Exhibit H

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

In the Matter of:

ELECTRONIC APPLICATION OF MYSO, LLC (MAYFIELD) FOR A CERTIFICATE OF CONSTRUCTION FOR AN APPROXIMATELY 200 MEGAWATT MERCHANT SOLAR ELECTRIC GENERATING FACILITY IN GRAVES COUNTY, KENTUCKY PURSUANT TO KRS 278.700 AND 807 KAR 5:110	)))))))	Case No. 2025-00395

SITE ASSESSMENT REPORT

MYSO, LLC (the "Applicant" or "Mayfield"), pursuant to KRS 278.708, files this Site Assessment Report (SAR) contemporaneously with its application requesting 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 alternating current (MW) merchant solar electric generating facility pursuant to KRS 278.704 (the "Project").

As part of the SAR, the Applicant submits herewith SAR Attachments A-F. The facts on which the SAR are based are contained in the concurrently filed SAR Attachments and other information and the statements further made by Mayfield as follows:

I. Description of Proposed Project Site

1. Pursuant to KRS 278.708(3)(a), the proposed Project is situated on approximately 2,051 acres of leased land located within the unincorporated areas of Graves County, Kentucky (SAR Attachment A). The Project footprint, generally the area within the fence line where the Project infrastructure will be located, is approximately 1,342 acres. The Project is located on agricultural land east of the community of Folsomdale. The Project is east of Kentucky State Route 45 with site access from Routes 849 and 408.

2. Pursuant to KRS 278.708(3)(a)(1), a detailed description of the surrounding land uses is identified in the Property Value Impact Study conducted by Kirkland Appraisals, LLC, and attached as SAR Attachment B. The adjoining land uses are summarized below.

	Acreage
Residential	10.72%
Agricultural	74.15%
Agri/Res	13.26%
Commercial	0.00%
Recreational	0.00%

3. Pursuant to KRS 278.708(3)(a)(2), SAR Attachment C contains the legal boundaries of the proposed site.

4. Pursuant to KRS 278.708(3)(a)(3), the proposed facility layout is included in SAR Attachment A. The layout shows the proposed access to the site. Access to array areas will be provided via access gates. A wildlife friendly fence with wooden posts and wire mesh will enclose the solar panels and associated infrastructure. A fence meeting National Electric Safety Code (NESC) requirement, typically a six-foot fence that includes three strings of barbed wire at the top, will enclose the Project's substation. The Project will comply with federal, state, and local regulations, as applicable, in determining safety signage locations around the facility.

5. Pursuant to KRS 278.708(3)(a)(4), the proposed locations of all Project infrastructure (buildings, roads, and other structures) are included in the Preliminary Site Layout in SAR Attachment A.

6. Pursuant to KRS 278.708(3)(a)(5), proposed access points and internal roads are shown in SAR Attachment A. No railways are located within the Project; a railway passes along the eastern side of the Project, but no impacts to railway traffic are anticipated due to the Project.

7. Pursuant to KRS 278.708(3)(a)(6), limited water and electric service may be required to provide for the operations and maintenance building. It is anticipated that water service will be obtained from Mayfield Electric & Water Systems, onsite wells, or trucked in from an offsite water purveyor, and that electric service will be obtained from Jackson Purchase Energy Cooperative.

8. Pursuant to KRS 278.708(3)(a)(7), Graves County, Kentucky has not enacted any zoning ordinances or setback requirements for the location of the Project and, therefore, no setbacks by such a planning commission exist that are applicable to the Project. Accordingly, the Project will not be required to follow setbacks established by KRS 278.704(3) because no local zoning is present.

9. There are several residential neighborhoods within two thousand (2,000) feet of the proposed structures or facilities of the Project and therefore a request for deviation from KRS 278.704(2) setbacks is forthcoming.

10. Pursuant to KRS 278.708(3)(a)(8), a noise assessment was completed for the Project and is included in SAR Attachment D. This assessment evaluated existing noise conditions in the area as well as proposed noise from construction and operation of the Project. Existing noise in the Project area consists of those typical for rural residential areas, such as various wildlife noises as well as some traffic noise. Construction and additional traffic noise will be periodically audible at offsite locations; however, that noise will be temporary and minimized to the extent practicable through implementation of best management practices and noise mitigation measures. Proposed

noise impacts for operation of the Project are expected to be minimal and will be under the U.S. EPA sound level criterion of 55 dBA L_{dn} at all noise sensitive receptors.

11. Because the Project site covers a large area, the noise levels experienced during construction at any Noise Sensitive Area ("NSA") will vary depending on what areas of the site are under construction. However, construction site noise is a temporary activity. Any temporary impacts will be minimized by construction phasing. These impacts are shown in SAR Attachment D, Appendix A, Table A-1. Average and peak impacts of construction noise at the Project boundary are also shown in SAR Attachment D, Table 2.

12. Noise during the operational phase of the Project will be as follows. During daylight hours, panel tracking will cause intermittent noise, with inverters also creating noise impacts. At night, all inverters are inactive, and noise is restricted to the substation. The noise produced by operation of the Project is expected to be negligible due to the distance between Project infrastructure and noise-sensitive receptors, and sound dampening from existing and planned vegetation. The impacts of noise during operation are shown in SAR Attachment D, Figure 1 and Appendix A, Table A-2.

II. Compatibility with Scenic Surroundings

13. Pursuant to KRS 278.708(3)(b), the Project has been designed to be compatible with the scenic surroundings. The current area around the site consists of agricultural and rural residential land.

14. A glare study was completed for the Project and is attached hereto as SAR Attachment E. Based on the results of the analysis, no glare is expected to impact surrounding residences as a result of this Project. It is likely that intervening topography and vegetation from the surrounding area will negate most, if not all, glare from local roads.

15. Vegetative screening is proposed in several locations to screen the Project from nearby residences. Final screening locations and composition are still in development and will be determined prior to construction.

16. The Project will utilize wildlife-friendly fencing around all panel areas. The Project will also utilize existing trees and habitat as much as possible to facilitate wildlife movement.

17. Vegetative ground cover on the site will be established. The Project will utilize native plants and seed mixes and will not plant invasive species listed as a threat by the Kentucky Exotic Pest Plant Council.

III. Property Value Impacts

18. Pursuant to KRS 278.708(3)(c), Kirkland Appraisals, LLC prepared a report detailing potential property value impacts to owners in relative proximity to the proposed facility, which is attached hereto as SAR Attachment B. The conclusion of the report, Section I on page 145, reads as follows:

> "Based on the data and analysis in this report, it is my professional opinion that the solar farm proposed at the subject property will have no negative impact on the value of adjoining or abutting property. I note that some of the positive implications of a solar farm that have been expressed by people living next to solar farms include protection from future development of residential developments or other more intrusive uses, reduced dust, odor and chemicals from former farming operations, protection from light pollution at night, it's quiet, and there is no traffic."

IV. Anticipated Noise Levels at Property Boundary

19. Pursuant to KRS 278.708(3)(d), noise will occur intermittently and temporarily during the construction phase of the Project due to increases in vehicular traffic, construction equipment, and assembly of solar facility components. See SAR Attachment D. Average and peak impacts of construction noise at the Project boundary are shown in SAR Attachment D, Table 2 and Appendix A, Table A-1. These will be temporary and minimized to the extent practicable through

implementation of best management practices and noise mitigation measures. Noise from construction equipment will vary depending on a variety of factors, including the number and class of equipment operating at a location at a given time. Received sound levels will also fluctuate, depending on the construction activity, equipment type, and distance between noise source and noise-sensitive receptors. For example, grading and earthmoving equipment, pile drivers, and other construction equipment typically produce sounds between 76 to 101 dBA at 50 feet. Sounds associated with this equipment will primarily occur during initial site preparation activities, such as grading, access road construction, and pile driving for rack support foundations. Installation of each rack support pile takes between 30 seconds to two minutes depending on soil conditions; this activity is anticipated to take approximately seven to nine months in total. The Project spans approximately 4.5 miles from north to south, which means that construction noise will not be isolated to any particular area for long periods of time.

20. During operation, the principal sources of noise are the cooling fans on the inverters and transformers, the electrical components of the inverter skids, and the main power transformer at the substation. The Project includes approximately 63 inverter skids and one substation transformer. Substations generate a sound generally described as a low hum. Modeling results show that noise levels resulting from Project operations will be under the U.S. EPA sound level criterion of 55 dBA for all sensitive receptors in the vicinity of the Project.

V. Effect on Road, Railways and Fugitive Dust

21. Pursuant to KRS 278.708(3)(e), a traffic impact study was completed for the Project and is included as SAR Attachment F. It evaluates the Project's impact on road and rail traffic, including anticipated fugitive dust and degradation of roads within vicinity of the facility.

22. The traffic study demonstrates that the Project will not produce long-term significant adverse traffic impacts during construction or operation. Any impacts to transportation will be temporary in nature as these will mostly occur during the construction phase of the Project. During the peak of construction, the Project is anticipated to generate approximately 566 vehicle trips on a typical weekday day with 242 vehicle trips occurring during the weekday morning and weekday evening commuter peak hours. There are multiple routes connecting the site to the regional roadway system, which would reduce impacts to any single roadway segment or intersection. Once construction is complete, post-construction operations and maintenance (O&M) activities at the site are not anticipated to result in a measurable increase in vehicle traffic. The Project will not utilize railways for construction or operational activities.

23. The Project will comply with the provisions of 401 KAR 63:010 applicable to controlling fugitive dust emissions. The Project will utilize Best Management Practices (BMPs), which may include activities such as vehicle cleaning stations, water trucks, and dust screens. During construction, water may be applied to the internal road system to reduce dust generation. Water used for dust control is authorized under the Kentucky Pollutant Discharge Elimination System (KPDES) as a non-stormwater discharge activity.

VI. Mitigation Measures

24. Pursuant to KRS 278.708(4), the Applicant has implemented or intends to implement the following mitigation measures for the Project:

25. Mayfield's generation facility will be compatible with the existing land uses in the area. Construction methods will be implemented to minimize potential impacts on noise, dust, and traffic. The Project's design will also incorporate avoidance and mitigation measures for sensitive resources such as wetlands and listed plant and animal species.

26. *Noise:* Construction noise mitigation measures may include keeping construction equipment well-maintained and routinely checking vehicles using internal combustion engines equipped with mufflers to ensure they are in good working order; locating noisy equipment as far from possible from sensitive areas; and implementing a noise complaint hotline with a local representative to address any noise-related issues. Potential noise from pile driving and other construction activities will be mitigated by construction phasing and limiting noise-causing activities to certain hours of the day and certain days of the week. Construction activities will be limited to the hours between 6:00 a.m. through 7:00 p.m. Monday-Saturday. Operational noise will be mitigated by the placement of noise making equipment in such a way as to avoid noise levels above 55 dBA at all existing sensitive receptors.

27. *Wildlife and Natural Habitat*: The Project has been designed to avoid impacts on wildlife by allowing for animal migration through the site by using wildlife friendly fencing.

28. *Wetlands and Streams*: The Project has been designed to avoid impacts to wetlands and waters to the greatest extent practicable. If any impacts are identified in the future, these will be minimized to the extent practicable, and the appropriate Clean Water Act (CWA) Section 404/401 permit will be obtained from the U.S. Army Corps of Engineers (USACE) and the Kentucky Energy & Environment Cabinet — Department for Environmental Protection, Division of Water (KDOW).

29. *Viewscape*: The Project will limit visibility from existing residences through setbacks from existing residences, retention of existing vegetation as well as additional screening that will be implemented in key locations.

30. *Setbacks*: No Project infrastructure will be located within two thousand (2,000) feet of any recreational resources, schools, hospitals, or nursing homes. There are neighborhoods within two

thousand (2,000) feet of Project infrastructure; therefore, a deviation from statutory setbacks will be filed for these.

31. *Stormwater*: The Project will comply with all applicable requirements for management of erosion, sedimentation, and stormwater runoff. The Project will develop and submit a Stormwater Pollution Prevention Plan (SWPPP) and Notice of Intent for coverage by the Kentucky Stormwater Construction Permit KYR10 to the Kentucky Energy & Environment Cabinet — Department for Environmental Protection, Division of Water. The SWPPP will be prepared by a qualified engineer and will include an Erosion and Sediment Control Plan (ESC). The combination of these plans will help reduce potential impacts related to erosion and surface water quality during construction. BMPs may include dewatering procedures, stormwater runoff control measures, stormwater detention, construction of silt fencing, vegetated covers and buffers strips, weep berms, and other innovative natural infrastructure approaches. The Project recognizes the importance of erosion, sedimentation and stormwater control in addition to the unique site conditions in the area, and will endeavor to implement new or other BMPs if found better suited for the region and proven to be environmentally and economically feasible, and will share learnings to advance science and best practices in the region.

Dated this 28th day of January 2026.

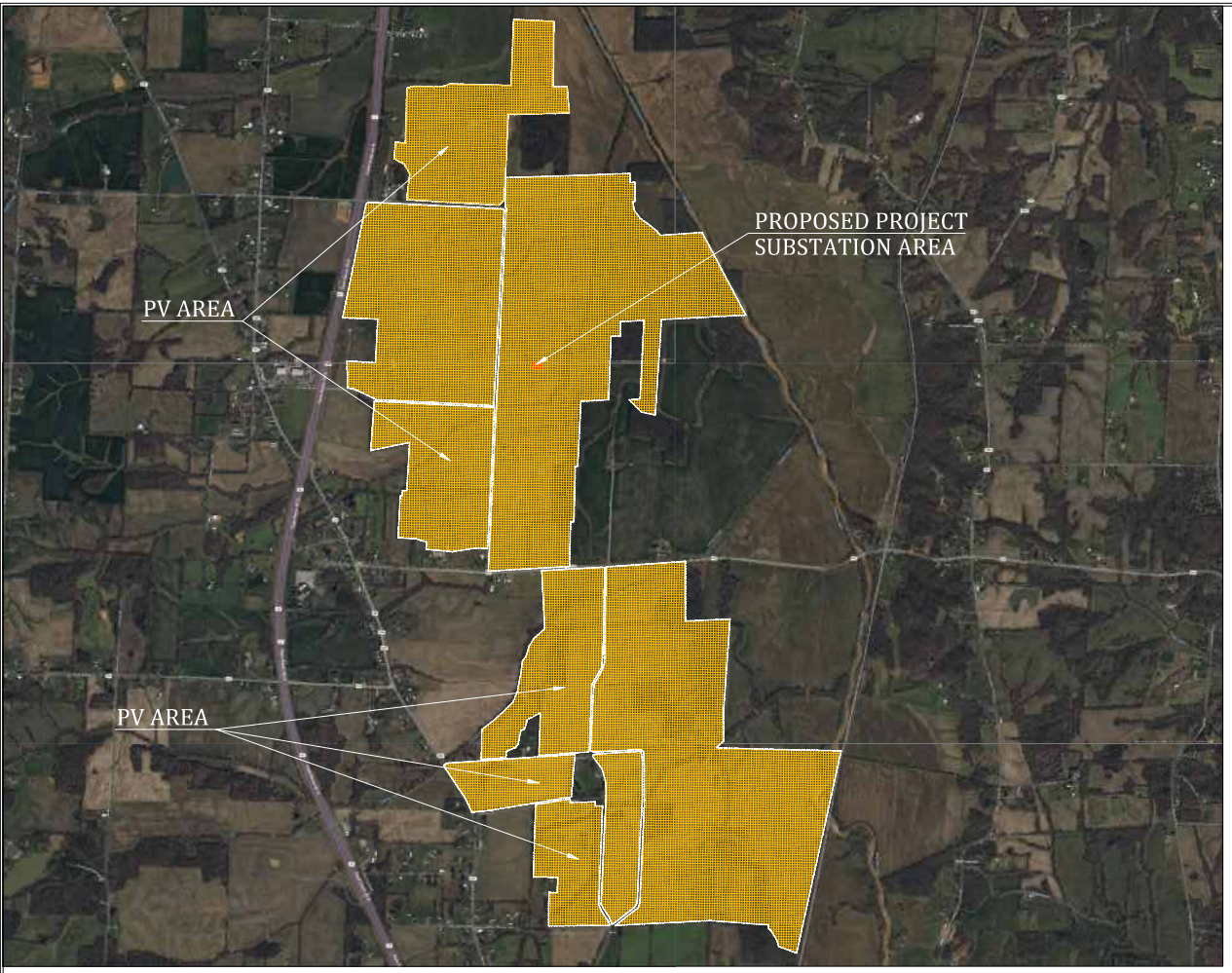
Respectfully submitted,

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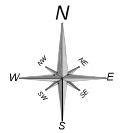
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Counsel for MYSO, LLC

SAR Attachment A



PROJECT DETAILS-PV	
Site latitude	36°53'55.85"N
Site longitude	88°39'42.45"W
PV DC capacity (Max)	325.885MWp
PV AC capacity at POI	200 MWac
DC AC ratio at POI	1.629
Evacuation voltage	161 kV
Module make & wattage	625Wp
Module type	Bifacial
Module quantity	521416
Module per string	28
Total strings	18622
PV Inverter make & rating	4.4MWac
PV Inverter Type	Central
PV Inverter quantity	63
Racking type	Tracker
Pitch	19'-1"
Tracker Quantity_4 String	2541
Tracker Quantity_3 String	1755
Tracker Quantity_2 String	1411
Tracker Quantity_1 String	371
Ground coverage ratio	41%
Fenced area (Buildable + Constraints)	1342 Acres
Site fence length	161278'
Percentage of trackers affected by FEMA floodplain	~34%
Tree Trimming Area	~81 Acres

NOT FOR CONSTRUCTION



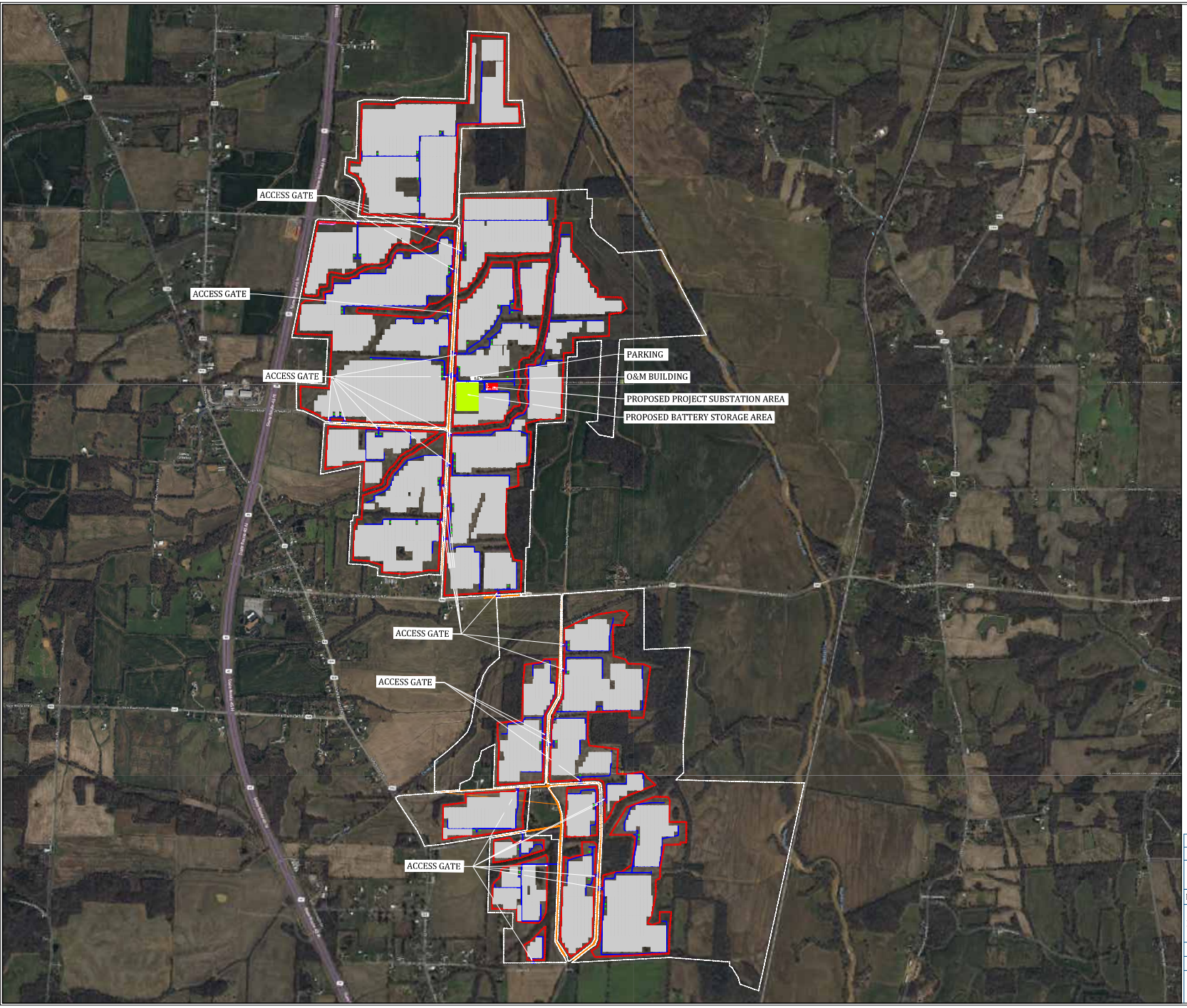
KEY PLAN

GENERAL NOTES:

- ALL DIMENSIONS ARE IN FEET
- COORDINATE SYSTEM: NSRS 2011 KENTUCKY STATE PLANES, SOUTH ZONE, US FOOT
- DITCH AREAS ARE CONSIDERED NON-BUILDABLE
- TIMBER CLEARING NOT CONSIDERED DUE TO BAT HABITAT AREA
- TREE TRIMMING CONSIDERED
- TREE SHADING SETBACK (22'-4") CONSIDERED FOR TREE HEIGHT (10')
- FEMA FLOOD AREA CONSIDERED FOR TRACKER PLACEMENT
- SCOUR DEPTH & INUNDATION DEPTH > 1.5' CONSIDERED AS CONSTRAINTS & TRACKER PLACEMENT AVOIDED
- PLANT INTERNAL ROAD WIDTH 16' & SUBSTATION ACCESS ROAD WIDTH 20' & BASIN ACCESS ROAD WIDTH 10'
- PONDS, NATURAL DRAINS & DITCHES AREA CONSIDERED FOR TRACKER PLACEMENT
- PV AREA TO BE GENERALLY USED AS TEMPORARY LAYDOWN AREAS THROUGHOUT THE PROJECT BOUNDARY.

DATE	REV.	REVISION HISTORY	DRN. BY	CKD. BY	APPD. BY
2026-01-28	00	FIRST ISSUE	SP	MA	KP
BRIGHTNIGHT		BrightNight Power			
PROJECT NAME		MAYFIELD SOLAR			
DRAWING TITLE		KEY PLAN & PROJECT DETAILS			
SCALE	PURPOSE CODE	SHEET SIZE	REV.	SHEET	
NTS	ISSUE FOR PERMIT	36" x 24"	00	1 OF 2	

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NOT FOR CONSTRUCTION

N

W E

S

0' 900' 1800' 3600'

SCALE: 1"=900'

LEGEND:-	
SYMBOL	DESCRIPTION
	SITE BOUNDARY
	SITE FENCE
	SETBACK LINE FROM FENCE
	TRACKER
	INVERTER SKID
	ACCESS ROAD
	COUNTY ROAD
	RIGHT OF WAY (EXISTING OHL)
	ACCESS GATE

DATE	REV.	REVISION HISTORY	DRN. BY	CKD. BY	APPD. BY
2026-01-28	00	FIRST ISSUE	SP	MA	KP

BRIGHTNIGHT

BrightNight Power

PROJECT NAME	MAYFIELD SOLAR
DRAWING TITLE	PLANT LAYOUT (PVS)

SCALE	PURPOSE CODE	SHEET SIZE	REV.	SHEET
1" = 900'	ISSUE FOR PERMIT	36" x 24"	00	2 OF 2

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SAR Attachment B

Kirkland Appraisals, LLC

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Raleigh, North Carolina 27603
Phone (919) 414-8142
rkirkland2@gmail.com
www.kirklandappraisals.com

January 21, 2026

Ms. Jacqui Kitchen
BrightNight
515 N Flagler Drive, Suite P200
West Palm Beach, FL 33401

RE: Mayfield (MYSO) Solar, Graves County, KY

Ms. Kitchen

At your request, I have considered the impact of a 200 MW solar farm proposed to be constructed on a 1,342-acre fenced portion of land located in Graves County, Kentucky. Specifically, I have been asked to give my professional opinion on whether the proposed solar farm will have any impact on adjoining property value and whether "the location and character of the use, if developed according to the plan as submitted and approved, will be in harmony with the area in which it is to be located."

To form an opinion on these issues, I have researched and visited existing and proposed solar farms in Kentucky as well as other states, researched articles through the Appraisal Institute and other studies, and discussed the likely impact with other real estate professionals. I have not been asked to assign any value to any specific property.

This letter is a limited report of a real property appraisal consulting assignment. My client is BrightNight, represented to me by Jacqui Kitchen. My findings support the Kentucky Siting Board Application. The effective date of this consultation is January 16, 2026.

Conclusion

The adjoining properties are well set back from the proposed solar panels with supplemental landscaping as needed to provide a landscaped buffer.

The sale/resale analysis and 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 criteria that typically correlates with downward adjustments on property values such as noise, odor, and traffic all indicate that a solar farm is a compatible use for rural/residential transition areas and that it would function in a harmonious manner with this area.

Data from the university studies, broker commentary, and other appraisal studies support a finding of no impact on property value adjoining a solar farm with proper setbacks and landscaped buffers.

Very similar solar farms in very similar areas have been found by hundreds of towns and counties not to have a negative effect to abutting or adjoining properties. Many of those findings of no impact have been upheld by NC appellate and superior courts such as:

Dellinger V Lincoln County 789 S.E.2d 21 on July 18, 2016

Ecoplexus V Currituck County COA17-656 on December 19, 2017

Innovative 55 V Robeson County COA16-1101 on June 6, 2017

Based on the data and analysis in this report, it is my professional opinion that the solar farm proposed at the subject property will have no impact on the value of adjoining or abutting properties and that the proposed use is in harmony with the area in which it is located.

The data that I have researched includes new home construction as well as new subdivision developments adjoining solar project which speaks to a finding of no impact on adjoining uses and development potential.

I note that some of the positive implications of a solar farm that have been expressed by people living next to solar farms include protection from future development of residential developments or other more intrusive uses, reduced dust, odor and chemicals from former farming operations, protection from light pollution at night, it is quiet, and there is minimal traffic.

If you have any questions please contact me.

Sincerely,



Richard C. Kirkland, Jr., MAI, ARA
NC Certified General Appraiser A4359
KY Certified General Appraiser #5522

Executive Summary

University Studies:

Studies Cited:	0
Range of Impacts:	-7.90 to +19.40%
Average Range of Impacts:	-3.21% to -0.17%

Assessor Surveys:

Assessors:	188
No Impact Responses:	170
Yes Impact Responses:	0
No Response:	18

Sale/Re-Sale Analysis (Kentucky and Adjoining States)

Sales Analyzed:	16
Range of Impacts:	-5% to +15%
Median:	+2%

Matched Pair/Paired Sale Analysis (Kentucky and Adjoining States)

Sales Analyzed:	47
Range of Impacts:	-7% to +12%
Median:	0%

Broker Comments (Kentucky and Adjoining States)

Brokers Interviewed:	14
No Impact Responses:	14
Yes Impact Responses:	0

Conclusion:

Data Points Considered:	256
Range of Impacts:	-7% to +19%
Conclusion:	0%

Comments:

The data researched consistently shows impacts that hover in the +/-5% impact range, which is consistent with typical market imperfection.

The responses from all of the assessors and all of the brokers interviewed in this analysis shows no impact on property value. The assessors interviewed confirmed in all cases that they do in fact have utility scale solar in their jurisdiction and that they have valued the sites of the solar projects as well. The brokers interviewed all sold specific homes adjoining solar projects and their comments are specific to that one sale.

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I. Proposed Project and Adjoining Uses

Proposed Use Description

This 200 MW solar farm proposed to be constructed on a 1,342-acre portion of land located off E. Baldree Road, near Folsomdale, Graves County, Kentucky.

Adjoining Properties

I have considered adjoining uses and included a map to identify each parcel's location. Based on the current site plan the closest adjoining home will be 300 feet from the closest solar panel and the average distance to adjoining homes will be 570 feet to the nearest solar panel.

Adjoining land is primarily a mix of residential and agricultural uses, which is very typical of solar farm sites.

The breakdown of those uses by acreage and number of parcels is summarized below.

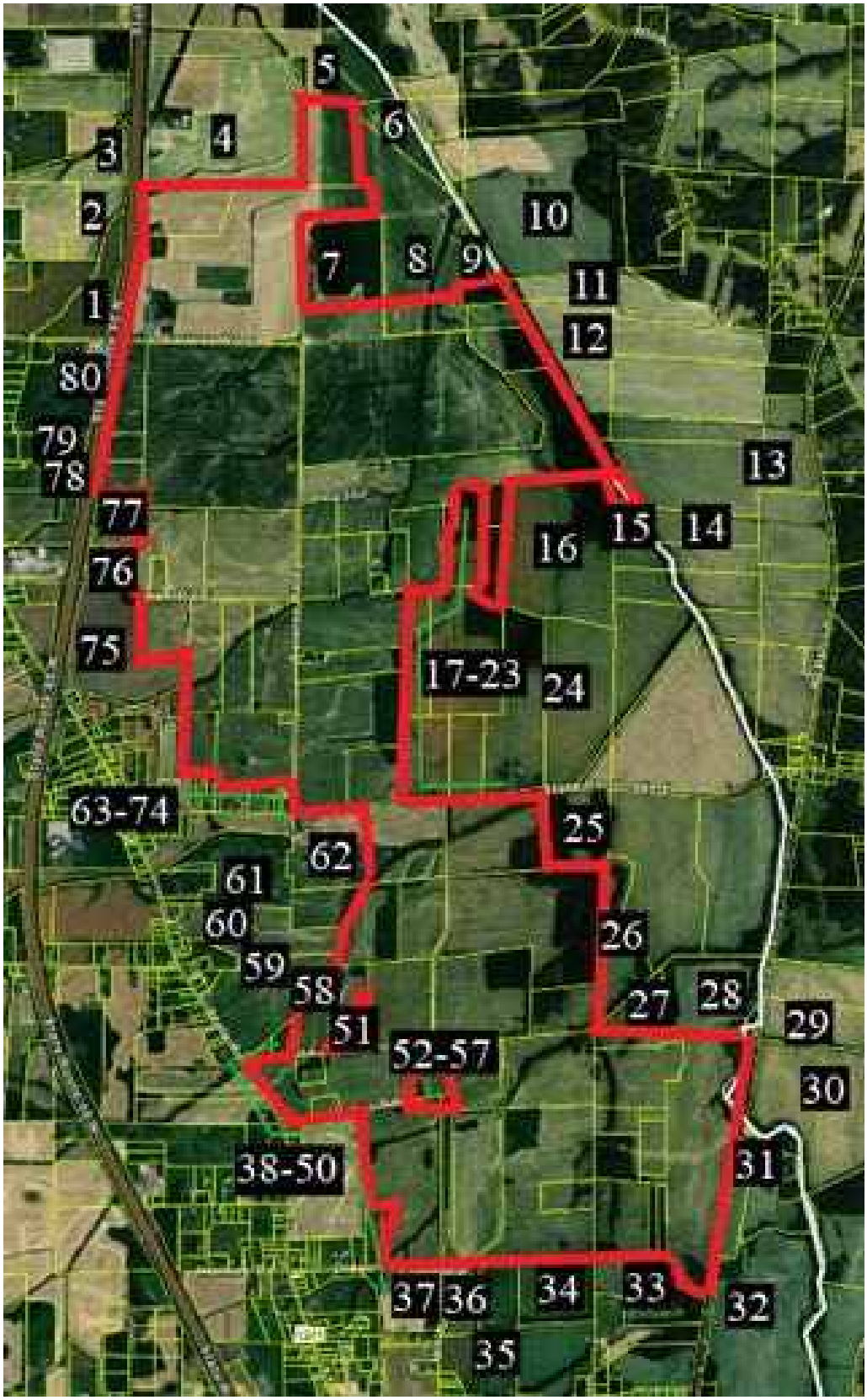
Adjoining Use Breakdown

	Acreage	**Parcels**
Residential	10.72%	50.00%
Agricultural	74.15%	42.50%
Industrial	1.87%	1.25%
Agri/Res	13.26%	6.25%
Total	**100.00%**	**100.00%**

Aerial Image from Google Earth



Aerial Image from GIS



Surrounding Uses

#	MAP ID	Owner	GIS Data Acres	Present Use	Adjoin Acres	Adjoin Parcels	Distance (ft) Home/Panel	L.F Adjacent
1	066.00.00.082.00	Unknown	28.59	Agricultural	1.18%	1.25%	N/A	1755
2	066.00.00.083.00	Unknown	21.18	Agricultural	0.88%	1.25%	N/A	445
3	066.00.00.085.00	George	23.65	Agricultural	0.98%	1.25%	N/A	1
4	066.00.00.087.00	George	136.00	Agri/Res	5.63%	1.25%	1,460	4245
5	066.00.00.089.00	Unknown	42.00	Agricultural	1.74%	1.25%	N/A	935
6	083.00.00.082.00	Unknown	22.05	Agricultural	0.91%	1.25%	N/A	220
7	083.00.00.073.01	Wilson	45.05	Agricultural	1.87%	1.25%	N/A	4085
8	083.00.00.078.00	Wilson	81.46	Agricultural	3.37%	1.25%	N/A	2750
9	083.00.00.079.00	Wilson	11.19	Residential	0.46%	1.25%	N/A	720
10	083.00.00.030.00	Shappard	171.00	Agricultural	7.08%	1.25%	N/A	1
11	083.00.00.034.01	No Data	38.64	Agricultural	1.60%	1.25%	N/A	845
12	083.00.00.047.00	No Data	52.56	Agricultural	2.18%	1.25%	N/A	2725
13	083.00.00.049.00	Thurston	100.00	Agricultural	4.14%	1.25%	N/A	1315
14	083.00.00.051.00	No Data	24.56	Agricultural	1.02%	1.25%	N/A	1
15	083.00.00.069.00	Purchase	7.65	Residential	0.32%	1.25%	N/A	375
16	083.00.00.068.00	Davenport	103.00	Agricultural	4.27%	1.25%	N/A	4455
17	084.00.00.099.00	Davenport	61.55	Agri/Res	2.55%	1.25%	760	1090
18	083.00.00.059.00	Davenport	60.91	Agri/Res	2.52%	1.25%	1,165	930
19	083.00.00.065.00	Davenport	24.70	Agricultural	1.02%	1.25%	N/A	3860
20	083.00.00.066.00	Unknown	1.87	Residential	0.08%	1.25%	N/A	585
21	083.00.00.066.00	Davenport	21.18	Agricultural	0.88%	1.25%	N/A	2580
22	083.00.00.066.00	Davenport	28.34	Agricultural	1.17%	1.25%	N/A	2410
23	084.00.00.098.00	Davenport	19.09	Residential	0.79%	1.25%	N/A	560
24	084.00.00.100.00	Davenport	70.14	Agricultural	2.91%	1.25%	N/A	50
25	084.00.00.059.00	Davenport	31.45	Agricultural	1.30%	1.25%	N/A	2305
26	084.00.00.062.01	Wilson	32.25	Agricultural	1.34%	1.25%	N/A	2705
27	084.00.00.007.02	Wilson	16.87	Residential	0.70%	1.25%	N/A	1585
28	084.00.00.007.01	Wilson	47.40	Agricultural	1.96%	1.25%	N/A	1420
29	084.00.00.014.00	Davenport	58.52	Agricultural	2.42%	1.25%	N/A	3715
30	084.00.00.013.00	Ray	141.00	Agricultural	5.84%	1.25%	N/A	1460
31	084.00.00.001.00	Unknown	17.71	Residential	0.73%	1.25%	N/A	2355
32	085.00.00.153.00	Randall	121.00	Agricultural	5.01%	1.25%	N/A	620
33	085.00.00.146.00	Mathis	39.38	Agricultural	1.63%	1.25%	N/A	2795
34	085.00.00.145.01	Rodgers	34.56	Agricultural	1.43%	1.25%	N/A	1290
35	085.00.00.090.00	Rodgers	51.53	Agricultural	2.13%	1.25%	N/A	675
36	085.00.00.091.00	Higgins	11.90	Residential	0.49%	1.25%	300	250
37	085.00.00.092.01	Boyd	26.05	Agricultural	1.08%	1.25%	N/A	1235
38	085.00.00.092.00	Dawson	7.31	Residential	0.30%	1.25%	740	85
39	084.00.00.070.01	Jerry	0.35	Residential	0.01%	1.25%	550	130
40	084.00.00.070.00	Gerald	10.03	Residential	0.42%	1.25%	465	1670
41	084.00.00.071.00	Byerley	56.55	Agricultural	2.34%	1.25%	N/A	2730
42	084.00.00.086.00	Greg	1.11	Residential	0.05%	1.25%	335	285

Surrounding Uses

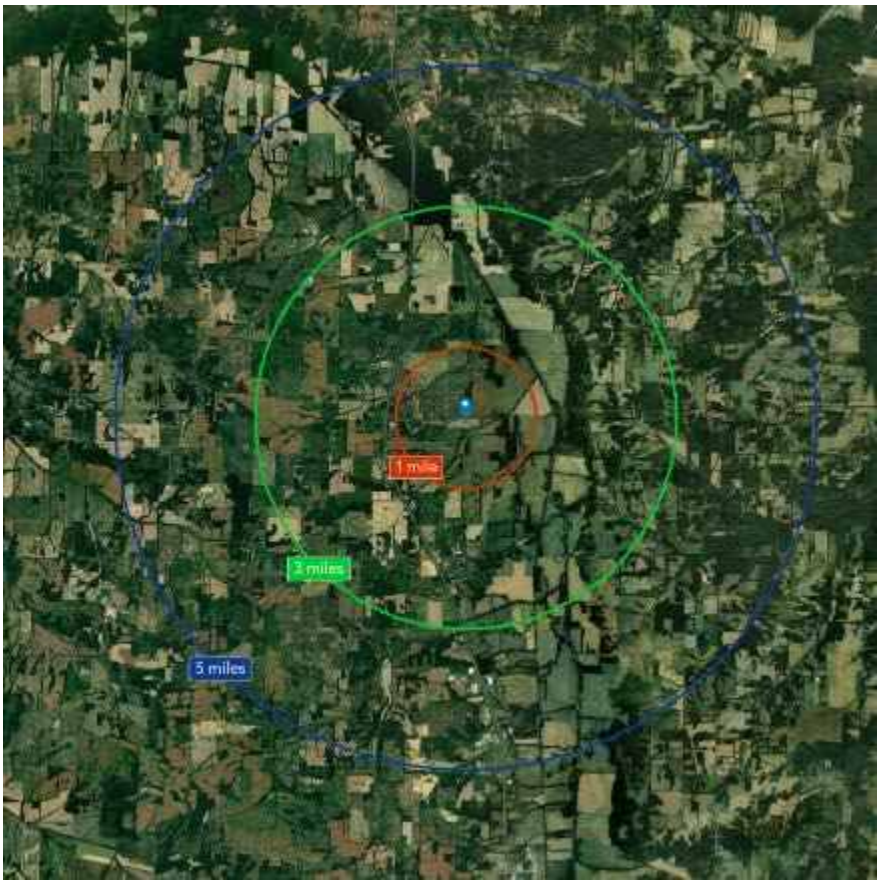
#	MAP ID	Owner	GIS Data Acres	Present Use	Adjoin Acres	Adjoin Parcels	Distance (ft) Home/Panel	L.F Adjacent
43	068.00.00.151.00	Strickland	5.92	Residential	0.25%	1.25%	780	1
44	067.00.00.075.00	Bylery	22.88	Agri/Res	0.95%	1.25%	605	500
45	067.00.00.075.00	No Data	8.61	Residential	0.36%	1.25%	N/A	200
46	067.00.00.073.00	No Data	19.14	Residential	0.79%	1.25%	N/A	510
47	067.00.00.072.00	No Data	3.37	Residential	0.14%	1.25%	1,425	1
48	067.00.00.078.00	No Data	38.40	Agricultural	1.59%	1.25%	N/A	75
49	067.00.00.076.00	Gibbs	1.72	Residential	0.07%	1.25%	870	405
50	067.00.00.077.00	Wilbourn	4.34	Residential	0.18%	1.25%	610	1030
51	084.00.00.091.00	Chapman	9.29	Residential	0.38%	1.25%	330	3050
52	084.00.00.067.00	Stephenson	8.82	Residential	0.37%	1.25%	315	1325
53	084.00.00.067.01	Shields	1.69	Residential	0.07%	1.25%	480	495
54	084.00.00.066.00	Dixon	1.00	Residential	0.04%	1.25%	340	330
55	084.00.00.067.00	Stephenson	1.54	Residential	0.06%	1.25%	N/A	85
56	084.00.00.067.02	Purchase	1.04	Residential	0.04%	1.25%	N/A	610
57	084.00.00.068.00	Purchase	0.99	Residential	0.04%	1.25%	N/A	425
58	084.00.00.090.01	Thurston	8.59	Residential	0.36%	1.25%	N/A	1165
59	067.00.00.082.00	No Data	9.15	Residential	0.38%	1.25%	N/A	215
60	067.00.00.086.01	Thurston	43.18	Agricultural	1.79%	1.25%	N/A	440
61	067.00.00.088.03	Thurston	63.81	Agricultural	2.64%	1.25%	N/A	890
62	084.00.00.094.00	Thurston	38.72	Agri/Res	1.60%	1.25%	435	2495
63	067.00.00.089.00	Thurston	20.79	Agricultural	0.86%	1.25%	N/A	1
64	067.00.00.092.00	Hendon	1.57	Residential	0.07%	1.25%	330	270
65	067.00.00.093.00	Hendon	0.83	Residential	0.03%	1.25%	340	145
66	067.00.00.094.00	Hendon	0.61	Residential	0.03%	1.25%	310	365
67	067.00.00.095.00	No Data	4.38	Residential	0.18%	1.25%	N/A	535
68	067.01.00.023.00	No Data	3.91	Residential	0.16%	1.25%	365	455
69	067.01.00.024.00	Rodgers	1.15	Residential	0.05%	1.25%	400	110
70	067.01.00.026.00	No Data	1.06	Residential	0.04%	1.25%	N/A	160
71	067.01.00.027.00	No Data	0.75	Residential	0.03%	1.25%	N/A	90
72	067.01.00.029.00	No Data	0.68	Residential	0.03%	1.25%	N/A	75
73	067.01.00.028.00	Thurston	12.34	Residential	0.51%	1.25%	N/A	1260
74	067.01.00.033.00	Gutierrez	17.34	Residential	0.72%	1.25%	860	695
75	067.00.00.110.01	Allen	65.37	Agricultural	2.71%	1.25%	N/A	2615
76	067.00.00.106.00	Purchase	2.75	Residential	0.11%	1.25%	N/A	670
77	067.00.00.107.00	Purchase	21.00	Agricultural	0.87%	1.25%	N/A	260
78	066.00.00.077.00	Unknown	6.87	Residential	0.28%	1.25%	N/A	515
79	066.00.00.074.02	Crawford	14.35	Residential	0.59%	1.25%	N/A	455
80	066.00.00.078.00	Rives	45.17	Industrial	1.87%	1.25%	N/A	1585
		Total	**2414.450**		**100.00%**	**100.00%**	570	

The chart above shows the adjoining parcels. In that chart, N/A indicates that there is no adjoining home to which to measure. Linear feet of adjacency listed in red means that the property is across a right of way from the subject property. Linear feet of adjacency of 1 foot is assigned where properties meet at a corner.

II. Demographics

I have pulled the following demographics for a 1-mile, 3-mile and 5-mile radius around the proposed solar farm project.

All three rings show declining population for the coming years.



Housing Profile

1550-1570 State Route 849 E
1550-1570 State Route 849 E, Boaz, Kentucky, 42027
Ring: 1 mile radius

Prepared by Esri
Latitude: 36.88429
Longitude: -88.65950

Population		Households	
2020 Total Population	194	2025 Median Household Income	$76,404
2025 Total Population	192	2030 Median Household Income	$79,921
2030 Total Population	190	2025-2030 Annual Rate	0.90%
2025-2030 Annual Rate	-0.21%		

	Census 2020		2025		2030	
Housing Units by Occupancy Status and Tenure	Number	Percent	Number	Percent	Number	Percent
Total Housing Units	85	100.0%	84	100.0%	84	100.0%
Occupied	80	94.1%	79	94.0%	79	94.0%
Owner	61	71.8%	62	73.8%	62	73.8%
Renter	19	22.4%	17	20.2%	17	20.2%
Vacant	7	8.2%	5	6.0%	5	6.0%

	2025		2030	
Owner Occupied Housing Units by Value	Number	Percent	Number	Percent
Total	62	100.0%	60	100.0%
<$50,000	5	8.1%	3	5.0%
$50,000-$99,999	12	19.4%	5	8.3%
$100,000-$149,999	14	22.6%	8	13.3%
$150,000-$199,999	6	9.7%	5	8.3%
$200,000-$249,999	16	25.8%	20	33.3%
$250,000-$299,999	1	1.6%	1	1.7%
$300,000-$399,999	2	3.2%	4	6.7%
$400,000-$499,999	0	0.0%	0	0.0%
$500,000-$749,999	6	9.7%	14	23.3%
$750,000-$999,999	0	0.0%	0	0.0%
$1,000,000-$1,499,999	0	0.0%	0	0.0%
$1,500,000-$1,999,999	0	0.0%	0	0.0%
$2,000,000+	0	0.0%	0	0.0%
Median Value	$152,500		$218,750	
Average Value	$195,492		$275,675	

Housing Profile

1550-1570 State Route 849 E
1550-1570 State Route 849 E, Boaz, Kentucky, 42027
Ring: 3 mile radius

Prepared by Esri
Latitude: 36.88429
Longitude: -88.65950

Population		Households	
2020 Total Population	1,665	2025 Median Household Income	$64,615
2025 Total Population	1,614	2030 Median Household Income	$73,073
2030 Total Population	1,599	2025-2030 Annual Rate	2.49%
2025-2030 Annual Rate	-0.19%		

	Census 2020		2025		2030	
Housing Units by Occupancy Status and Tenure	Number	Percent	Number	Percent	Number	Percent
Total Housing Units	761	100.0%	753	100.0%	753	100.0%
Occupied	714	93.8%	697	92.6%	693	92.0%
Owner	562	73.9%	559	74.2%	559	74.2%
Renter	152	20.0%	138	18.3%	134	17.8%
Vacant	70	9.2%	56	7.4%	60	8.0%

	2025		2030	
Owner Occupied Housing Units by Value	Number	Percent	Number	Percent
Total	560	100.0%	560	100.0%
<$50,000	46	8.2%	34	6.1%
$50,000-$99,999	100	17.9%	60	10.7%
$100,000-$149,999	100	17.9%	64	11.4%
$150,000-$199,999	62	11.1%	54	9.6%
$200,000-$249,999	113	20.2%	135	24.1%
$250,000-$299,999	32	5.7%	34	6.1%
$300,000-$399,999	26	4.6%	42	7.5%
$400,000-$499,999	40	7.1%	47	8.4%
$500,000-$749,999	40	7.1%	88	15.7%
$750,000-$999,999	1	0.2%	2	0.4%
$1,000,000-$1,499,999	0	0.0%	0	0.0%
$1,500,000-$1,999,999	0	0.0%	0	0.0%
$2,000,000+	0	0.0%	0	0.0%
Median Value	$167,092		$225,185	
Average Value	$210,740		$276,045	

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Housing Profile

1550-1570 State Route 849 E
1550-1570 State Route 849 E, Boaz, Kentucky, 42027
Ring: 5 mile radius

Prepared by Esri
Latitude: 36.88429
Longitude: -88.65950

Population		Households	
2020 Total Population	4,049	2025 Median Household Income	$61,020
2025 Total Population	3,957	2030 Median Household Income	$67,602
2030 Total Population	3,937	2025-2030 Annual Rate	2.07%
2025-2030 Annual Rate	-0.10%		

	Census 2020		2025		2030	
Housing Units by Occupancy Status and Tenure	Number	Percent	Number	Percent	Number	Percent
Total Housing Units	1,753	100.0%	1,747	100.0%	1,747	100.0%
Occupied	1,582	90.2%	1,575	90.2%	1,570	89.9%
Owner	1,268	72.3%	1,286	73.6%	1,288	73.7%
Renter	314	17.9%	289	16.5%	282	16.1%
Vacant	173	9.9%	172	9.8%	177	10.1%

	2025		2030	
Owner Occupied Housing Units by Value	Number	Percent	Number	Percent
Total	1,285	100.0%	1,290	100.0%
<$50,000	115	8.9%	84	6.5%
$50,000-$99,999	195	15.2%	121	9.4%
$100,000-$149,999	203	15.8%	134	10.4%
$150,000-$199,999	180	14.0%	154	11.9%
$200,000-$249,999	220	17.1%	255	19.8%
$250,000-$299,999	103	8.0%	116	9.0%
$300,000-$399,999	76	5.9%	110	8.5%
$400,000-$499,999	100	7.8%	127	9.8%
$500,000-$749,999	81	6.3%	158	12.2%
$750,000-$999,999	3	0.2%	9	0.7%
$1,000,000-$1,499,999	9	0.7%	21	1.6%
$1,500,000-$1,999,999	0	0.0%	1	0.1%
$2,000,000+	0	0.0%	0	0.0%
Median Value	$177,500		$229,706	
Average Value	$222,851		$288,925	

III. Methodology and Discussion of Issues

Standards and Methodology

I conducted this analysis using the standards and practices established by the Appraisal Institute and that conform to the Uniform Standards of Professional Appraisal Practice. The analyses and methodologies contained in this report are accepted by all major lending institutions, and they are used in Kentucky and across the country as the industry standard by certified appraisers conducting appraisals, market analyses, or impact studies and are considered adequate to form an opinion of the impact of a land use on neighboring properties. These standards and practices have also been accepted by the courts at the trial and appellate levels and by federal courts throughout the country as adequate to reach conclusions about the likely impact a use will have on adjoining or abutting properties.

The aforementioned standards compare property uses in the same market and generally within the same calendar year so that fluctuating markets do not alter study results. Although these standards do not require a linear study that examines adjoining property values before and after a new use (e.g. a solar farm) is developed, some of these studies do in fact employ this type of analysis. Comparative studies, as used in this report, are considered an industry standard.

The first type of analysis employed is a Sale/Resale Analysis. This methodology is outlined in **Real Estate Damages**, Third Edition, Pages 35-36 by Randall Bell PhD, MAI and published by the Appraisal Institute. This is a type of Paired Sales Analysis (see next paragraph) that compares the sale of the same property Before and After a change in the market to see if there is any impact on the property value due to that change. In this analysis I have used the Federal Housing Finance Agency Home Price Index to identify typical appreciation in the property market and compared that to the change in value on a home Before a solar farm was announced and After the solar farm was built. No other adjustments were required as I have attempted to focus on homes without renovations and with typical upkeep during the intervening period.

The second type of analysis employed is a Matched Pair Analysis or Paired Sales Analysis. This methodology is outlined in **The Appraisal of Real Estate**, Twelfth Edition by the Appraisal Institute pages 438-439. It is further detailed in **Real Estate Damages**, Third Edition, pages 33-35 by Randall Bell PhD, MAI. Paired sales analysis is used to support adjustments in appraisal work for factors ranging from the impact of having a garage, golf course view, or additional bedrooms. It is an appropriate methodology for addressing the question of impact of an adjoining solar farm. The paired sales analysis is based on the theory that when two properties are in all other respects equivalent, a single difference can be measured to indicate the difference in price between them. Dr. Bell describes it as comparing a test area to control areas. In the example provided by Dr. Bell he shows five paired sales in the test area compared to 1 to 3 sales in the control areas to determine a difference. I have used 3 sales in the control areas in my analysis for each sale developed into a matched pair.

Determining what is an External Obsolescence

An external obsolescence is a use of property that, because of its characteristics, might have a negative impact on the value of adjacent or nearby properties because of identifiable impacts. Determining whether a use would be considered an external obsolescence requires a study that isolates that use, eliminates any other causing factors, and then studies the sales of nearby versus distant comparable properties. The presence of one or a combination of key factors does not mean the use will be an external obsolescence, but a combination of these factors tend to be present when market data reflects that a use is an external obsolescence.

External obsolescence is evaluated by appraisers based on several factors. These factors include but are not limited to:

1) Traffic. Solar Farms are not traffic generators.

2) Odor. Solar farms do not produce odor.

3) Noise. Solar farms generate no noise concerns. A wide range of noise studies that have been completed have found them consistent with agricultural and residential areas.

4) Environmental. Solar farms do not produce toxic or hazardous waste. Grass is maintained underneath the panels so there is minimal impervious surface area.

5) Appearance/Viewshed. This is the one area that potentially applies to solar farms. However, solar farms are generally required to provide significant setbacks and landscaping buffers to address that concern. Furthermore, any consideration of appearance of viewshed impacts has to be considered in comparison with currently allowed uses on that site. For example if a residential subdivision is already an allowed use, the question becomes in what way does the appearance impact adjoining property owners above and beyond the appearance of that allowed subdivision or other similar allowed uses.

6) Other factors. I have observed and studied many solar farms and have never observed any characteristic about such facilities that prevents or impedes neighbors from fully using their homes or farms or businesses for the use intended.

Market Imperfection

Throughout this analysis, I have specifically considered the influence of market imperfection on data analysis. Market imperfection is the term that refers to the fact that unlike a can of soup at the supermarket or in your online shopping cart, real estate cannot be comparison shopped for the best price and purchased at the best price for that same identical product. Real estate products are always similar and never identical. Even two adjacent lots that are identical in almost every way, have a slight difference in location. Once those lots are developed with homes, the number of differences begin to multiply, whether it is size of the home, landscaping, layout, age of interior upfit, quality of interior upfit, quality of maintenance and so on.

Neoclassical economics indicates a perfectly competitive market as having the following: A large number of buyers and sellers (no one person dominates the market), no barriers or transaction costs, homogeneous product, and perfect information about the product and pricing. Real estate is clearly not homogeneous. The number of buyers and sellers for a particular product in a particular location is limited by geography, financing, and the limited time period within a property is listed. There are significant barriers that limit the liquidity in terms of time, costs and financing. Finally, information on real estate is often incomplete or partial – especially at the time that offers are made and prices set, which is prior to appraisals and home inspections. So real estate is very imperfect based on this definition and the impact of this are readily apparent in the real estate market.

What appear to be near-identical homes that are in the same subdivision will often sell with slight variations in price. When multiple appraisers approach the same property, there is often a slight variation among all of those conclusions of value, due to differences in comparables used or analysis of those comparables. This is common and happens all of the time. In fact, within each appraisal, after making adjustments to the comparables, the appraiser will typically have a range of values that are supported that often vary more than +/-5% from the median or average adjusted value.

Based on this understanding of market imperfection, it is important to note that very minor differences in value within an impact study do not necessarily indicate either a negative or positive impact. When the impacts measured fall within that +/-5%, I consider this to be within typical

market variation/imperfection. Therefore it may be that there is a negative or positive impact identified if the impact is within that range, but given that it is indistinguishable from what amounts to the background noise or static within the real estate data, I do not consider indications of +/-5% to support a finding of a negative or positive impact.

Impacts greater than that range are however, considered to be strong indications of impacts that fall outside of typical market imperfection. I have used this as a guideline while considering the impacts identified within this report.

Relative Solar Farm Sizes

Solar farms have been increasing in size in recent years. Much of the data collected is from existing, older solar farms of smaller size, but there are numerous examples of sales adjoining 75 to 80 MW facilities that show a similar trend as the smaller solar farms. This is understandable given that the primary concern relative to a solar farm is the appearance or view of the solar farm, which is typically addressed through setbacks and landscaping buffers. The relevance of data from smaller solar farms to larger solar farms is due to the primary question being one of appearance. If the solar farm is properly screened, then little of the solar farm would be seen from adjoining property regardless of how many acres are involved.

Larger solar farms are often set up in sections where any adjoining owner would only be able to see a small section of the project even if there were no landscaping screen. Once a landscaping screen is in place, the primary view is effectively the same whether you are adjoining a 5 MW, 20 MW or 100 MW facility.

I have split out the data for the matched pairs adjoining larger solar farms only to illustrate the similarities later in this report. I note that I have matched pairs adjoining solar farms over 600 MWs in size showing no impact on property value.

Steps Involved in the Analysis

The paired sales analysis employed in this report follows the following process:

1. Identify sales of property adjoining existing solar farms.
2. Compare those sales to similar property that does not adjoin an existing solar farm.
3. Confirmation of sales are noted in the analysis write ups.
4. Distances from the homes to panels are included as a measure of the setbacks.
5. Topographic differences across the solar farms themselves are likewise noted along with demographic data for comparing similar areas.

There are a number of Sale/Resale comparables included in the write ups, but most of the data shown is for sales of homes after a solar farm has been announced (where noted) or after a solar farm has been constructed.

IV. Research on Solar Farms

A. Appraisal Market Studies

I have also considered a number of impact studies completed by other appraisers as detailed below.

CohnReznick – Property Value Impact Study: Adjacent Property Values Solar Impact Study: A Study of Eight Existing Solar Facilities

Patricia McGarr, MAI, CRE, FRICS, CRA and Andrew R. Lines, MAI with CohnReznick completed an impact study for a proposed solar farm in Cheboygan County, Michigan completed on June 10, 2020. I am familiar with this study as well as a number of similar such studies completed by CohnReznick. I have not included all of these studies but I submit this one as representative of those studies.

This study addresses impacts on value from eight different solar farms in Michigan, Minnesota, Indiana, Illinois, Virginia and North Carolina. These solar farms are 19.6 MW, 100 MW, 11.9 MW, 23 MW, 71 MW, 61 MW, 40 MW, and 19 MW for a range from 11.9 MW to 100 MW with an average of 31 MW and a median of 31.5 MW. They analyzed a total of 24 adjoining property sales in the Test Area and 81 comparable sales in the Control Area over a five-year period.

The conclusion of this study is that there is no evidence of any negative impact on adjoining property values based on sales prices, conditions of sales, overall marketability, potential for new development or rate of appreciation.

Christian P. Kaila & Associates – Property Impact Analysis – Proposed Solar Power Plant Guthrie Road, Stuarts Draft, Augusta County, Virginia

Christian P. Kaila, MAI, SRA and George J. Finley, MAI developed an impact study as referenced above dated June 16, 2020. This was for a proposed 83 MW facility on 886 acres.

Mr. Kaila interviewed appraisers who had conducted studies and reviewed university studies and discussed the comparable impacts of other development that was allowed in the area for a comparative analysis of other impacts that could impact viewshed based on existing allowed uses for the site. He also discussed in detail the various other impacts that could cause a negative impact and how solar farms do not have such characteristics.

Mr. Kaila also interviewed County Planners and Real Estate Assessor's in eight different Virginia counties with none of the assessor's identifying any negative impacts observed for existing solar projects.

Mr. Kaila concludes on a finding of no impact on property values adjoining the indicated solar farm.

Fred Beck, MAI, CCIM – Impact Analysis in Lincoln County, North Carolina, 2013

Mr. Fred Beck, MAI, CCIM completed an impact analysis in 2013 for a proposed solar farm that concluded on a negative impact on value. That report relied on a single cancelled contract for an adjoining parcel where the contracted buyers indicated that the solar farm was the reason for the cancellation. It also relied on the activities of an assessment impact that was applied in a nearby county.

Mr. Beck was interviewed as part of the Christian Kalia study noted above. From that I quote "Mr. Beck concluded on no effect on moderate priced homes, and only a 5% change in his limited research of higher priced homes. His one sale that fell through is hardly a reliable sample."

Also noted in the Christian Kalia interview notes is a response from Mr. Beck indicating that in his opinion "the homes were higher priced homes and had full view of the solar farm." Mr. Beck indicated in the interview if landscaping screens were employed he would not see any drop in value.

NorthStar Appraisal Company – Impact Analysis for Nichomus Run Solar, Pilesgrove, New Jersey, 2020

Mr. William J. Sapio, MAI with NorthStar Appraisal Company considered a matched pair analysis for the potential impact on adjoining property values to this proposed 150 MW solar farm. Mr. Sapio considered sales activity in a subdivision known as Point of Woods in South Brunswick Township and identified two recent new homes that were constructed and sold adjoining a 13 MW solar farm and compared them to similar homes in that subdivision that did not adjoin the solar farm. These homes sold in the $1,290,450 to $1,336,613 price range and these homes were roughly 200 feet from the closest solar panel.

Based on this analysis, he concluded that the adjoining solar farm had no impact on adjoining property value.

MR Valuation Consulting, LLC – The Kuhl Farm Solar Development and The Fischer Farm Solar Development – New Jersey, 2012

Mr. Mark Pomykacaz, MAI MRICS with MR Valuation Consulting, LLC considered a matched pair analysis for sales near these solar farms. The sales data presented supported a finding of no impact on property value for nearby and adjoining homes and concludes that there is no impact on marketing time and no additional risk involved with owning, building, or selling properties next to the solar farms.

Mary McClinton Clay, MAI – McCracken County Solar Project Value Impact Report, Kentucky, 2021

Ms. Mary Clay, MAI reviewed a report by Kirkland Appraisals in this case and also provided a differing opinion of impact. Having testified opposite Ms. Clay, she has stated that she does not confirm her data and does not use an appropriate method for time adjustments.

The comments throughout this study are heavy in adjectives, avoids stating facts contrary to the conclusion and shows a strong selection bias.

Kevin T. Meeks, MAI – Corcoran Solar Impact Study, Minnesota, 2017

Mr. Kevin Meeks, MAI reviewed a report by Kirkland Appraisals in this case and also provided additional research on the topic with additional paired sales. The sales he considered are well presented and show that they were confirmed by third parties and all of the broker commentary is aligned with the conclusion that the adjoining solar farms considered had no impact on the adjoining home values.

Mr. Meeks also researched a 100 MW project in Chisago County, known as North Star Solar Garden in MN. He interviewed local appraisers and a broker who was actively marketing homes adjoining that solar farm to likewise support a finding of no impact on property value.

John Keefe, Chisago County Assessor, Chisago County Minnesota Assessor's Office, 2017

This study was completed by the Chisago County Minnesota Assessor's Office on property prices adjacent to and in close vicinity of a 1,000-acre North Star solar farm in Minnesota. The study concluded that the North Star solar farm had "no adverse impact" on property values. Mr. Keefe further stated that, "It seems conclusive that valuation has not suffered."

Tim Connelly, MAI – Solar Impact Study of Proposed Solar Facility, New Mexico, 2023

This study is a detailed review of an Impact Study completed by Kirkland Appraisals, LLC for Rancho Viejo Solar. It goes through all of the analysis and confirms the applicability and reliability of the methods and conclusions. Mr. Connelly, MAI concurs that "the proposed solar project will not have a negative impact on market value, marketability, or enjoyment of property in the immediate vicinity of the proposed project."

Donald Fisher, ARA, 2021

Donald Fisher has completed a number of studies on solar farms and was quoted in February 15, 2021 stating, "Most of the locations were in either suburban or rural areas, and all of those studies found either a neutral impact or, ironically, a positive impact, where values on properties after the installation of solar farms went up higher than time trends."

Jennifer N. Pitts, MAI - Study of Residential Market Trends Surrounding Six Utility-Scale Solar Projects in Texas, 2023

This study was completed by Real Property Analytics with Ms. Pitts along with Erin M. Kiella, PhD, and Chris Yost-Bremm, PhD. This analysis considered these solar farms through different stages of the market from announcement of the project, during construction, and after construction. They found no indication of a negative impact on sales price, the ratio of sales price to listing price, or the number of Days on Market. They also researched individual sales and interviewed local brokers who confirmed that market participants were knowledgeable of the solar projects and did not result in a negative impact on sales price or marketing time.

Michael S. MaRous, MAI, CRE – Market Impact Analysis Langdon Mills Solar, Columbia County, Wisconsin, 2023

This study was completed by MaRous & Company and singed by Machael S. MaRous. This analysis included consideration of solar projects in 13 states and including 7 solar projects in Wisconsin. This includes 22 matched pairs with a conclusion on Page 70 that states "there does not appear to have been any measurable negative impact on surrounding residential property values due to the proximity of a solar farm."

This analysis was further supported by Assessor Surveys including assessors in Wisconsin which found no instance of an assessor in Wisconsin identifying any negative impacts from solar farms on adjoining property values.

Conclusion of Impact Studies

Of the 11 studies noted 9 included actual sales data to derive an opinion of no impact on value. The two studies to conclude on a negative impact includes the Fred Beck study based on no actual sales data, and he has since indicated that with landscaping screens he would not conclude on a negative impact. The other study by Mary Clay shows improper adjustments for time, a lack of confirmation of sales comparables, and exclusion of data that does not support her initial position.

I have relied on these studies as additional support for the findings in this impact analysis.

B. Articles

I have also considered a number of articles on this subject as well as conclusions and analysis as noted below.

Farm Journal Guest Editor, March 22, 2021 – Solar's Impact on Rural Property Values

Andy Ames, ASFMRA (American Society of Farm Managers and Rural Appraisers) published this article that includes a discussion of his survey of appraisers and studies on the question of property

value related to solar farms. He discusses the university studies that I have cited as well as Patricia McGarr, MAI.

He also discusses the findings of Donald A. Fisher, ARA, who served six years at the Chair of the ASFMRA's National Appraisal Review Committee. He is also the Executive Vice President of the CNY Pomeroy Appraiser and has conducted several market studies on solar farms and property impact. He is quoted in the article as saying, "Most of the locations were in either suburban or rural areas, and all of those studies found either a neutral impact, or ironically, a positive impact, where values on properties after installation of solar farms went up higher than time trends."

Howard Halderman, AFM, President and CEO of Halderman Real Estate and Farm Management attended the ASFMRA solar talk hosted by the Indiana Chapter of the ASFMRA and he concludes that other rural properties would likely see no impact and farmers and landowners shown even consider possible benefits. "In some cases, farmers who rent land to a solar company will insure the viability of their farming operation for a longer time period. This makes them better long-term tenants or land buyers so one can argue that higher rents and land values will follow due to the positive impact the solar leases offer."

More recently in August 2022, Donald Fisher, ARA, MAI and myself led a webinar on this topic for the ASFMRA discussing the issues, the university studies and specific examples of solar farms having no impact on adjoining property values.

National Renewable Energy Laboratory – Top Five Large-Scale Solar Myths, February 3, 2016

Megan Day reports form NREL regarding a number of concerns neighbors often express. Myth #4 regarding property value impacts addresses specifically the numerous studies on wind farms that show no impact on property value and that solar farms have a significantly reduced visual impact from wind farms. She highlights that the appearance can be addressed through mitigation measures to reduce visual impacts of solar farms through vegetative screening. Such mitigations are not available to wind farms given the height of the windmills and again, those studies show no impact on value adjoining wind farms.

C. Broker Commentary

In the process of working up the matched pairs used later in this report, I have collected comments from brokers who have actually sold homes adjoining solar farms indicating that the solar farm had no impact on the marketing, timing, or sales price for the adjoining homes. I have comments from brokers noted within the solar farm write ups of this report including brokers from Kentucky, Virginia, Tennessee, and North Carolina. I have additional commentary from other states including New Jersey and Michigan that provide the same conclusion.

V. University Studies

I have also considered the following studies completed by four different universities related to solar farms and impacts on property values.

A. University of Texas at Austin, May 2018

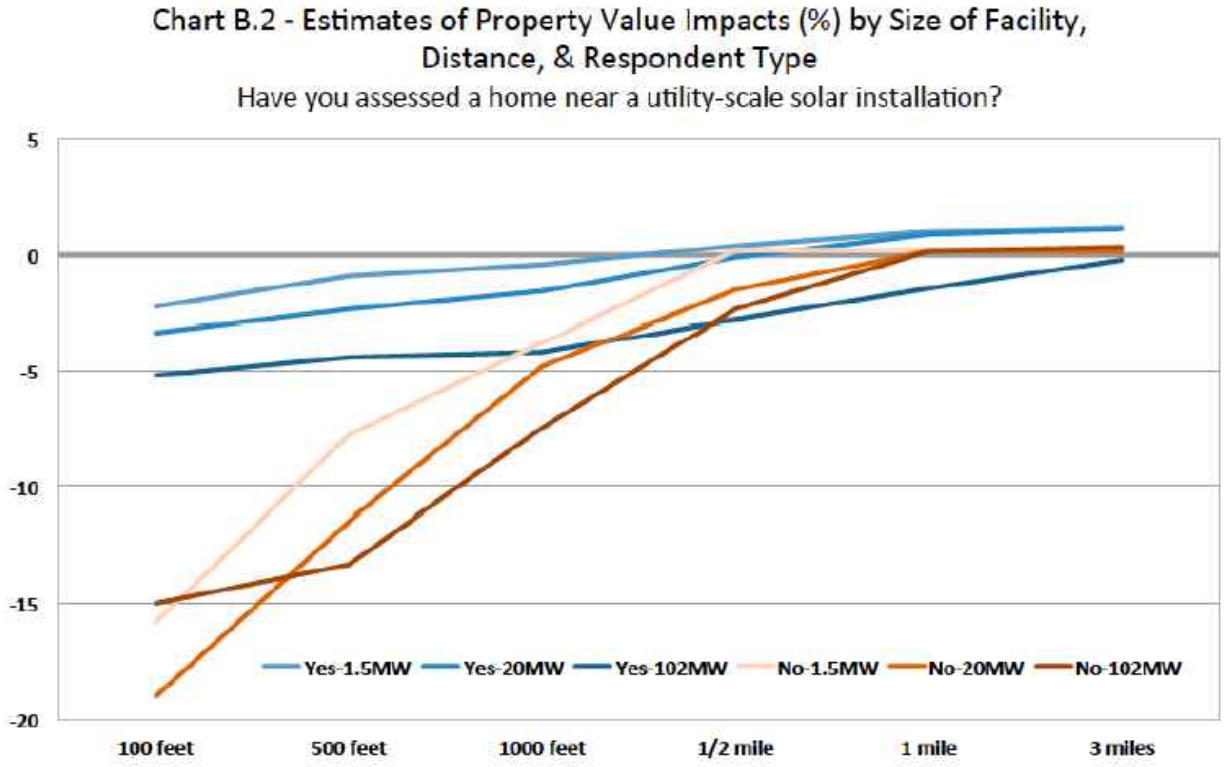
An Exploration of Property-Value Impacts Near Utility-Scale Solar Installations

This study considers solar farms from two angles. First it looks at where solar farms are being located and concludes that they are being located primarily in low density residential areas where there are fewer homes than in urban or suburban areas.

The second part is more applicable in that they conducted a survey of appraisers/assessors on their opinions of the possible impacts of proximity to a solar farm. They consider the question in terms of

size of the adjoining solar farm and how close the adjoining home is to the solar farm. I am very familiar with this part of the study as I was interviewed by the researchers multiple times as they were developing this. One very important question that they ask within the survey is very illustrative. They asked if the appraiser being surveyed had ever appraised a property next to a solar farm. There is a very noticeable divide in the answers provided by appraisers who have experience appraising property next to a solar farm versus appraisers who self-identify as having no experience or knowledge related to that use.

On Page 16 of that study they have a chart showing the responses from appraisers related to proximity to a facility and size of the facility, but they separate the answers as shown below with appraisers with experience in appraising properties next to a solar farm shown in blue and those inexperienced shown in brown. Even within 100 feet of a 102 MW facility the response from experienced appraisers were -5% at most on impact. While inexperienced appraisers came up with significantly higher impacts. This chart clearly shows that an uninformed response widely diverges from the sales data available on this subject.



Furthermore, the question cited above does not consider any mitigating factors such as landscaping buffers or screens which would presumably reduce the minor impacts noted by experienced appraisers on this subject.

The conclusion of the researchers is shown on Page 23 indicated that "Results from our survey of residential home assessors show that the majority of respondents believe that proximity to a solar installation has either no impact or a positive impact on home values."

This analysis supports the conclusion of this report that the data supports no impact on adjoining property values. The only impact suggested by this study is -5% if a home was within 100 feet of a 100 MW solar farm with little to no landscaping screening. The proposed project has a landscaping screening, is much further setback than 100 feet from adjoining homes, and is less than 100 MW.

B. University of Rhode Island, September 2020

Property Value Impacts of Commercial-Scale Solar Energy in Massachusetts and Rhode Island

The University of Rhode Island published a study entitled **Property Value Impacts of Commercial-Scale Solar Energy in Massachusetts and Rhode Island** on September 29, 2020 with lead researchers being Vasundhara Gaur and Corey Lang. I have read that study and interviewed Mr. Corey Lang related to that study. This study is often cited by opponents of solar farms but the findings of that study have some very specific caveats according to the report itself as well as Mr. Lang from the interview.

While that study does state in the Abstract that they found depreciation of homes within 1-mile of a solar farm, that impact is limited to non-rural locations. On Pages 16-18 of that study under Section 5.3 Heterogeneity in treatment effect they indicate that the impact that they found was limited to non-rural locations with the impact in rural locations effectively being zero. For the study they defined "rural" as a municipality/township with less than 850 population per square mile.

They further tested the robustness of that finding and even in areas up to 2,000 population per square mile they found no statistically significant data to suggest a negative impact. They have not specifically defined a point at which they found negative impacts to begin, as the sensitivity study stopped checking at the 2,000-population per square mile.

Where they did find negative impacts was in high population density areas that was largely a factor of running the study in Massachusetts and Rhode Island which the study specifically cites as being the 2nd and 3rd most population dense states in the USA. Mr. Lang in conversation as well as in recorded presentations has indicated that the impact in these heavily populated areas may reflect a loss in value due to the scarce greenery in those areas and not specifically related to the solar farm itself. In other words, any development of that site might have a similar impact on property value.

Based on this study I have checked the population for the Hickory-Lowes Division of Grave County, which has a population of 4,982 for 2024 based on HomeTownLocator using Census Data and a total area of 99.64 square miles. This indicates a population density of 50 people per square mile which puts this well below the threshold indicated by the Rhode Island Study.

I therefore conclude that the Rhode Island Study supports the indication of no impact on adjoining properties for the proposed solar farm project.

Hickory-Lowes Division Data & Demographics (As of July 1, 2024)

POPULATION	
Total Population	4,982 (100%)
Population in Households	4,954 (99.4%)
Population in Families	4,209 (84.5%)
Population in Group Quarters[1]	28 (0.6%)
Population Density	50
Diversity Index[2]	27

HOUSING	
Total HU (Housing Units)	2,177 (100%)
Owner Occupied HU	1,583 (72.7%)
Renter Occupied HU	365 (16.8%)
Vacant Housing Units	229 (10.5%)
Median Home Value	$177,834
Average Home Value	$199,905
Housing Affordability Index[3]	148

INCOME	
Median Household Income	$64,878
Average Household Income	$73,795
% of Income for Mortgage[4]	17%
Per Capita Income	$28,861
Wealth Index[5]	54

HOUSEHOLDS	
Total Households	1,948
Average Household Size	2.54000000000
Family Households	1,392
Average Family Size	3

C. University of Rhode Island, 2023

House of the rising sun: The effect of utility-scale solar arrays on housing prices

The University of Rhode Island published this study completed by the same researchers as the prior Rhode Island study, Vasundhara Gaur and Corey Lang. This study focused on Massachusetts and Rhode Island and found the opposite of the prior study. This study indicates that they found 1.5% to 3.6% declines in property value within 0.5 miles of a solar array and that this is mostly driven by solar projects found on agricultural land.

D. Georgia Institute of Technology, October 2020

Utility-Scale Solar Farms and Agricultural Land Values

This study was completed by Nino Abashidze as Post-Doctoral Research Associate of Health Economics and Analytics Labe (HEAL), School of Economics, Georgia Institute of Technology. This research was started at North Carolina State University and analyzes properties near 451 utility-scale ground-mount solar installations in NC that generate at least 1 MW of electric power. A total of 1,676 land sales within 5-miles of solar farms were considered in the analysis.

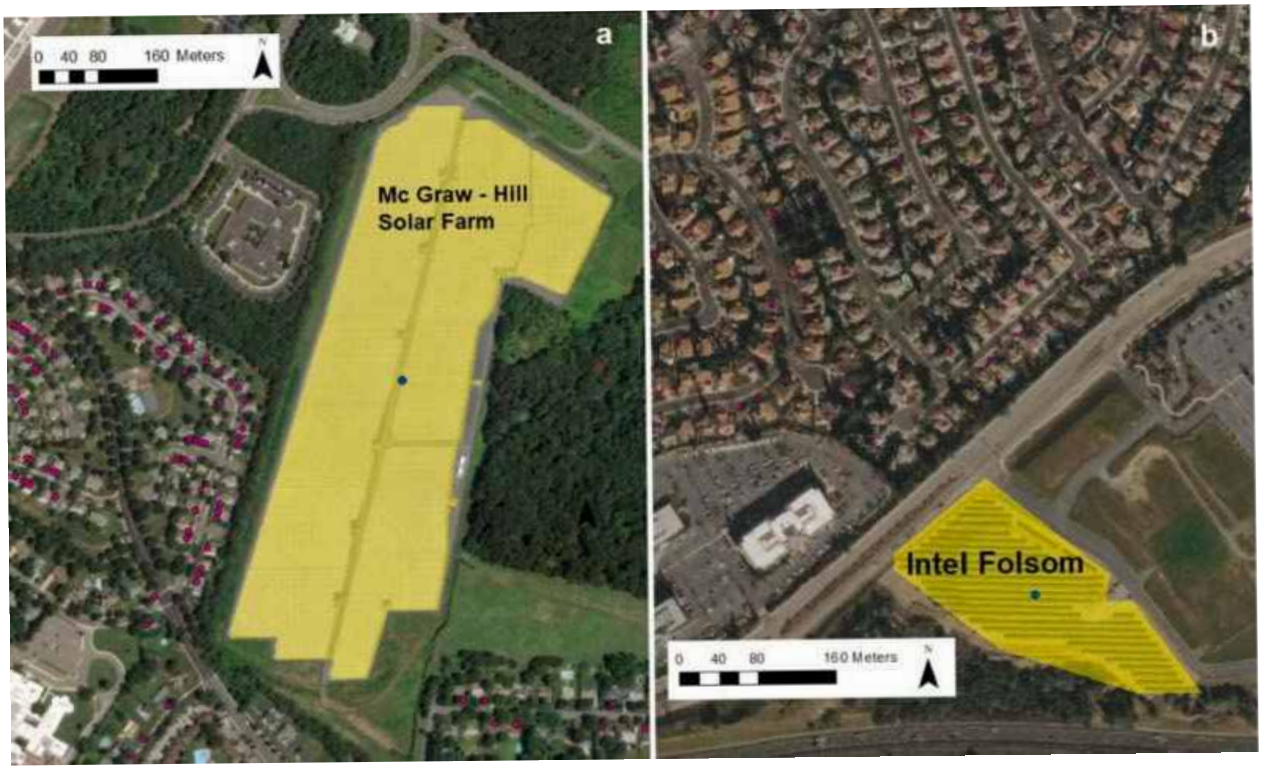
This analysis concludes on Page 21 of the study "Although there are no direct effects of solar farms on nearby agricultural land values, we do find evidence that suggests construction of a solar farm may create a small, positive, option -value for land owners that is capitalized into land prices. Specifically, after construction of a nearby solar farm, we find that agricultural land that is also located near transmission infrastructure may increase modestly in value."

This study supports a finding of no impact on adjoining agricultural property values and in some cases could support a modest increase in value.

E. Lawrence Berkeley National Lab, March 2023

Shedding light on large-scale solar impacts: An analysis of property values and proximity to photovoltaics across six U.S. states

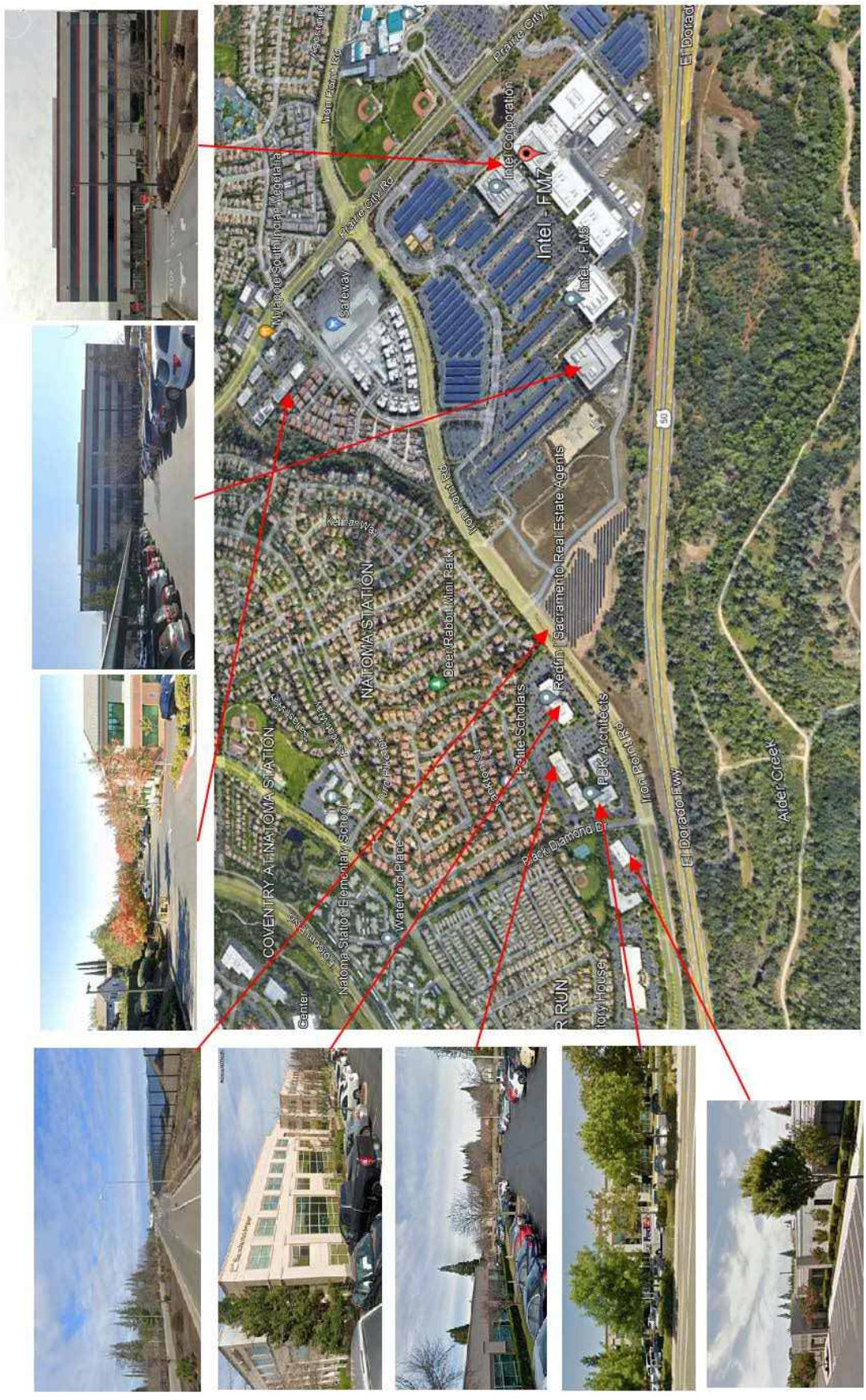
This study was completed by researchers including Salma Elmallah, Ben Hoen, K. Sydny Fujita, Dana Robson, and Eric Brunner. This analysis considers home sales before and after solar farms were installed within a 1-mile radius and compared them to home sales before and after the solar farms at a 2-4-mile radius. The conclusion found a 1.5% impact within 0.5 mile of a solar farm as compared to homes 2-4 miles from solar farms. This is the largest study of this kind on solar and addresses a number of issues, but also does not address a number of items that could potentially skew these results. First of all, the study found no impact in the three states with the most solar farm activity and only found impacts in smaller sets of data. The data does not in any way discuss actual visibility of solar farms or address existing vegetation screens. This lack of addressing this is highlighted by the fact that they suggest in the abstract that vegetative shading may be needed to address possible impacts. Another notable issue is the fact that they do not address other possible impacts within the radii being considered. This lack of consideration is well illustrated within the study on Figure A.1 where they show satellite images of McGraw Hill Solar Farm in NJ and Intel Folsom in CA. The Folsom image clearly shows large highways separating the solar farm from nearby housing, but with tower office buildings located closer to the housing being considered. In no place do they address the presence of these towers that essentially block those homes from the solar farm in some places. An excerpt of Fig. A.1. is shown below.



For each of these locations, I have panned out a little further on Google Earth to show the areas illustrated to more accurately reflect the general area. For the McGraw Hill Solar Farm you can see there is a large distribution warehouse to the west along with a large offices and other industrial uses. Further to the west is a large/older apartment complex (Princeton Arms). To the east there are more large industrial buildings. However, it is even more notable that 1.67 miles away to the west is Cranbury Golf Club. Given how this analysis was set up, these homes around the industrial buildings are being compared to homes within this country club to help establish impacts from the solar farm. Even considering the idea that each set is compared to itself before and after the solar farm, it is not a reasonable supposition that homes in each area would appreciate at the same rates

even if no solar farm was included. Furthermore the site where the solar farm is located an all of the surrounding uses not improved with residential housing to the south is zoned Research Office (RO) which allows for: manufacturing, preparation, processing or fabrication of products, with all activities and product storage taking place within a completely enclosed building, scientific or research laboratories, warehousing, computer centers, pharmaceutical operations, office buildings, industrial office parks among others. Homes adjoining such a district would likely have impacts and influences not seen in areas zoned and surrounded by zoning strictly for residential uses.


Bounce U West Windsor Kids Birthdays and More
Windsor Corporate Park
Healthy Kids Pediatric Group
East Windsor Township
Muslim Center of Greater Princeton
PenFed Credit Union
133
Windsor Center Dr
EAG Laboratories
Krauszer's Food Store
Oak Creek Estates Association
Oak Creek Rd
Pebble Rd
Devonshire Dr
Yorkshire Dr
Princeton Arms
Princeton Hightstown Rd
Patel Brothers
Arias Constructions NJ
Melvin H. Kreps Middle School
Wilmor Dr
Scott Rd
Miller Rd Ext
Windsor Derma
Dutch Neck Dental
Wiltshire Dr
Wickham Ln
Heather Wood Dr
Cherry Brook Ln
Dutch Neck Rd
Taft Ct
Beth El Synagogue
Wiltshire Park
Maple Stream Rd
Google


Intel - FM7
Intel Corporation
Prairie City Rd
Iron Point Rd
Safeway
Natoma Station Elementary School
Waterford Place
Deer Rabbit Mini Park
Sacramento Real Estate Agents
PBK Architects
Alder Creek
El Dorado Fwy
COVENTRY AT NATOMA STATION
NATOMA STATION

On the Intel Folsom map I have shown the images of two of the Intel Campus buildings, but there are roughly 8 such buildings on that site with additional solar panels installed in the parking lot as shown in that image. I included two photos that show the nearby housing having clear and close views of adjoining office parking lots. This illustrates that the homes in that 0.5-mile radius are significantly more impacted by the adjoining office buildings than a solar farm located distantly that are not within the viewshed of those homes. Also, this solar farm is located on land adjoining the Intel Campus on a tract that is zoned M-1 PD, which is a Light Industrial/Manufacturing zoning. Furthermore, the street view at the solar farm shows not only the divided four-lane highway that separates the office buildings and homes from the solar farm, but also shows that there is no landscaping buffer at this location. All of these factors are ignored by this study. Below is another image of the Folsom Solar at the corner of Iron Point Road and Intel West Driveway which shows just how close and how unscreened this project is.



Compare that image from the McGraw Hill Street view facing south from County Rte 571. There is a distant view and much of the project is hidden by a mix of berms and landscaping. The analysis makes no distinction between these projects.



The third issue with this study is that it identifies impacts following development in areas where they note that "more adverse home price impacts might be found where LSPVPS (large-scale photovoltaic project) displace green space (consistent with results that show higher property values

near green space." The problem with this statement is that it assumes that the greenspace is somehow guaranteed in these areas, when in fact, they could just as readily be developed as a residential subdivision and have the same impacts. They have made no effort to differentiate loss of greenspace through other development purposes such as schools, subdivisions, or other uses versus the impact of solar farms. In other words, they may have simply identified the impact of all forms of development on property value. This would in fact be consistent with the comments in the Rhode Island study where the researchers noted that the loss of greenspace in the highly urban areas was likely due to the loss of greenspace in particular and not due to the addition of solar panels.

Despite these three shortcomings in the analysis – the lack of differentiating landscape screening, the lack of consideration of other uses within the area that could be impacting property values, and the lack of consideration of alternative development impacts – the study still only found impacts between 0 and 5% with a conclusion of 1.5% within a 0.5-mile radius. As discussed later in this report, real estate is an imperfect market and real estate transactions typically sell for much wider variability than 5% even where there are no external factors operating on property value.

I therefore conclude that the minor impacts noted in this study support a finding of no impact on property value. Most appraisals show a variation between the highest and lowest comparable sale that is substantially greater than 1.5% and this measured impact for all its flaws would just be lost in the static of normal real estate transactions.

F. Loyola University Chicago by Simeng Hao and Gilbert Michaud, 2024

Assessing Property Value Impacts Near Utility-Scale Solar in the Midwest

This was originally part of the Master's Thesis by Simeng Hao in 2023 but updated for publication.

This study considered 70 utility-scale facilities built in the Midwest from 2009 to 2022 using data from the Lawrence Berkley National Laboratory. Using the difference-in-differences, method he found that proximity to solar project increased property values by 0.5% to 2.0%.

Furthermore, the research in this project shows that solar farms tend to be located in places with lower average home values by 2 to 3% compared to other random adjoining zip codes. This is not to say those areas are depressed, but those rural areas on average have lower prices than more suburban or urban areas nearby. This highlights the problem with a number of the studies on this issue in that they compare home values near the solar project to homes further from the solar project, but they are largely identifying the difference between rural and less-rural areas. The impact range identified by the Berkeley Study for example is exactly in line with that random difference identified by Simeng Hao.

The original Master's Thesis included a summary of seven other studies including many of those noted above that considered a total of 3,296 projects with results ranging from 1.7% decline in value to no impact. Only 2 of the studies identified found negative results that ranged from 0.82% to 1.7% impact on property value, while the other five studies found no consistent negative impact.

Given that 5 of the 7 studies identified show no negative impact and the analysis by Mr. Hao shows a positive relationship up to 2%, I consider this analysis to support my conclusions on no impact on property value. While statistical studies note impacts of +/- 2%, as noted earlier in this report, market imperfection is generally greater than that rate and supports a conclusion of no impact. Essentially, while the statistical studies are showing minor variation, applying that to any one particular property whether plus or minus, would be unsupportable given that market imperfection is greater than that purported adjustment.

G. Purdue University by Binayak Kunwar, 2024

Impact of Commercial and Utility-Scale Solar Energy on Farmland Price

This was completed as part of the Master of Science Thesis by the author to the Department of Agricultural Economics at Purdue University. This study focuses on farmland prices between 2015 and 2020 in Indiana. This study identified a premium up to 2.1% for higher priced farmland in proximity to solar projects. The study further identified adjustments for size, crop productivity and proximity to urban areas. The study interestingly notes that the higher priced farmland is both with high productivity and closer to urban areas, while the enhancement from adjoining or nearby solar is greatest on those types of farmland.

H. Virginia Polytechnic Institute and Sates University by Chenyang Hu et al, 2025

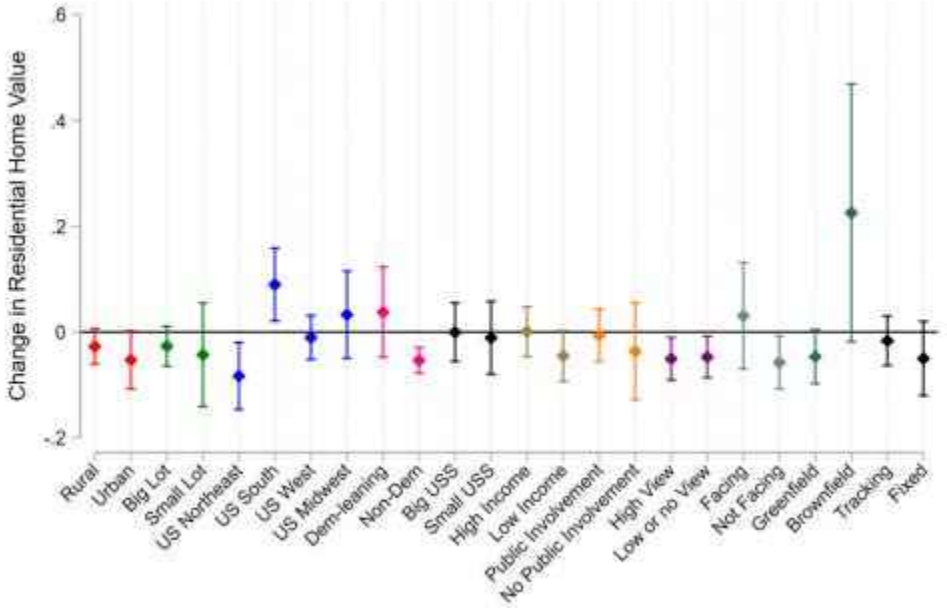
Impact of large-scale solar on property values in the United States: Diverse effects and causal mechanisms

This study follows a similar pattern of the Lawrence Berkeley study using analysis looking at properties within 3 miles of existing solar farms and comparing that data to property data 3 to 6 miles away. The findings of this study indicate a reduction in value for homes within 0.5-miles of 7.2% if it has no view of the project or 7.9% if it has a view of the project. It also concluded on a 4.8% impact up to 3 miles away. The same study concluded on an increase in value for undeveloped or farm land by an average of 19.4% within 2 miles of a solar project.

Of note, this analysis did not consider the size of the homes to be a relevant statistic and made no efforts to compare similar sized homes or adjustments for dissimilar sized homes which is a significant limitation of relying on this data.

Furthermore, this study, like the other studies that use this methodology, assumes that it is reasonable to compare home sales data within the 3-mile radius to activity in the outer ring area. However, this assumption fails to show that this is a reasonable assumption. In countless examples of solar projects we have identified across the country, the 3 to 5 mile radius includes towns and higher development areas closer to town and necessarily is showing a difference between rural values and town values. The Loyola University study illustrates this effect as outlined above.

This study also concluded that there are different factors that can influence these impacts. As shown in the chart below the lines above the line show positive impacts with the biggest positive impact being solar projects in Brownfield areas, but also includes positive impacts in the South, Midwest, Democrat leaning area, and facing of the panels.



I. Appraisal Journal by Erin Kiella, PhD, Jennifer Pitts, MAI, and Christopher Yost-Bremm, PhD – 2025, Appraisal Journal, Issue 2

Do Utility-Scale Solar Projects Affect Nearby Residential Real Estate Markets?

This study references the Lawrence Berkeley National Lab study as well as some studies out of Europe for context and other methodologies. The main focus of this study is an analysis of three utility-scale projects in two Texas counties and focused on historical sales prices, ratio between sales prices and listing prices and exposure time. They used one or more control areas for each project. They looked at data out to 3 miles around projects. The Rambler Solar facility studies showed no negative impact with the announcement or construction of the project. The Concho Valley Solar facility similarly found no impact and they were able to identify specific sales in close proximity to the site and able to confirm that those nearby single family homes were not impacted by the project and both buyers and brokers confirmed this. The Five Wells Solar facility likewise showed no impact on property values.

Discussions with realtors noted that they were not seeing impacts on property values though some buyers expressed concerns where they had direct views. The researchers note "This reinforces the need for property-specific analysis when estimating diminution in value at an individual property"

Summary of Formal Studies

I have shown in the chart below a breakdown of the conclusions from these studies. The Low end of the range is showing the greatest negative or lowest positive while the High end is the lowest negative and highest positive. Where the impacts are positive they are showing an increase in value from proximity to a solar project.

The overall range is -7.9% to a +19.04% with an average between -2.81% and +2.88%. These ranges are clearly hovering in a nominal range that correspond with Market Imperfection as identified earlier in this report. With a range that tight, it is not a significant impact shown by these studies and is suggesting a positive potential that is almost as great as the negative potential.

These generalized studies do not address landscaping screens, differences in school districts, physical conditions of the homes, considerations for higher priced subdivisions near lower priced subdivisions, ages of homes, renovations or updates, whether the homes were on gravel or paved

roads, lot size differences, amenity differences, lot premiums for river or conservation adjacency, and there was no data verification to identify atypical motivations of buyers and sellers. These generalized studies suggest a level of precision that should be considered with caution by appraisers for adjustments as they do not account for those other factors and they fall within typical market imperfection.

Table 2: Breakdown of Formal Study Findings

	Source	Type	Year	Low	High	Conclusion	Note on Proximity
A	UTA	Published Study	2018	-5.00%	1.00%		1000 feet
B	URI	Published Study	2020	-1.70%	0.00%	-1.70%	1 mile
						0.00%	1mile rural
C	URI	Published Study	2023	-3.60%	-1.50%		1/2 mile
D	GATech	Published Study	2020	0.00%	0.00%		Farmland
E	Lawrence	Published Study	2023	-5.60%	0.00%	-2.30%	1/4 mile
						-1.50%	1/2 mile
						-0.80%	1/2 to 1 mile
F	Loyola	Published Study	2024	0.50%	2.00%		Proximity
G	Purdue	Masters Thesis	2024	0.80%	2.10%		Proximity
H	VATech	Published Study	2025	-7.90%	19.40%	-7.20%	1/2 mile
						-4.80%	3 mile
						19.40%	Farmland - 2 mi
I	Appr. Journal	Published Study	2025	0.00%	0.00%	0.00%	

Average	-2.50%	2.56%
Median	-1.70%	0.00%
High	0.80%	19.40%
Low	-7.90%	-1.50%
Residential		
Average	-2.81%	2.88%
Median	-2.65%	0.50%
High	0.80%	2.10%
Low	-7.90%	-1.50%
Farmland		
Average	9.70%	9.70%
Median	9.70%	9.70%
High	19.40%	19.40%
Low	0.00%	0.00%

VI. Assessor Surveys

I have completed a survey of assessors in Kentucky, I have excluded responses from assessors with no existing and no pending solar farms in those counties. The breakdown is shown below.

Kentucky Property Valuation Administrator				
		Existing	Proposed	
County	Assessor	Solar	Solar	Impact on Adjacent?
Breckinridge	Dana Bland	0	2	No
Caldwell	Ronald Wood	0	2	No
Christian	Angie Strader	4	n/a	No
Clark	Jada Brady	1	n/a	No response
Green	Sean Curry	0	2	No
Martin	Bobby Hale, Jr.	0	1	No response/hasn't come up yet
Mercer	Jessica Elliott	1	0	No
Russell	Tim Popplewell	0	1	No response/depends on sales after built
Webster	Jeffrey Kelley	0	1	No response/depends on sales after built
Whitley	Ronnie Moses	0	1	No
	Total Responses	10		
	No Impact Responses	6		
	No Response on Impact	4		

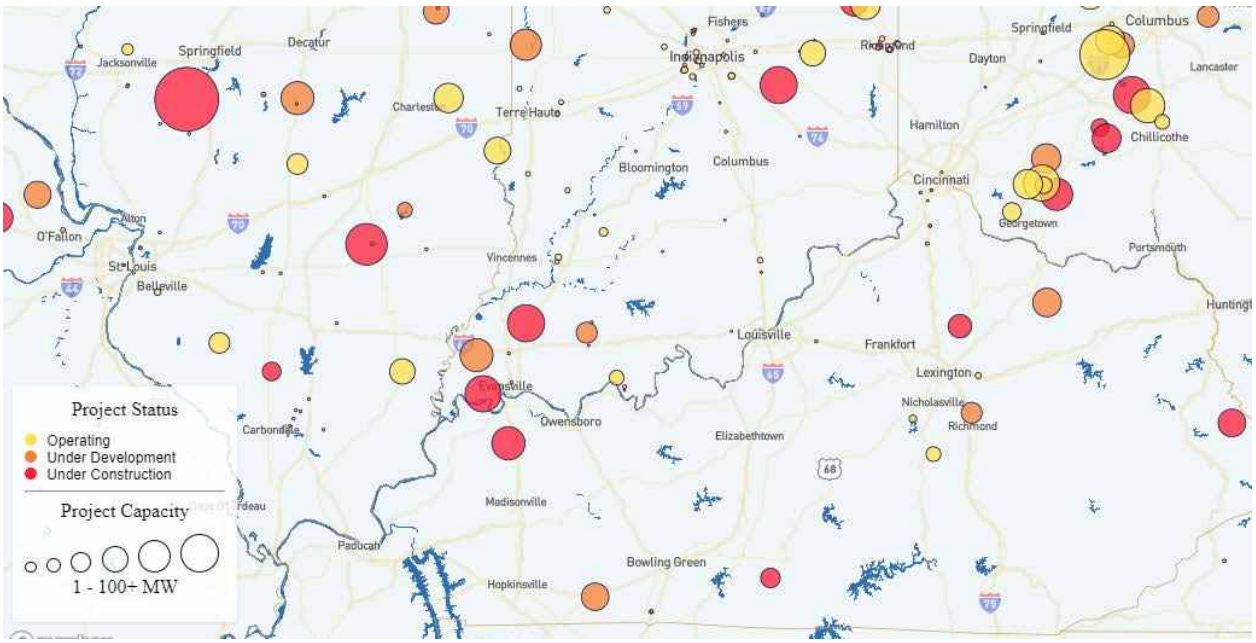
I have not had any assessor indicate a negative adjustment due to adjacency to a solar farm in any state. These responses total 189 with 172 definitively indicating no negative adjustments are made to adjoining property values, 17 providing no response to the question, and 0 indicating that they do address a negative impact on adjoining property value.

Summary of Assessor Surveys

State	Responses	No Impact	Yes Impact	No Comment
North Carolina	39	39		
Virginia	17	17		
Indiana	31	31		
Colorado	15	8		7
Georgia	33	33		
Kentucky	10	6		4
Mississippi	4	2		2
New Mexico	5	5		
Ohio	24	20		4
South Carolina	11	11		
Totals	189	172	0	17

VII. Summary of Solar Projects in Kentucky

I have researched the solar projects in Kentucky. I identified the solar farms through the Solar Energy Industries Association (SEIA) Major Projects List and then excluded the roof mounted facilities. This leaves only six solar farms in Kentucky for analysis at this time. Below is a map pulled from SEIA on Major Projects and it shows projects under development in orange and under construction in red, with yellow dots representing existing solar farms. It was from this map that I have identified a list of existing and under construction solar farms researched in Kentucky.



I have provided a summary of projects below and additional detailed information on the projects on the following pages. I specifically note the similarity in most of the sites in Kentucky in terms of mix of adjoining uses, topography, and distances to adjoining homes to each other as well as to the data identified throughout the southeast. The list includes a number of built solar projects as well as a number of proposed or approved projects that are still to be built. The data on these projects that are not built are consistent with the data on the built projects in terms of mix of adjoining uses and distances to homes.

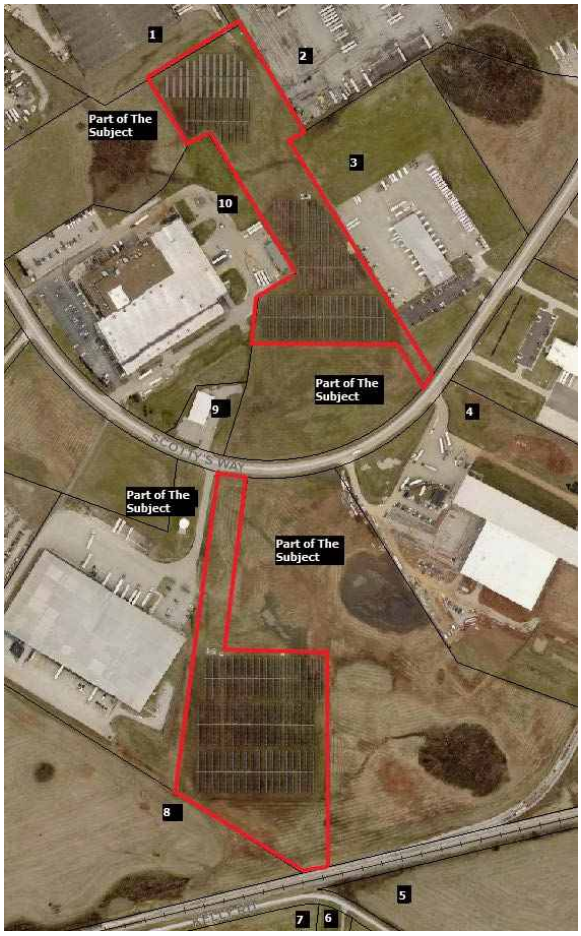
The number of solar farms currently in Kentucky is low compared to a number of other states and North Carolina in particular. I have looked at solar farms in Kentucky for sales activity, but the small number of sites coupled with the relatively short period of time these solar farms have been in place has not provided as many examples of sales adjoining a solar farm as I am able to pull from other places. I have therefore also considered sales in other states, but I have shown in the summary how the demographics around the solar farms in other locations relate to the demographics around the proposed solar farm to show that generally similar locations are being considered. The similarity of the sites in terms of adjoining uses and surrounding demographics makes it reasonable to compare the lack of significant impacts in other areas would translate into a similar lack of significant impacts at the subject site.

Solar #	Name	State	County	Output (MW)	Total Acres	Used Acres	Avg. Dist to home	Closest Home	Adjoining Use by Acre			
									Res	Agri	Agri/Res	Com
610	Bowling Green	KY	Warren	2	17.36	17.36	720	720	1%	64%	0%	36%
611	Cooperative Solar I	KY	Clarky	8.5	181.47	63	2,110	2,040	0%	96%	3%	0%
612	Walton 2	KY	Kenton	2	58.03	58.03	891	120	21%	0%	60%	19%
613	Crittenden	KY	Grant	2.7	181.7	34.1	1,035	345	22%	27%	51%	0%
617	Glover Creek	KY	Metcalfe	55	968.2	322.44	1,731	375	6%	25%	69%	0%
618	Turkey Creek	KY	Garrard	50	752.8	297.05	976	240	8%	36%	51%	5%
656	Mount Olive Creek	KY	Russell		526.02	420.82	759	150	24%	28%	47%	0%
657	Horseshoe Bend	KY	Greene	60	585.65	395	1,140	285	8%	51%	41%	0%
658	Flat Run	KY	Taylor	55	518.94	518.94	540	220	11%	70%	18%	0%
659	Cooperative Shelby	KY	Shelby	4	35	35			6%	11%	32%	52%
660	E.W. Brown	KY	Mercer	10	50	50	1,026	565	3%	44%	29%	25%
665	Northern Bobwhite	KY	Marion	121	1539.9	1281	1,162	200	5%	38%	56%	0%
695	Madison	KY	Madison	100	1357	1357	575	90	17%	51%	32%	0%
696	Fleming	KY	Fleming	188	2350	2350	1,036	175	12%	37%	50%	0%
699	Mercer County	KY	Mercer	175	1827.6	1500	1,413	230	5%	33%	62%	0%
700	Ashwood	KY	Lyon	86	1537.7	1537.7	785	170	4%	46%	23%	27%
716	Horus	KY	Simpson	74.36	592.06	547.6	551	110	4%	46%	47%	3%
717	Meade County	KY	Meade		2087.1	830	-	-	5%	76%	19%	0%
720	Fleming 1	KY	Fleming	98	764.5	598.6	585	150	3%	48%	49%	0%
721	McCracken	KY	McCracken	60	615	615	1,696	535	3%	92%	5%	0%
722	Henderson KY	KY	Henderson		1113	725.13	1,395	180	14%	57%	28%	1%
770	Bluebird KY	KY	Harrison	90	1943.2	1345	2,056	350	3%	21%	76%	0%
771	Martin County	KY	Martin	111	4122		4,029	1,450	5%	94%	2%	0%
783	Rhudes Creek	KY	Hardin	100	1078	1078	1,007	305	8%	62%	30%	0%
794	Logan County	KY	Logan	145	1612	1100	1,058	250	4%	51%	45%	0%
796	Blue Moon	KY	Harrison	74.9	949.87	949.87	1,545	250	6%	55%	39%	0%
804	Hardin KY	KY	Hardin	85			1,056	470	8%	37%	55%	0%
808	Stonefield	KY	Hardin	120	902.16	902.16	1,780	300	1%	47%	52%	0%
855	Pine Grove	KY	Madison	50	475	475	1,207	155	15%	31%	54%	0%
857	Telesto	KY	Hardin	110	1180	1180	941	500	15%	58%	27%	0%
859	Hummingbird	KY	Fleming	200	3115	3115	885	290	5%	37%	58%	0%
868	Keeneland	KY	Barren	38	613	613	906	105	6%	46%	48%	0%
893	Dogwood KY	KY	Christian	125	1565	1565	1,628	350	8%	61%	31%	0%
905	Ragland	KY	McCracken	125	4158	4158	1,162	225	9%	83%	7%	0%
958	Clover Creek KY	KY	Breckinridge	200	3908	3908	1,777	300	6%	64%	19%	11%
973	Mantle Rock	KY	Livingston	65	562	562	1,836	360	1%	25%	74%	0%
977	Wood Duck	KY	Barren	100	2259.4	1126.7	1,297	280	6%	35%	59%	0%
988	LGE-KU	KY	Shelby	2.1	35.51	35.51	1,003	595	5%	34%	9%	52%
989	Banjo Creek	KY	Graves	120	1270	1270	824	180	21%	56%	23%	0%
997	Gage	KY	Balard	240	1748	1748	704	150	4%	65%	31%	0%
1022	Frontier	KY	Washington, M	120	921.72	921.72	2,050	275	3%	26%	71%	0%
1046	Starfire	KY	Breathitt, Knott, Perry		7860	7860	2456	850	1%	95%	4%	0%
1066	Bluegrass	KY	Fayette	40	388	315	920	285	32%	15%	51%	2%
1073	Lynn Barker	KY	Martin	200	2353	2353	3122	1575	3%	96%	1%	0%
1074	Pleasant Valley	KY	Lyon & Caldwel	125	732.31	732.31	544	230	3%	81%	16%	0%
1075	Pike	KY	Pike		2023	2023	2654	1395	16%	72%	7%	5%
1111	Lost City	KY	Muhlenberg	250	1413	1413	688	330	15%	77%	9%	0%

 # Identified 47

	Output (MW)	Total Acres	Used Acres	Avg. Dist to home	Closest Home	Adjoining Use by Acre			
						Res	Agri	Agri/Res	Com
Average	94.9	1409.7	1206.7	1317	416	8%	51%	36%	5%
Median	94.0	1023.1	902.2	1056	285	6%	48%	32%	0%
High	250.0	7860.0	7860.0	4029	2040	32%	96%	76%	52%
Low	2.0	17.4	17.4	540	90	0%	0%	0%	0%

610: Bowling Green Solar, Bowling Green, KY



This project was built in 2011 and located on 17.36 acres for a 2 MW project on Scotty's Way with the adjoining uses being primarily industrial. The closest dwelling is 720 feet from the nearest panel.

Adjoining Use Breakdown

	Acreage	Parcels
Residential	0.58%	10.00%
Agricultural	63.89%	30.00%
Industrial	35.53%	60.00%
Total	**100.00%**	**100.00%**

611: Cooperative Solar I, Winchester, KY



This project was built in 2017 on 63 acres of a 181.47-acre parent tract for an 8.5 MW project with the closest home at 2,040 feet from the closest solar panel.

Adjoining Use Breakdown

	Acreage	Parcels
Residential	0.15%	11.11%
Agricultural	96.46%	77.78%
Agri/Res	3.38%	11.11%
Total	**100.00%**	**100.00%**

612: Walton 2 Solar, Walton, KY



This project was built in 2017 on 58.03 acres for a 2 MW project with the closest home 120 feet from the closest panel.

Adjoining Use Breakdown

	Acreage	**Parcels**
Residential	20.84%	47.06%
Agri/Res	59.92%	17.65%
Commercial	19.25%	35.29%
Total	**100.00%**	**100.00%**

613: Crittenden Solar, Crittenden, KY



This project was built in late 2017 on 34.10 acres out of a 181.70-acre tract for a 2.7 MW project where the closest home is 345 feet from the closest panel.

Adjoining Use Breakdown

	Acreage	**Parcels**
Residential	1.65%	32.08%
Agricultural	73.39%	39.62%
Agri/Res	23.05%	11.32%
Commercial	0.64%	9.43%
Industrial	0.19%	3.77%
Airport	0.93%	1.89%
Substation	0.15%	1.89%
Total	**100.00%**	**100.00%**

617: Glover Creek Solar, Summer Shade, Metcalfe County, KY



This project under construction in 2023 and 2024 on 322.44 acres out of a 968.20-acre parent tract assemblage for a 55 MW project where the closest home is 175 feet from the closest panel.

Adjoining Use Breakdown

	Acreage	Parcels
Residential	5.78%	37.50%
Agricultural	19.81%	12.50%
Agri/Res	74.41%	50.00%
Total	**100.00%**	**100.00%**

I identified a sale of 194 acres adjoining this solar farm on January 22, 2021 for $430,000, or $2,216 per acre. This land was improved with a dwelling from the early 1900s and while 74 acres were in timber, the timber was reserved. Given the reserved timber and the fact that this sold prior to the construction of the solar farm, it is difficult to analyze this sale for impact.

618: Turkey Creek Solar, Lancaster, Garrard County, KY



This project was built in 2022 on 297.05 acres out of a 752.80-acre parent tract assemblage for a 50 MW project where the closest home is 240 feet from the closest panel. This project was announced in 2019 with approvals in 2020.

656: Mount Olive Creek Solar, Russell Springs, Russell County, KY



This project is proposed to be built by 2025 on 420.82 acres out of a parent tract assemblage of 526.02 acres for this 60 MW project.

The closest adjoining home is 150 feet from the nearest panel.

657: Horseshoe Bend Solar, Greensburg, Green County, KY



This project is proposed to be built in 2025 on 395 acres out of a parent tract assemblage of 585.65 acres for this 60 MW project.

A home located at 2814 Highway 218, Greensburg sold on March 17, 2023 for $199,500 for a 3BR, 3 bathroom brick range on 3.75 acres located across the Highway and 1,275 feet from the nearest panel. The home is very well screened by trees and very distant and across a highway from the project. It is not a great candidate for testing for solar farm values. Furthermore it was updated since it was purchased in 2018, which minimizes the potential for a Sale/Resale analysis. All I can say is that the home was purchased in 2018 for $127,000 and sold 5 years later at a significantly higher price, though I don't know how much of that is attributable to the updates.

658: Flat Run Solar, Campbellsville, Taylor County, KY



This project is currently proposed to begin commercial operation in 2025 and to be located on 518.94 acres for this 55 MW project. The closest dwelling was proposed to be 220 feet from the nearest panel.

Adjoining Use Breakdown

	Acreage	**Parcels**
Residential	11.11%	55.56%
Agricultural	70.45%	37.04%
Agri/Res	18.44%	7.41%
Total	**100.00%**	**100.00%**

659: Cooperative Shelby Solar, Simpsonville, KY





This project was built in 2020 on 35 acres for a 0.5 MW project that is approved for expansion up to 4 MW.

Adjoining Use Breakdown

	Acreage	Parcels
Residential	6.04%	44.44%
Agricultural	10.64%	11.11%
Agri/Res	31.69%	33.33%
Institutional	51.62%	11.11%
Total	**100.00%**	**100.00%**

660: E.W. Brown Solar, Harrodsburg, KY

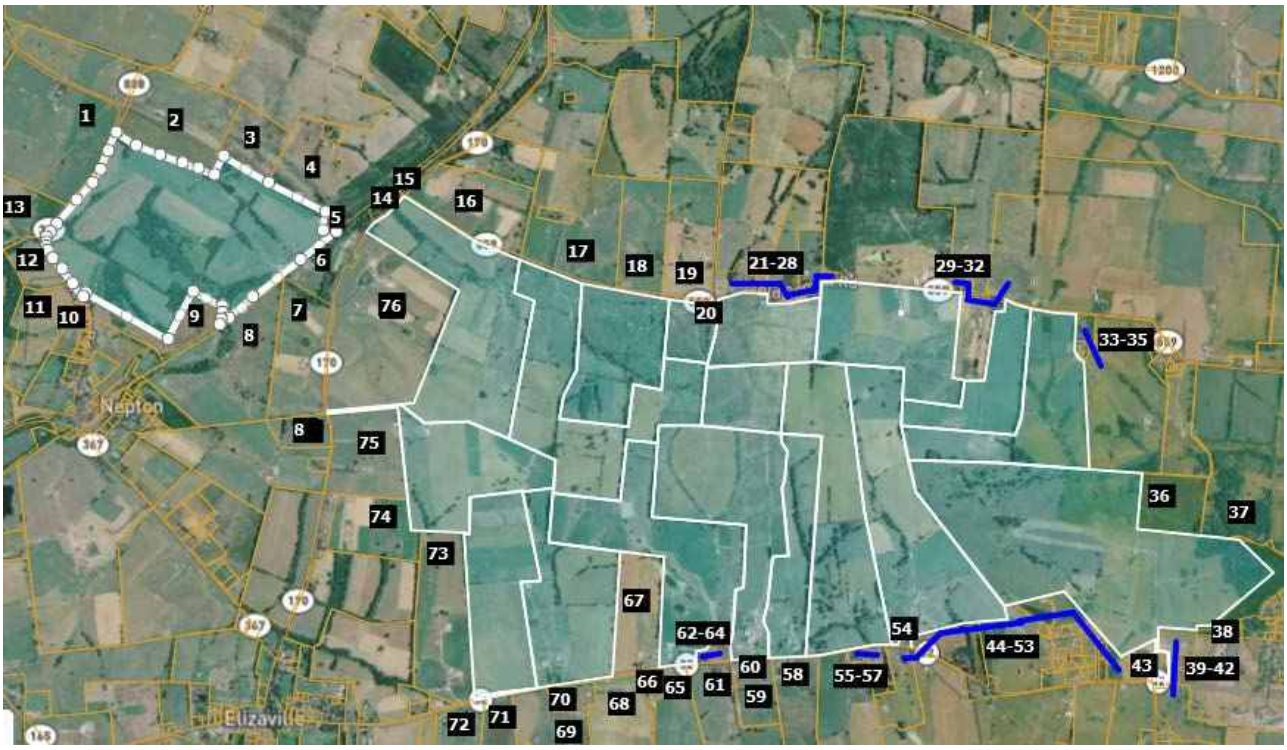


This project was built in 2016 on 50 acres for a 10 MW project. This solar facility adjoins three coal-fired units, which makes analysis of these nearby home sales problematic as it is impossible to extract the impact of the coal plant on the nearby homes especially given the lake frontage of the homes shown.

Adjoining Use Breakdown

	Acreage	**Parcels**
Residential	2.77%	77.27%
Agricultural	43.92%	9.09%
Agri/Res	28.56%	9.09%
Industrial	24.75%	4.55%
Total	**100.00%**	**100.00%**

696: AEUG Fleming Solar, Elizaville, Fleming County, KY



This project is proposed to be developed in 2026 for a 188 MW project on a parent tract of 2,350 acres. The closest adjoining home is to be 175 feet from the nearest panel.

Adjoining Use Breakdown

	Acreage	Parcels
Residential	11.80%	48.68%
Agricultural	37.47%	18.42%
Agri/Res	50.22%	30.26%
Religious	0.20%	1.32%
Commercial	0.30%	1.32%
Total	**100.00%**	**100.00%**

700: Ashwood Solar, Fredonia, Lyon County, KY

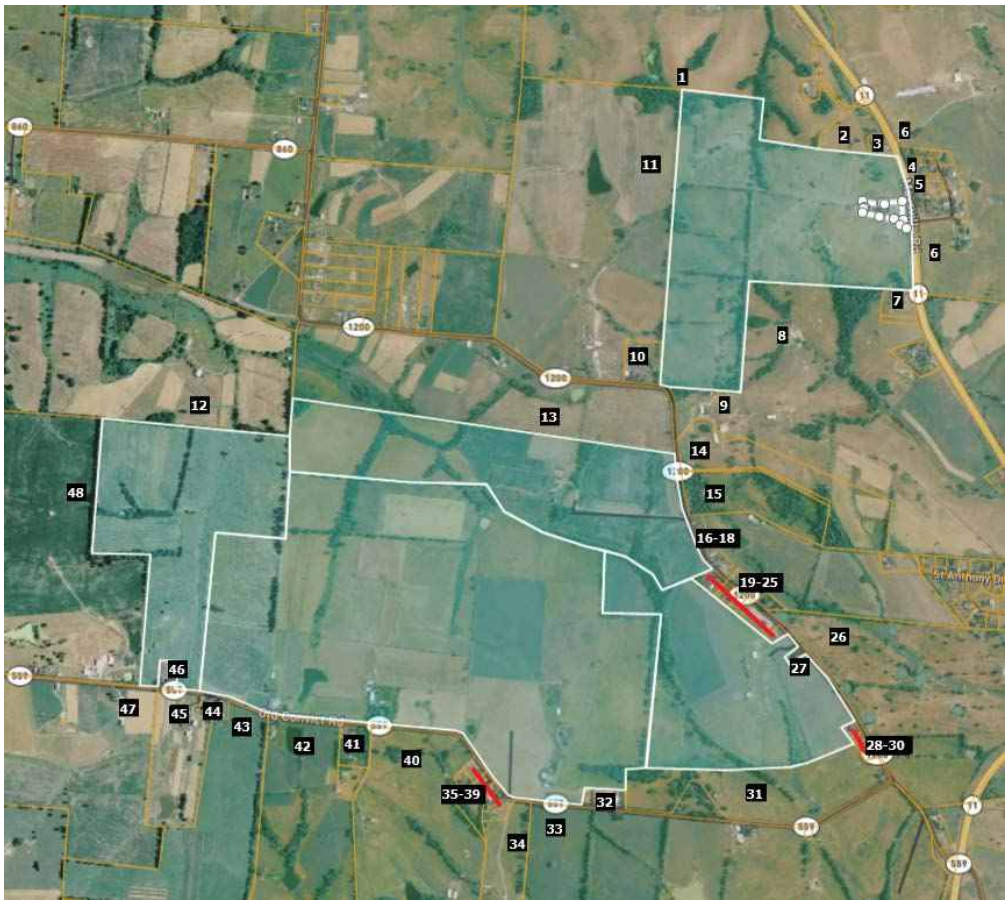


This project broke ground in 2023 and expected to be complete in 2024 according to RWE's website. It is located on 1,537.70 acres for an 86 MW project on Coleman Doles Road near Fredonia. The closest dwelling was proposed to be 170 feet from the nearest panel.

Adjoining Use Breakdown

	Acreage	**Parcels**
Residential	3.70%	54.05%
Agricultural	46.11%	24.32%
Agri/Res	22.99%	18.92%
Correctional	27.20%	2.70%
Total	**100.00%**	**100.00%**

720: Fleming Solar, Flemingsburg, Fleming County, KY

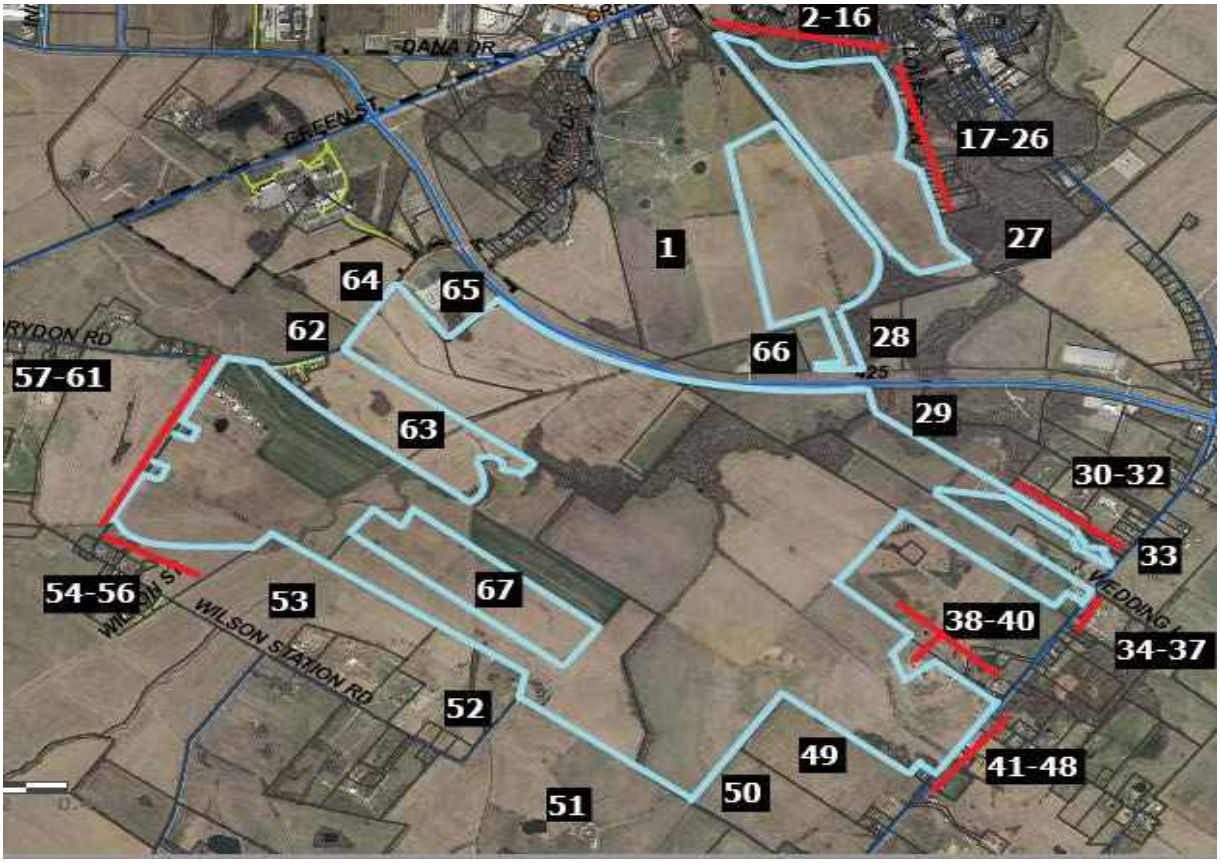


This project is proposed and located on 598.60 acres out of a 764.50-acre assemblage for a 98 MW project on Old Convict Road. The closest dwelling was proposed to be 150 feet from the nearest panel. This is part of the same project as the AEUG Fleming Solar located just north and east of the earlier reported section.

Adjoining Use Breakdown

	Acreage	**Parcels**
Residential	2.93%	56.25%
Agricultural	47.56%	20.83%
Agri/Res	49.27%	18.75%
Religious	0.12%	2.08%
Warehouse	0.12%	2.08%
Total	**100.00%**	**100.00%**

722: Henderson County Solar, Henderson, Henderson County, KY

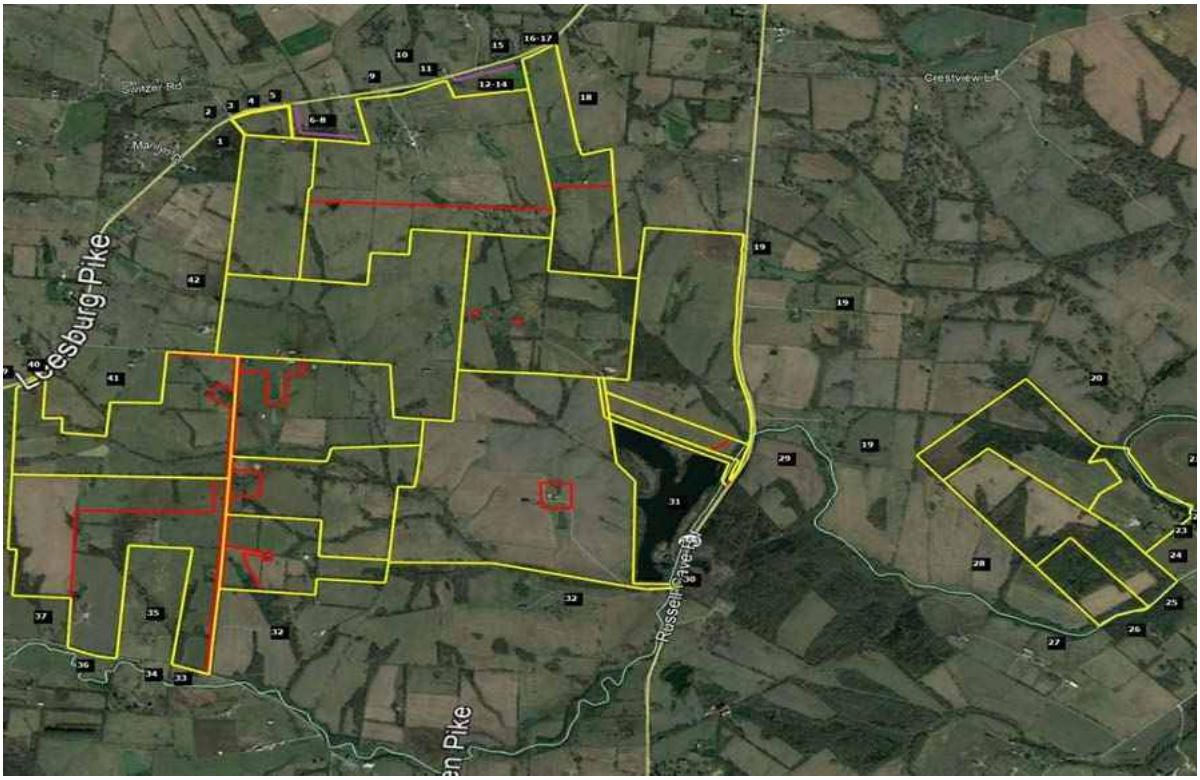


This project was originally proposed to be completed in 2023 and is located on 725.13 acres out of a 1,113.03-acre assemblage for a 50 MW project on Wilson Station Road. The original company Community Energy was acquired by AES in 2021 and this project was taken over by Stellar Renewable Power which projects to begin operations in December 2026. The closest dwelling was proposed to be 180 feet from the nearest panel.

Adjoining Use Breakdown

	Acreage	**Parcels**
Residential	12.77%	71.64%
Agricultural	56.98%	14.93%
Agri/Res	27.96%	7.46%
Religious	0.03%	1.49%
School	1.45%	1.49%
Substation	0.45%	1.49%
Cell Tower	0.35%	1.49%
Total	**100.00%**	**100.00%**

770: Bluebird Solar, Cynthia, Harrison County, KY

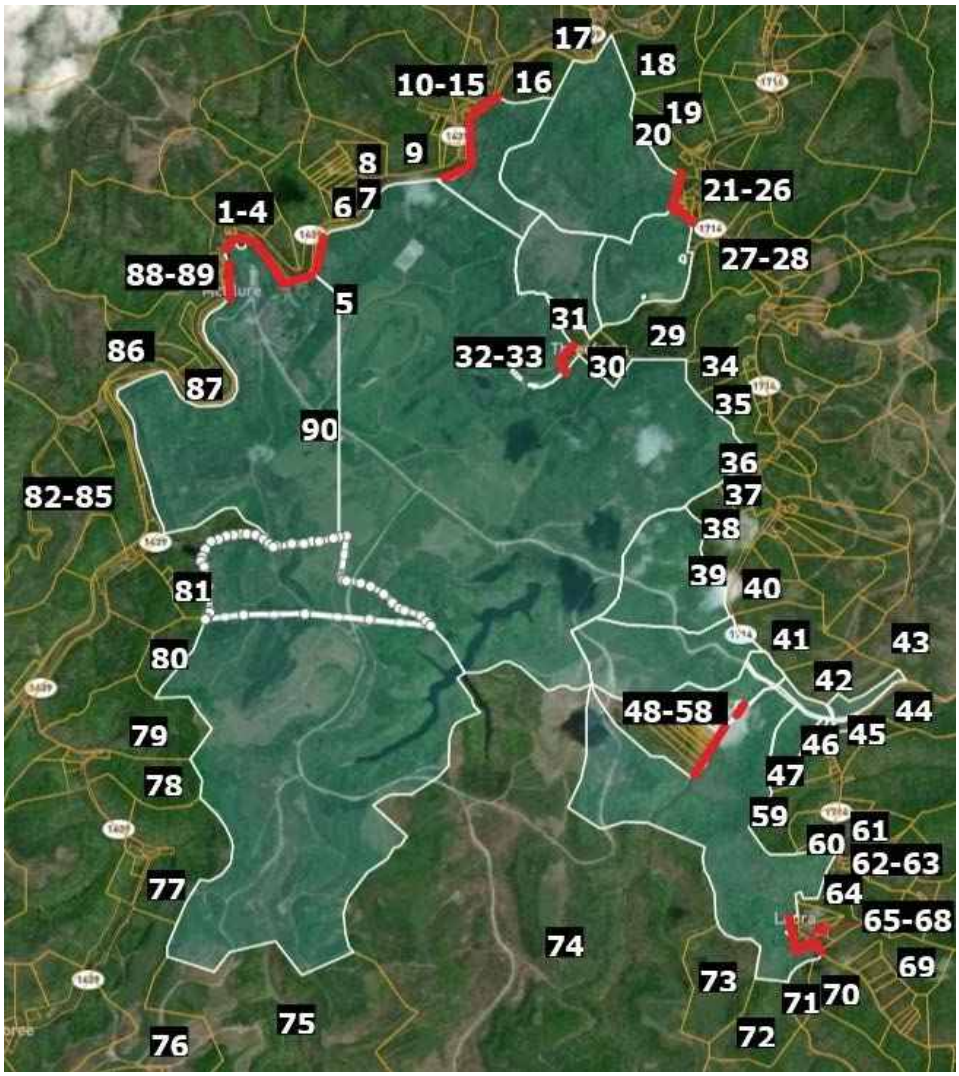


This project is currently under construction in early 2025 and is located on 1,345 acres out of a 1,943.24-acre assemblage for a 90 MW project on Hwy 32 W near Cynthia. The closest dwelling was proposed to be 350 feet from the nearest panel.

Adjoining Use Breakdown

	Acreage	**Parcels**
Residential	3.47%	47.62%
Agricultural	20.51%	26.19%
Agri/Res	76.01%	26.19%
Total	**100.00%**	**100.00%**

771: Martin County Solar, Threeforks, Martin County, KY

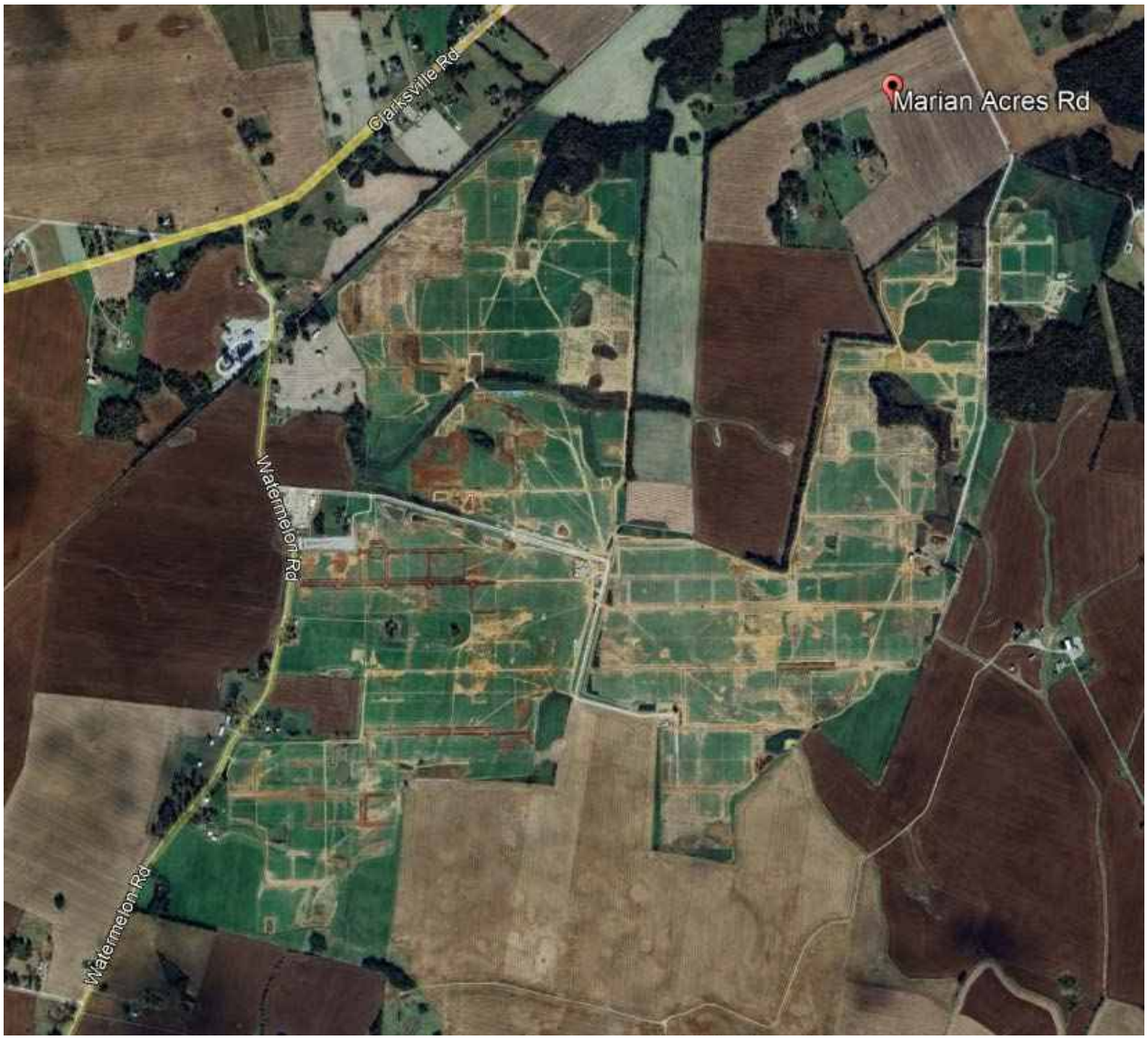


This project began construction in 2023 and completed in January 2025 on a 900-acre portion of a 2,500-acre assemblage for a 111 MW project. This was the former Martiki Coal Mine land. The closest dwelling is 1,450 feet from the nearest panel.

Adjoining Use Breakdown

	Acreage	**Parcels**
Residential	4.65%	60.44%
Agricultural	93.60%	31.87%
Agri/Res	1.69%	2.20%
Cemetery	0.06%	5.49%
Total	**100.00%**	**100.00%**

794: Logan County Solar, Russelville, Logan County, KY



This project began construction in 2023 and proposed to be complete in early 2025. It is located on 1,100 acres for a 173 MW project. The closest dwelling was proposed to be 225 feet from the nearest panel.

Adjoining Use Breakdown

	Acreage	Parcels
Residential	3.54%	45.71%
Agricultural	51.29%	37.14%
Agri/Res	45.05%	14.29%
Religious	0.12%	2.86%
Total	**100.00%**	**100.00%**

I identified a May 17, 2022 sale of 528 Watermelon Road for $275,000 for a home on 1.29 acres with 2,370 s.f. with 3 BR and 2 BR built in 1940 with 2 carport spaces. This homes is 1,460 feet

from the nearest panel through an existing wooded patch. The distance and age makes it difficult to compare this home in this area to similar properties for a paired sale analysis. This home last sold on September 12, 2016 for $149,000. Using the FHFA Home Price Index the anticipated appreciated value as of the date of the most recent sale was expected to be $234,000. This Sale/Resale analysis suggests a 17.5% increase in value due to the solar farm.

I also identified 557 J Montgomery Road that sold on December 8, 2021 for $185,000 for a 4 BR, 2 BA with 2,200 s.f. of living space on 1 acre that was built in 1980. This home has a pool that is noted as needing work, but was otherwise in average condition. I spoke with Dewayne Whittaker the listing agent who indicated that the proposed nearby solar farm had no impact on the sales price or marketing of the home. This home previously sold on May 5, 2016 for $114,000 and also on June 17, 2008 for $125,000. The 2008 sales price was higher than the 2016 due to the crash in the housing market in 2008. Adjusting each of these former sales to a December 2021 value expectation based on the FHFA Home Price Index, I derive expectations of $174,000 from the 2016 sale and $210,000 from the 2008 sale. The Sale/Resale difference from the 2008 sale is considered more reliable as it covers a shorter period of time. It shows a 6% increase in value over the expected value and supports a mild increase in value due to the adjacency to the solar farm. This home is over 1,900 feet to the nearest panel through existing woods. Given the distance involved this is not a strong indicator for properties closer to solar panels.

Similarly, 263 Donald Lane sold on October 3, 2022 for $263,400 for a brick ranch with 4 BR, 2.5 BA with 1,704 s.f. of living area on 5 acres. This home is about 1400 feet from the nearest panel through existing woods. This home previously sold in May 2010 for $141,000. Adjusting this for time using the FHFA HPI, I derive an expected value of $262,000. This is within 1% of the actual closed price and strongly supports a finding of no impact at this distance. It is not a strong indicator for properties closer to panels.

VIII. Market Analysis of the Impact on Value from Solar Farms

I have researched hundreds of solar farms in numerous states to determine the impact of these facilities on the value of adjoining properties. This research has primarily been in North Carolina, but I have also conducted market impact analyses in Virginia, South Carolina, Tennessee, Texas, Oregon, Mississippi, Maryland, New York, California, Missouri, Florida, Montana, Georgia, Kentucky, and New Jersey.

The data collection on the following pages will be used in the Sale/Resale Analysis, Paired Sales Analysis, and the Broker Comment Summary in the following sections of this report.

I have derived a breakdown of the adjoining uses to show where solar farms are located. A summary showing the results of compiling that data over hundreds of solar farms is shown later in the Scope of Research section of this report.

I also consider whether the properties adjoining a solar farm in one location have characteristics similar to the properties abutting or adjoining the proposed site so that I can make an assessment of market impact on each proposed site. Notably, in most cases solar farms are placed in areas very similar to the site in question, which is surrounded by low density residential and agricultural uses. In my over 700 studies, I have found a striking repetition of that same typical adjoining property use mix in over 90% of the solar farms I have looked at. Matched pair results in multiple states are strikingly similar, and all indicate that solar farms – which generate very little traffic, and do not generate noise, dust or have other harmful effects – do not negatively impact the value of adjoining or abutting properties.

I have previously been asked by the Kentucky Siting Board about how the solar farms and the matched pair sets were chosen. This is the total of all the usable home sales adjoining the 900+ solar farms that I have looked at over the last 15 years. Most of the solar farms that I have looked at are only a few years old and have not been in place long enough for home or land sales to occur next to them for me to analyze. There is nothing unusual about this given the relatively rural locations of most of the solar farms where home and land sales occur much less frequently than they do in urban and suburban areas and the number of adjoining homes is relatively small.

I review the solar farms that I have looked at periodically to see if there are any new sales. If there is a sale I have to be sure it is not an inhouse sale or to a related family member. A great many of the rural sales that I find are from one family member to another, which makes analysis impossible given that these are not "arm's length" transactions. There are also numerous examples of sales that are "arm's length" but are still not usable due to other factors such as adjoining significant negative factors such as a coal fired plant or at a landfill or prison. I have looked at homes that require a driveway crossing a railroad spur, homes in close proximity to large industrial uses, as well as homes adjoining large state parks, or homes that are over 100 years old with multiple renovations. Such sales are not usable as they have multiple factors impacting the value that are tangled together. You can't isolate the impact of the coal fired plant, the industrial building, or the railroad unless you are comparing that sale to a similar property with similar impacts. Matched pair analysis requires that you isolate properties that only have one differential to test for, which is why the type of sales noted above is not appropriate for analysis.

After my review of all sales and elimination of the family transactions and those sales with multiple differentials, I am left with the matched pairs shown in this report to analyze. I do have additional matched pair data in other areas of the United States that were not included in this report due to being states less comparable to Kentucky than those shown. The only other sales that I have eliminated from the analysis are home sales under $100,000, which there haven't been many such examples, but at that price range it is difficult to identify any impacts through matched pair analysis. I have not cherry picked the data to include just the sales that support one direction in value, but I have included all of them both positive and negative with a preponderance of the evidence supporting no impact to mild positive impacts.

Kentucky and Adjoining States Data

1. Crittenden Solar, Crittenden, Grant County, KY



This solar farm was built in December 2017 on a 181.70-acre tract but utilizing only 34.10 acres. This is a 2.7 MW facility with residential subdivisions to the north and south.

I have identified a number of home sales to the north of this solar farm on Clairborne Drive and a couple of home sales to the south on Eagle Ridge Drive since the completion of this solar farm. The home sales on Eagle Drive are challenging to consider given that local broker Steve Glacken with Cutler Real Estate indicated that these are the lowest price range/style home in the market. I have not analyzed those sale as it would unlikely provide significant data to other homes in the area.

Mr. Glacken has been selling lots at the west end of Clairborne for new home construction. He indicated in 2020 that the solar farm near the entrance of the development has been a complete non-factor and none of the home sales are showing any concern over the solar farm. Most of the homes are in the $250,000 to $335,000 price range. The vacant residential lots are being marketed for $28,000 to $30,000. The landscaping buffer is considered light, but the rolling terrain allows for distant views of the panels from the adjoining homes along Clairborne Drive.

The first home considered is a bit of an anomaly for this subdivision in that it is the only manufactured home that was allowed in the community. It sold on January 3, 2019. I compared that sale to three other manufactured home sales in the area making minor adjustments as shown on the next page to account for the differences. After all other factors are considered the adjustments show a -1% to +13% impact due to the adjacency of the solar farm. The best indicator is 1250 Cason, which shows a 3% impact. A 3% impact is within the normal static of real estate transactions and therefore not considered indicative of a positive impact on the property, but it strongly supports an indication of no negative impact.

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other
	Adjoins	250 Claiborne	0.96	1/3/2019	$120,000	2000	2,016	$59.52	3/2	Drive	Manuf	
	Not	1250 Cason	1.40	4/18/2018	$95,000	1994	1,500	$63.33	3/2	2-Det	Manuf	Carport
	Not	410 Reeves	1.02	11/27/2018	$80,000	2000	1,456	$54.95	3/2	Drive	Manuf	
	Not	315 N Fork	1.09	5/4/2019	$107,000	1992	1,792	$59.71	3/2	Drive	Manuf	

Adjustments

Solar	Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
Adjoins	250 Claiborne								$120,000			373
Not	1250 Cason	$2,081		$2,850	$26,144		-$5,000	-$5,000	$116,075	3%		
Not	410 Reeves	$249		$0	$24,615				$104,865	13%		
Not	315 N Fork	-$1,091		$4,280	$10,700				$120,889	-1%		
											5%	

I also looked at 350 Claiborne as shown below. These are stick-built homes and show a higher price range.

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other
	Adjoins	350 Claiborne	1.00	7/20/2018	$245,000	2002	1,688	$145.14	3/3	2-Car	Ranch	Brick
	Not	460 Claiborne	0.31	1/3/2019	$229,000	2007	1,446	$158.37	3/2	2-Car	Ranch	Brick
	Not	2160 Sherman	1.46	6/1/2019	$265,000	2005	1,735	$152.74	3/3	2-Car	R/FBsmt	Brick
	Not	215 Lexington	1.00	7/27/2018	$231,200	2000	1,590	$145.41	5/4	2-Car	Ranch	Brick

Adjustments

Solar	Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
Adjoins	350 Claiborne								$245,000			720
Not	460 Claiborne	-$3,223		-$5,725	$30,660	$5,000			$255,712	-4%		
Not	2160 Sherman	-$7,057		-$3,975	-$5,743				$248,225	-1%		
Not	215 Lexington	-$136		$2,312	$11,400	-$5,000			$239,776	2%		
											-1%	

The following photograph shows the light landscaping buffer and the distant view of panels that was included as part of the marketing package for this property. The panels are visible somewhat on the left and somewhat through the trees in the center of the photograph. The first photograph is from the home, with the second photograph showing the view near the rear of the lot.





This set of matched pairs shows no negative impact for this property. The range of adjusted impacts is -4% to +2%. The best indication is -1%, which as described above is within the typical market static and supports no impact on adjoining property value.

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other
	Adjoins	370 Claiborne	1.06	8/22/2019	$273,000	2005	1,570	$173.89	4/3	2-Car	2-Story	Brick
	Not	2160 Sherman	1.46	6/1/2019	$265,000	2005	1,735	$152.74	3/3	2-Car	R/FBsmt	Brick
	Not	2290 Dry	1.53	5/2/2019	$239,400	1988	1,400	$171.00	3/2.5	2-Car	R/FBsmt	Brick
	Not	125 Lexington	1.20	4/17/2018	$240,000	2001	1,569	$152.96	3/3	2-Car	Split	Brick

Adjustments

Solar	Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
Adjoins	370 Claiborne								$273,000			930
Not	2160 Sherman	$1,831		$0	-$20,161				$246,670	10%		
Not	2290 Dry	$2,260		$20,349	$23,256	$2,500			$287,765	-5%		
Not	125 Lexington	$9,951		$4,800					$254,751	7%		
											4%	

This set of matched pairs shows a general positive impact for this property. The range of adjusted impacts is -5% to +10%. The best indication is +7%. I typically consider measurements of +/-5% to be within the typical variation in real estate transactions. This indication is higher than that and suggests a positive relationship.

The photograph from the listing shows panels visible between the home and the trampoline shown in the picture.



Adjoining Residential Sales After Solar Farm Approved

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other
Adjoins	330 Claiborne	1.00	12/10/2019	$282,500	2003	1,768	$159.79	3/3	2-Car	Ranch	Brick/pool
Not	895 Osborne	1.70	9/16/2019	$249,900	2002	1,705	$146.57	3/2	2-Car	Ranch	Brick/pool
Not	2160 Sherman	1.46	6/1/2019	$265,000	2005	1,735	$152.74	3/3	2-Car	R/FBsmt	Brick
Not	215 Lexington	1.00	7/27/2018	$231,200	2000	1,590	$145.41	5/4	2-Car	Ranch	Brick

Solar	Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
Adjoins	330 Claiborne								$282,500			665
Not	895 Osborne	$1,790		$1,250	$7,387	$5,000		$0	$265,327	6%		
Not	2160 Sherman	$4,288		-$2,650	$4,032			$20,000	$290,670	-3%		
Not	215 Lexington	$9,761		$3,468	$20,706	-$5,000		$20,000	$280,135	1%		
											1%	

This set of matched pairs shows a general positive impact for this property. The range of adjusted impacts is -3% to +6%. The best indication is +6%. I typically consider measurements of +/-5% to be within the typical variation in real estate transactions. This indication is higher than that and suggests a positive relationship. The landscaping buffer on these is considered light with a fair visibility of the panels from most of these comparables and only thin landscaping buffers separating the homes from the solar panels.

I also looked at four sales that were during a rapid increase in home values around 2021, which required significant time adjustments based on the FHFA Housing Price Index. Sales in this time frame are less reliable for impact considerations as the peak buyer demand allowed for homes to sell with less worry over typical issues such as repairs.

The home at 250 Claiborne Drive sold with no impact from the solar farm according to the buyer's broker Lisa Ann Lay with Keller Williams Realty Service. As noted earlier, this is the only manufactured home in the community and is a bit of an anomaly. There was an impact on this sale due to an appraisal that came in low likely related to the manufactured nature of the home. Ms. Lay indicated that there was significant back and forth between both brokers and the appraiser to address the low appraisal, but ultimately, the buyers had to pay $20,000 out of pocket to cover the difference in appraised value and the purchase price. The low appraisal was not attributed to the solar farm, but the difficulty in finding comparable sales and likely the manufactured housing.

Adjoining Residential Sales After Solar Farm Built

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other
Adjoins	250 Claiborne	1.05	1/5/2022	$210,000	2002	1,592	$131.91	4/2	Drive	Ranch	Manuf
Not	255 Spillman	0.64	3/4/2022	$166,000	1991	1,196	$138.80	3/1	Drive	Ranch	Remodel
Not	546 Waterworks	0.28	4/29/2021	$179,500	2007	1,046	$171.61	4/2	Drive	Ranch	3/4 Fin B
Not	240 Shawnee	1.18	6/7/2021	$180,000	1977	1,352	$133.14	3/2	Gar	Ranch	N/A

Solar	Address	Time	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
Adjoins	250 Claiborne							$210,000			365
Not	255 Spillman	-$379	$9,130	$43,971	$10,000		-$20,000	$208,722	1%		
Not	546 Waterworks	$1,772	-$4,488	$74,958			-$67,313	$184,429	12%		
Not	240 Shawnee	$1,501	$22,500	$25,562		-$10,000		$219,563	-5%		
										3%	

The photograph of the rear view from the listing is shown below.



The home at 260 Claiborne Drive sold with no impact from the solar farm according to the buyer's broker Jim Dalton with Ashcraft Real Estate Services. He noted that there was significant wood rot and a heavy smoker smell about the house, but even that had no impact on the price due to high demand in the market.

Adjoining Residential Sales After Solar Farm Built

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other
Adjoins	260 Claiborne	1.00	10/13/2021	$175,000	2001	1,456	$120.19	3/2	Drive	Ranch	N/A
Not	355 Oakwood	0.58	10/27/2020	$186,000	2002	1,088	$170.96	3/2	Gar	Ranch	3/4 Fin B
Not	30 Ellen Kay	0.50	1/30/2020	$183,000	1988	1,950	$93.85	3/2	Gar	2-Story	N/A
Not	546 Waterworks	0.28	4/29/2021	$179,500	2007	1,046	$171.61	4/2	Drive	Ranch	3/4 Fin B

Solar	Address	Time	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
Adjoins	260 Claiborne							$175,000			390
Not	355 Oakwood	$18,339	-$930	$50,329		-$10,000	-$69,750	$173,988	1%		
Not	30 Ellen Kay	$31,974	$11,895	-$37,088		-$10,000		$179,781	-3%		
Not	546 Waterworks	$8,420	-$5,385	$56,287			-$67,313	$171,510	2%		
										0%	

The photograph of the rear view from the listing is shown below.

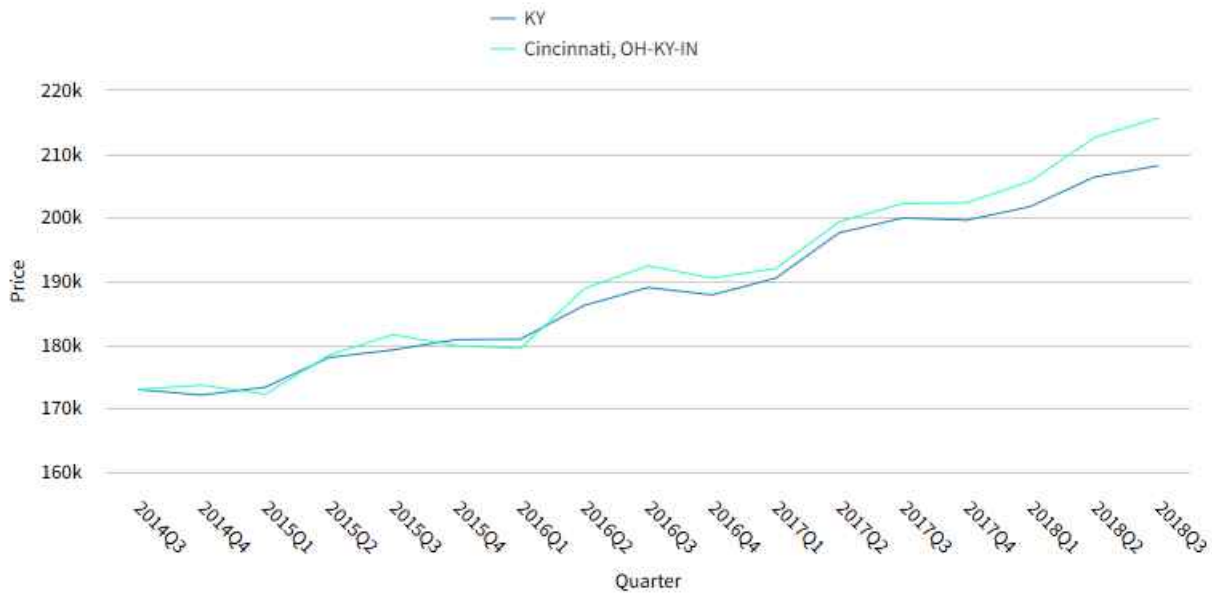


These next two were brick and with unfinished basements which made them easier to compare and therefore more reliable.

For 300 Claiborne I found a sale in 2022, a sale in 2021, and a sale in 2018. All three were after the solar project was completed. I also considered the 2014 sale of the home prior to the announcement of the solar project for a Sale/Resale analysis.

The July 2014 sales price was $173,000 and then it sold after the solar project in 2018 for $212,720. The FHFA HPI shows an expected increase over that time period for an expected home value of $208,183. This is very similar to the actual sales price in 2018 and supports a finding of no impact due to the solar project.

Estimated Value for MSA:	Estimated Value for State:	MSA Percentage Change:
$215,720	$208,183	24.69%



The paired sales data for the 2018, 2021, and 2022 sales of 300 Claiborne are shown below.

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other
	Adjoins	300 Claiborne	1.08	9/20/2018	$212,720	2003	1,568	$135.66	3/3	2-Car	Ranch	Brick
	Not	460 Claiborne	0.31	1/3/2019	$229,000	2007	1,446	$158.37	3/2	2-Car	Ranch	Brick
	Not	2160 Sherman	1.46	6/1/2019	$265,000	2005	1,735	$152.74	3/3	2-Car	Ranch	Brick
	Not	215 Lexington	1.00	7/27/2018	$231,200	2000	1,590	$145.41	5/4	2-Car	Ranch	Brick

Adjustments

Solar	Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
Adjoins	300 Claiborne								$213,000			488
Not	460 Claiborne	-$2,026		-$4,580	$15,457	$5,000			$242,850	-14%		
Not	2160 Sherman	-$5,672		-$2,650	-$20,406				$236,272	-11%		
Not	215 Lexington	$1,072		$3,468	-$2,559	-$5,000			$228,180	-7%		
											-11%	

djoining Residential Sales After Solar Farm Built

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other
Adjoins	300 Claiborne	0.89	12/18/2021	$290,000	2002	1,568	$184.95	3/3	2-Car	Br Rnch	Bsmt
Not	405 Claiborne	0.41	2/1/2022	$267,750	2004	1,787	$149.83	3/2	2-Car	Br Rnch	Bsmt
Not	39 Pinhook	0.68	3/31/2022	$299,000	1992	1,680	$177.98	3/2	2-Car	Br Rnch	Bsmt
Not	5 Pinhook	0.70	4/7/2022	$309,900	1992	1,680	$184.46	3/2	2-Car	Br Rnch	Bsmt

Solar	Address	Time	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
Adjoins	300 Claiborne							$290,000			570
Not	405 Claiborne	-$3,384	-$2,678	-$26,251				$235,437	19%		
Not	39 Pinhook	-$8,651	$14,950	-$15,947				$289,352	0%		
Not	5 Pinhook	-$9,576	$15,495	-$16,528				$299,291	-3%		
										5%	

The photograph of the rear view from the 2021 listing is shown below.



This same home, 300 Claiborne sold again on October 14, 2022 for $332,000, or $42,000 higher or 15% higher than it had just 10 months earlier. The FHFA Home Price Index indicates an 8.3% increase over that time for the overall market, suggesting that this home is actually increasing in value faster than other properties in the area.

Adjoining Residential Sales After Solar Farm Built

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other
Adjoins	300 Claiborne	0.89	10/14/2022	$332,000	2002	1,568	$211.73	3/3	2-Car	Br Rnch	Bsmt
Not	202 Shady	0.94	4/20/2023	$300,000	1980	1,620	$185.19	4/2.5	2-Det	Br Rnch	Bsmt
Not	145 Liza	0.31	8/5/2022	$325,000	2015	1,650	$196.97	3/2	2-Car	Br Rnch	
Not	120 Sheffield	0.21	7/26/2023	$344,900	2023	1,570	$219.68	3/2	2-Car	Rnch	Bsmt

Solar	Address	Time	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
Adjoins	300 Claiborne							$332,000			570
Not	202 Shady	-$14,258	$33,000	-$3,852	-$5,000	$5,000		$314,890	5%		
Not	145 Liza	$5,751	-$21,125	-$6,461			$10,000	$313,166	6%		
Not	120 Sheffield	-$24,850	-$36,215	-$176			$17,245	$300,905	9%		
										7%	

An updated photo from the 2022 listing is shown below.



The home at 410 Claiborne included an inground pool with significant landscaping around it that was a challenge. Furthermore, two of the comparables had finished basements. I made no adjustment for the pool on those two comparables and considered the two factors to cancel out

Adjoining Residential Sales After Solar Farm Built

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other
Adjoins	410 Claiborne	0.31	2/10/2021	$275,000	2006	1,595	$172.41	3/2	2-Car	Br Rnch	Bsmt/Pool
Not	114 Austin	1.40	12/23/2020	$248,000	1994	1,650	$150.30	3/2	2-Car	Br Rnch	Bsmt
Not	125 Liza	0.29	6/25/2021	$315,000	2005	1,913	$164.66	4/3	2-Car	Br Rnch	Ktchn Bsmt
Not	130 Hannahs	0.42	2/9/2021	$295,000	2007	1,918	$153.81	3/3	2-Car	Br Rnch	Fin Bsmt

Solar	Address	Time	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
Adjoins	410 Claiborne							$275,000			1080
Not	114 Austin	$3,413	$14,880	-$6,613			$20,000	$279,680	-2%		
Not	125 Liza	-$11,945	$1,575	-$41,890	-$10,000			$252,740	8%		
Not	130 Hannahs	$83	-$1,475	-$39,743	-$10,000			$243,864	11%		
										6%	

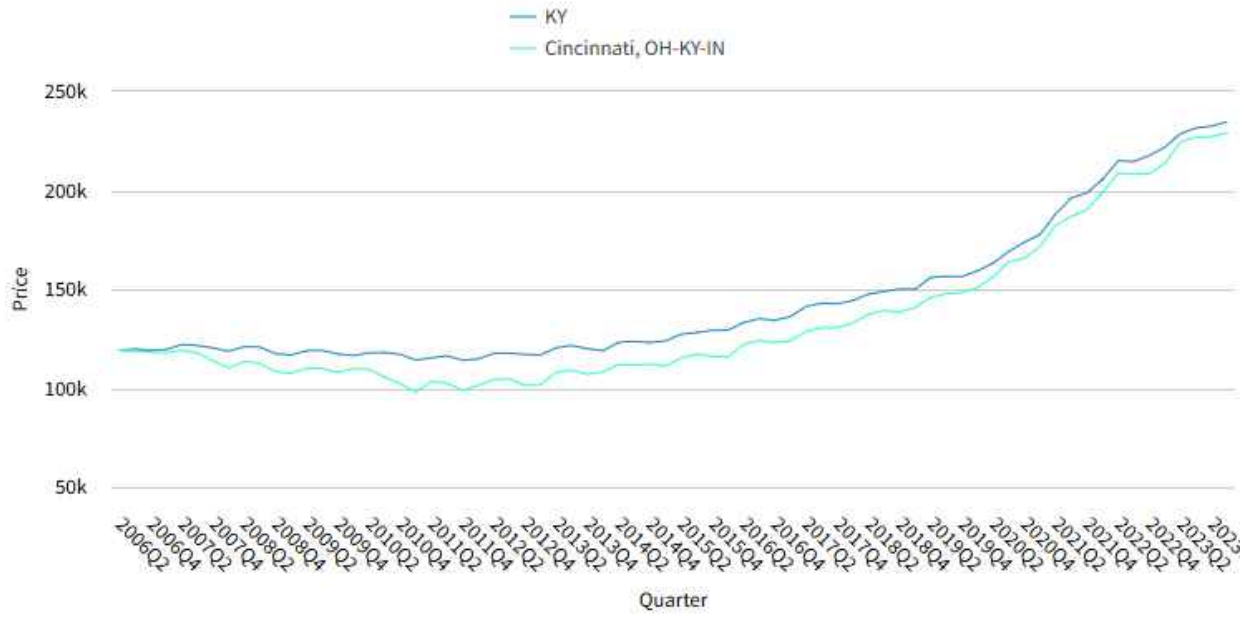
Another home sale was identified at 280 Claiborne which sold on March 27, 2024 for $295,500 for this 2,100 s.f. 1.5-story home built in 1998 with 3 BR, 2.5 BA, on 1.05 acres. In the listing photographs you can see the solar panels in the background as shown below. The closest panel is 500 feet from the home.



This home last sold on April 28, 2006 for $119,200 before the solar farm was built. Using the FHFA HPI over that time period, that home was expected to appreciate between those two sales to $234,745, whereas it actually appreciated to $295,500. This home was noted as having "neat additions" such as a storm shelter, fenced gardens, and tasteful décor. Some of this may explain the higher sales price, but this Sale/Resale strongly supports a finding of no impact on property value. A typical new roof adds $6,000 to $7,000 in resale value based on some online estimates. A new kitchen typically adds around $26,000 on average as of 2022. Adding an additional $5,000 for the granite counter tops the total kitchen remodel estimate is $31,000. Add in the new roof and you get an estimated value of the upfit at $38,000. Even if I increase this estimate by 25% to $47,500, the indicated adjusted value including the time adjustment is $282,245, which supports a finding of no impact on property value.

The home was sold by Carol Jackson with The Realty Place (859-393-6282). Ms Jackson replied via text on 1/18/25 that this was an arm's length transaction and that the solar project had no impact on the property value due to the distance involved. She indicated that they had multiple offers on this home.

Estimated Value for MSA:	Estimated Value for State:	MSA Percentage Change:
$229,205	$234,745	92.29%



Adjoining Residential Sales After Solar Farm Built

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other
Adjoins	410 Claiborne	0.31	2/10/2021	$275,000	2006	1,595	$172.41	3/2	2-Car	Br Rnch	Bsmt/Pool
Not	114 Austin	1.40	12/23/2020	$248,000	1994	1,650	$150.30	3/2	2-Car	Br Rnch	Bsmt
Not	125 Liza	0.29	6/25/2021	$315,000	2005	1,913	$164.66	4/3	2-Car	Br Rnch	Ktchn Bsmt
Not	130 Hannahs	0.42	2/9/2021	$295,000	2007	1,918	$153.81	3/3	2-Car	Br Rnch	Fin Bsmt

Solar	Address	Time	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	Distance
Adjoins	410 Claiborne							$275,000			1080
Not	114 Austin	$3,413	$14,880	-$6,613			$20,000	$279,680	-2%		
Not	125 Liza	-$11,945	$1,575	-$41,890	-$10,000			$252,740	8%		
Not	130 Hannahs	$83	-$1,475	-$39,743	-$10,000			$243,864	11%		
										6%	

2. Walton 2, Walton, Kenton County, KY



This project was built in 2017 on 58.03 acres for a 2 MW project with the closest home 120 feet from the closest panel.

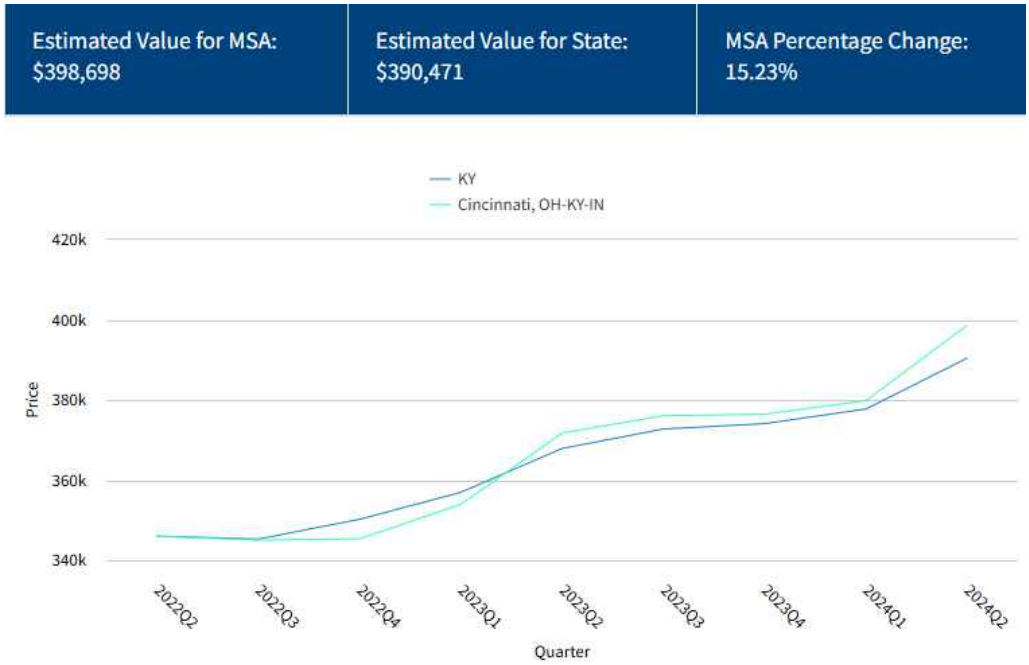
The home located on Parcel 1 (783 Jones Road, Walton, KY) in the map above sold on May 4, 2022 for $346,000. This home is 410 feet from the nearest solar panel. I have considered a Sale/Resale analysis of this home as it previously sold on May 7, 2012 for $174,900. This analysis compares that 2012 purchase price and uses the FHFA House Price Index Calculator to identify what real estate values in the area have been appreciating at to determine where it was expected to appreciate to. I have then compared that to the actual sales price to determine if there is any impact attributable to the addition of the solar farm.

As can be seen on the calculator form, the expected value for $174,900 home sold in 2nd quarter 2012 would be $353,000 for 2nd quarter 2022. This is within 2% of the actual sales price and supports a finding of no impact on property value.

I have not attempted a paired sales analysis with other sales, as this property also has the nearby recycling and car lot that would be a potential factor in comparing to other sales. But based on aerial imagery, these same car lots were present in 2012 and therefore has no additional impact when comparing this home sale to itself.



This same home was then renovated with a new roof, updated kitchen with granite counters and listed again on January 4, 2025 and went under contract for the asking price of $428,500 on January 5, 2025. The property increased in value since 2022 by $82,500, whereas the FHFA HPI indicates an increase in value to $398,698. The additional increase over that is attributable to the recent updates, which makes it difficult to use this as a Sale/Resale analysis, but is suggestive.



3. Turkey Creek, Lancaster, Garrard County, KY



This project was built in 2022 on 297.05 acres out of a 752.80-acre parent tract assemblage for a 50 MW project where the closest home is 240 feet from the closest panel. This project was announced in 2019 with approvals in 2020.

I identified a sale at 166 Long Branch Drive, Lancaster that sold on November 25, 2020 after the solar farm was announced for $180,000. The prior sale of the property on February 28, 2019 was for $160,000. Adjusting the earlier sale by the FHFA Home Price Index, the anticipated increase in value was $181,000. This is a difference of 1% which is within typical market deviation and supports a finding of no impact on property value due to the announcement of the solar farm. This home is approximately 250 feet from the nearest solar panel.

I also identified 209 Ashlock Drive that sold on June 14, 2022 near the time construction was to be begin at this solar project. This home sold for $500,000 for a 3,968 s.f. home with 4 BR, 4.5 BA built in 1985 on 3.06 acres. This is a unique home and it is over 1,000 feet to the nearest solar panel. It was purchased out of a larger tract that now includes 5 additional lots and this home adjoins an industrial use to the northwest. All of these factors make it difficult to analyze this sale. I have therefore not attempted to do so as any result would be non-credible given these other factors.

I also identified 1439 Stanford Road that sold on June 27, 2023 for $1,300,000 for this 3,400 s.f. historic home on 206 acres. The home is over 1,500 feet from the panels and the site includes acreage zoned for commercial use according to the listing. There are too many unique features to this for a valid paired sales analysis. I have not attempted one for this sale.

I identified 239 Ashlock Drive that sold on June 20, 2024 for $329,900 for this 1,600 s.f. brick ranch with 3 BR, 2.5 BA, with 2-car garage built in 2024 on 1 acre. This home is approximately 700 feet from the nearest panel. It is located on the north side of Elmwood Court and therefore one lot away from adjoining the solar project. This home was sold by Hannah Hulett with Danny Ayres Realty & Auction. The home was listed on April 19, 204 for $339,900 and then reduced to $329,900 on May 1, 204. The home went under contract on May 16, 2024 and sold on June 20, 2024 for $329,900. The purchase price works out to be $206.19 per square foot.

There were not many new homes in that size range in the area for comparison. I considered 126 Bethany Trace that sold on April 14, 2023 for $300,000 for a 1,385 s.f. home with 2 car garage, 3 BR and 2 BA built in 2023 on 0.26 acres. The purchase price works out to $216.61 per s.f. This is a little higher than the subject property, but it is also 215 s.f. smaller, which would suggest a slightly higher price per s.f. This home is on a smaller lot but also sold for $10,000 less than asking price and was on the market for 3 months before closing. I will not rely heavily on this comparison as I only found this one comparable sale of a new home in a similar time frame.

Merriwood Development, LLC purchased 15 lots along Elmwood Court on May 18, 2023 for $750,000, or $50,000 per lot. These lots were developed in 2022/2023 by Wimbledon Holdings and WRH Investments following the purchase of the raw land on March 25, 2022. The raw land was purchased for development after the solar farm was approved and the subdivision infrastructure was developed during the construction of the solar farm. The developer clearly foresaw no negative impact on the property from the solar farm or they would not have invested in the development. The sales price is not a good indication of market value as Wimbledon and Merriwood are noted as related entities.

I searched for recent lot sales in the area and found 1 to 3 acre lots to the northeast selling for $15,000 to $30,000 each. The lots at Merriwood are in close proximity to Garrard County High School off Industry Road.

Lot 96 sold to Robert and Avonda Noe on January 24, 2023 for $44,900 and was subsequently developed with a single family home. This lot directly adjoins the solar farm with the nearest panel 625 feet away. The panels appear to be visible in the background of the tax card photo.



Lot 97 sold to Michael and Jill Stevens on July 28, 2023 for $60,800. This lot directly adjoins the solar farm with a likely home site 820 feet from the nearest panel.

Lot 98 was sold to Walter and Hannah Hulett for $1 as an entity related to Wimbledon Holdings. This is the home visible in the map just underneath the word Elmwood Court. The Huletts are WRH Investments, LLC that developed the site with Wimbledon Holdings, LLC.

Lot 100 sold on July 28, 2023 to Jimmie McCulley for $39,900. This lot does not directly adjoin the solar farm.

Lot 101 sold on November 22, 2023 to Willie and Tiffany Skeens for $50,000. This lot directly adjoins the solar farm with a likely home site 450 feet from the nearest panel.

Additional lots were transferred to Elmwood Builders, LLC that is noted as affiliated with Merriwood Development, LLC for $1 each.

The various lot prices range from $39,900 to $60,800 with the low end of the range being a lot non-adjacent to the solar farm and the high end being adjacent to the solar farm. The sales data on the lots do not support any finding of a negative impact on property value. Comparing the most common lot value of $50,000 per lot suggests an impact range of -10% for Lot 96 that sold for $44,900 to +22% for Lot 97 that sold for $60,800. Those two lots are adjacent to each other. Blending the two impacts suggests a 12% enhancement for adjoining the solar farm. But given the wide ranges of lot values in this development, I consider this to simply support a finding of no impact on property value.


28C-03-006.04
28C-03-004
28C-03-006.11
ORCHARD WAY
ELMWOOD CT
28C-03-006.10
28C-03-006.09
35-77
35-78
CRAB ORCHARD RD
35-80
28-113
28-112
28-103.01
CURRY WAY
28-103

4. Mount Olive Creek Solar, Russell Springs, Russell County, KY



This project is proposed to be built by 2025 on 420.82 acres out of a parent tract assemblage of 526.02 acres for this 60 MW project.

I identified a home sale at 2985 KY-1729 that sold on December 2, 2022 for $150,000. This home is around 1,250 feet from the nearest panel which is located to the northeast and through the intersection of Sano Road and Sulphur Creek Road (Highway 1729). It fronts on the highway and adjoins a church. Given these various issues, it would be difficult to complete a paired sales analysis on this home. However, this home did sell on September 18, 2018 for $110,000 prior to the solar farm construction. Adjusting this purchase price upward by the FHFA Home Price Index for the area, this home would have been expected to appreciate to $158,000. This was within 5% of the anticipated sales price and supports a finding of no impact on property value. Still given the distance to the solar farm and the other factors, I will not rely heavily on this indicator.

5. E. W. Brown Solar, Harrodsburg, KY

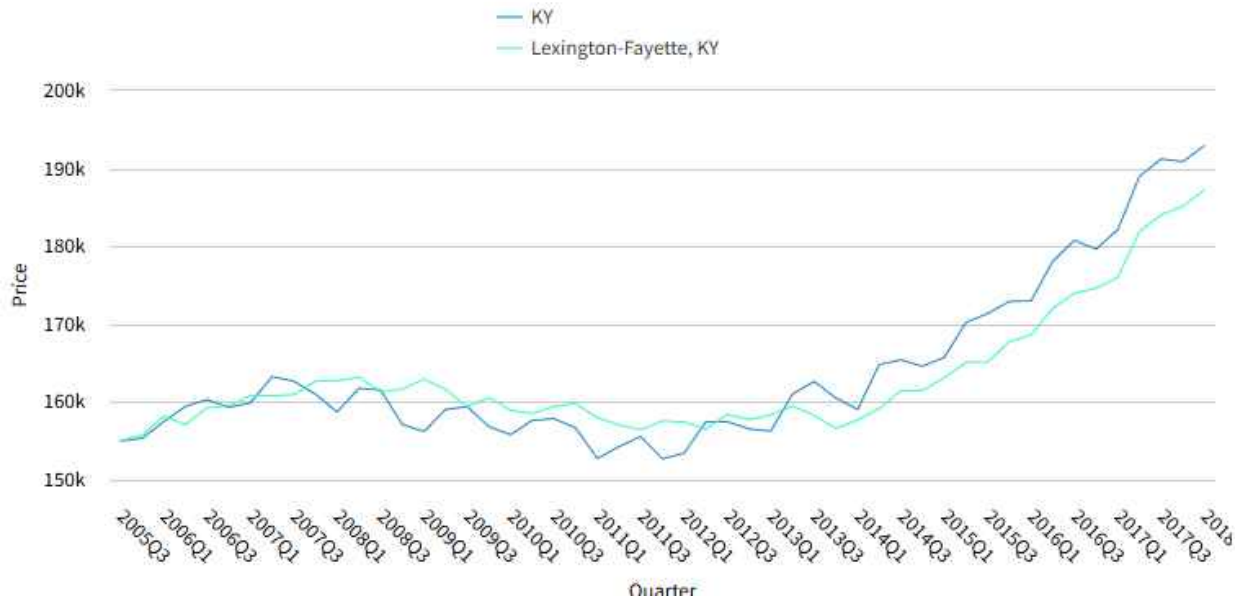


This project was built in 2016 on 50 acres for a 10 MW project. This solar facility adjoins three coal-fired units shown to the north which makes it difficult to do a paired sales analysis on the nearby homes. I have however considered Sale/Resale analysis as the impact of the nearby coal power plant as well as the impact of the river frontage is the same in both sales prices, which leaves the primary difference of the solar project as what we are testing for.

A home at 837 Hardin Hts sold on September 12, 2005 for $155,000 before the solar project and sold again on March 29, 2018 for $212,500 after the solar farm was built. The tax assessor identified both of these sales at Arms-Length transactions. Over that time period, the FHFA HPI indicates that a home that sold in 2005 in the area for $155,000 would be expected to appreciate to $187,274. This strongly supports a finding of no impact on this home value due to the solar project. The river frontage and the proximity to the power plant was the same in both the before and after. The solar panels are 1,015 feet from the nearest point on this home.

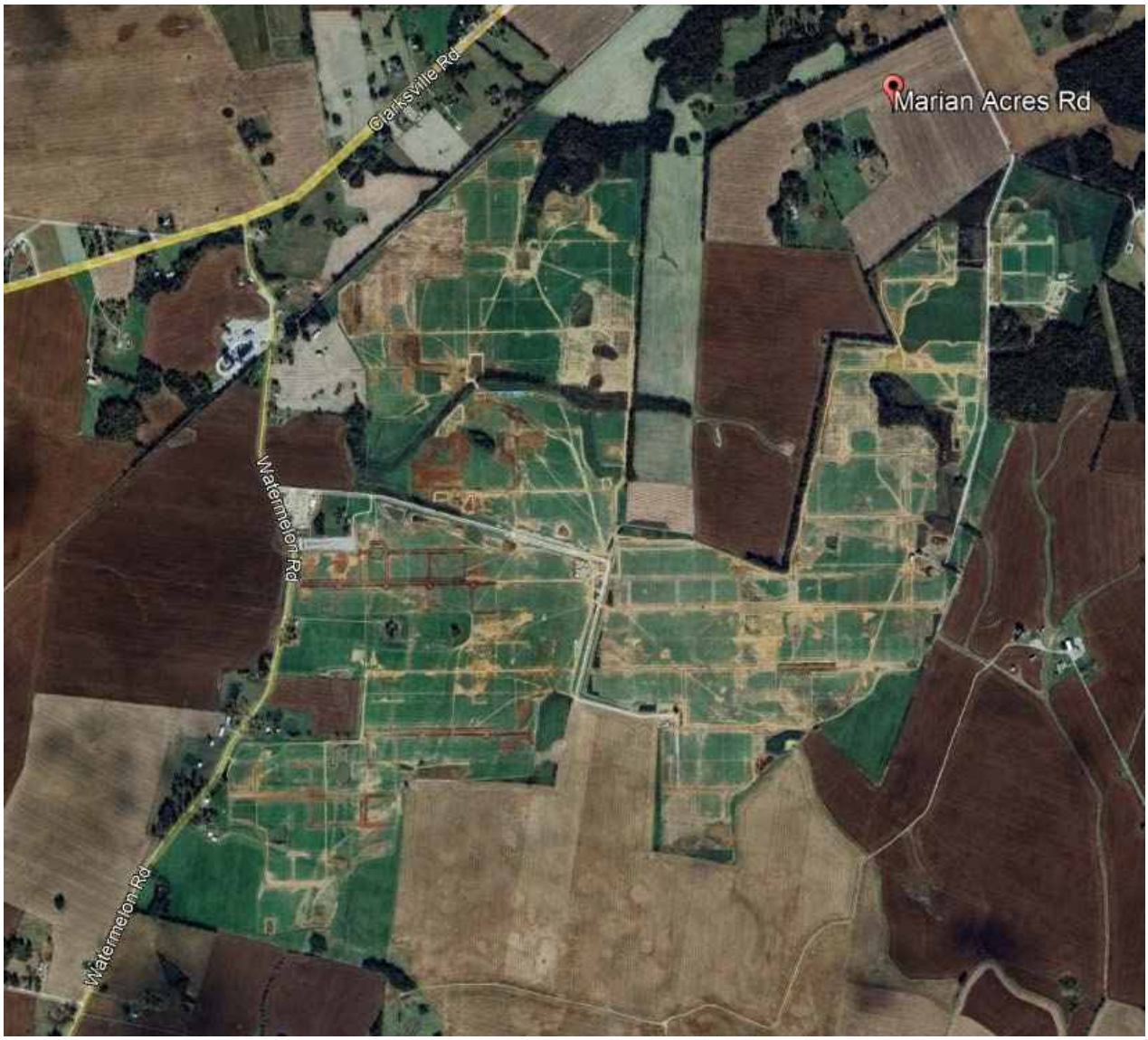
I will not rely heavily on this indicator, but it is included for additional information.

Estimated Value for MSA: $187,274	Estimated Value for State: $192,956	MSA Percentage Change: 20.82%



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6. Logan County Solar, Russelville, Logan County, KY



This project began construction in 2023 and proposed to be complete in early 2025. It is located on 1,100 acres for a 173 MW project.

I identified a May 17, 2022 sale of 528 Watermelon Road for $275,000 for a home on 1.29 acres with 2,370 s.f. with 3 BR and 2 BR built in 1940 with 2 carport spaces. This homes is 1,460 feet from the nearest panel through an existing wooded patch. The distance and age makes it difficult to compare this home in this area to similar properties for a paired sale analysis. This home last sold on September 12, 2016 for $149,000. Using the FHFA Home Price Index the anticipated appreciated value as of the date of the most recent sale was expected to be $234,000. This Sale/Resale analysis suggests a 17.5% increase in value due to the solar farm.

I also identified 557 J Montgomery Road that sold on December 8, 2021 for $185,000 for a 4 BR, 2 BA with 2,200 s.f. of living space on 1 acre that was built in 1980. This home has a pool that is noted as needing work but was otherwise in average condition. I spoke with Dewayne Whittaker the listing agent who indicated that the proposed nearby solar farm had no impact on the sales price or marketing of the home. This home previously sold on May 5, 2016 for $114,000 and also on June 17, 2008 for $125,000. The 2008 sales price was higher than the 2016 due to the crash in the

housing market in 2008. Adjusting each of these former sales to a December 2021 value expectation based on the FHFA Home Price Index, I derive expectations of $174,000 from the 2016 sale and $210,000 from the 2008 sale. The Sale/Resale difference from the 2008 sale is considered more reliable as it covers a shorter period of time. It shows a 6% increase in value over the expected value and supports a mild increase in value due to the adjacency to the solar farm. This home is over 1,900 feet to the nearest panel through existing woods. Given the distance involved this is not a strong indicator for properties closer to solar panels.

Similarly, 263 Donald Lane sold on October 3, 2022 for $263,400 for a brick ranch with 4 BR, 2.5 BA with 1,704 s.f. of living area on 5 acres. This home is about 1400 feet from the nearest panel through existing woods. This home previously sold in May 2010 for $141,000. Adjusting this for time using the FHFA HPI, I derive an expected value of $262,000. This is within 1% of the actual closed price and strongly supports a finding of no impact at this distance. It is not a strong indicator for properties closer to panels.

7. Mulberry, Selmer, McNairy County, TN



This 16 MW solar farm was built in 2014 on 208.89 acres with the closest home being 480 feet.

This solar farm adjoins two subdivisions with Central Hills having a mix of existing and new construction homes. Lots in this development have been marketed for $15,000 each with discounts offered for multiple lots being used for a single home site. I spoke with the agent with Rhonda Wheeler and Becky Hearnsberger with United County Farm & Home Realty who noted that they have seen no impact on lot or home sales due to the solar farm in this community.

I have included a map below as well as data on recent sales activity on lots that adjoin the solar farm or are near the solar farm in this subdivision both before and after the announced plan for this solar farm facility. I note that using the same method I used to breakdown the adjoining uses at the subject property I show that the predominant adjoining uses are residential and agricultural, which is consistent with the location of most solar farms.

Adjoining Use Breakdown

	Acreage	Parcels
Commercial	3.40%	0.034
Residential	12.84%	79.31%
Agri/Res	10.39%	3.45%
Agricultural	73.37%	13.79%
Total	**100.00%**	**100.00%**

I have run a number of direct matched comparisons on the sales adjoining this solar farm as shown below. These direct matched pairs include some of those shown above as well as additional more recent sales in this community. In each of these I have compared the one sale adjoining the solar farm to multiple similar homes nearby that do not adjoin a solar farm to look for any potential impact from the solar farm.

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other
3	Adjoins	491 Dusty	6.86	10/28/2016	$176,000	2009	1,801	$97.72	3/2	2-Gar	Ranch	
	Not	820 Lake Trail	1.00	6/8/2018	$168,000	2013	1,869	$89.89	4/2	2-Gar	Ranch	
	Not	262 Country	1.00	1/17/2018	$145,000	2000	1,860	$77.96	3/2	2-Gar	Ranch	
	Not	35 April	1.15	8/16/2016	$185,000	2016	1,980	$93.43	3/2	2-Gar	Ranch	

Adjoining Sales Adjusted

Parcel	Solar	Address	Time	Site	YB	GLA	Park	Other	Total	% Diff	Distance
3	Adjoins	491 Dusty							$176,000		480
	Not	820 Lake Trail	-$8,324	$12,000	-$3,360	-$4,890			$163,426	7%	
	Not	262 Country	-$5,450	$12,000	$6,525	-$3,680			$154,396	12%	
	Not	35 April	$1,138	$12,000	-$6,475	-$13,380			$178,283	-1%	
									Average	6%	

The best matched pair is 35 April Loop, which required the least adjustment and indicates a -1% increase in value due to the solar farm adjacency.

Adjoining Residential Sales After Solar Farm Built

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other
12	Adjoins	57 Cooper	1.20	2/26/2019	$163,000	2011	1,586	$102.77	3/2	2-Gar	1.5 Story	Pool
	Not	191 Amelia	1.00	8/3/2018	$132,000	2005	1,534	$86.05	3/2	Drive	Ranch	
	Not	75 April	0.85	3/17/2017	$134,000	2012	1,588	$84.38	3/2	2-Crprt	Ranch	
	Not	345 Woodland	1.15	12/29/2016	$131,000	2002	1,410	$92.91	3/2	1-Gar	Ranch	

Adjoining Sales Adjusted

Parcel	Solar	Address	Sales Price	Time	Site	YB	GLA	Park	Other	Total	% Diff	Distance
12	Adjoins	57 Cooper	$163,000							$163,000		685
	Not	191 Amelia	$132,000	$2,303		$3,960	$2,685	$10,000	$5,000	$155,947	4%	
	Not	75 April	$134,000	$8,029	$4,000	-$670	-$135	$5,000	$5,000	$155,224	5%	
	Not	345 Woodland	$131,000	$8,710		$5,895	$9,811		$5,000	$160,416	2%	
										Average	4%	

The best matched pair is 191 Amelia, which was most similar in time frame of sale and indicates a +4% increase in value due to the solar farm adjacency.

Adjoining Residential Sales After Solar Farm Built

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other
15	Adjoins	297 Country	1.00	9/30/2016	$150,000	2002	1,596	$93.98	3/2	4-Gar	Ranch	
	Not	185 Dusty	1.85	8/17/2015	$126,040	2009	1,463	$86.15	3/2	2-Gar	Ranch	
	Not	53 Glen	1.13	3/9/2017	$126,000	1999	1,475	$85.42	3/2	2-Gar	Ranch	Brick

Adjoining Sales Adjusted

Parcel	Solar	Address	Sales Price	Time	Site	YB	GLA	Park	Other	Total	% Diff	Distance
15	Adjoins	297 Country	$150,000							$150,000		650
	Not	185 Dusty	$126,040	$4,355		-$4,411	$9,167	$10,000		$145,150	3%	
	Not	53 Glen	$126,000	-$1,699		$1,890	$8,269	$10,000		$144,460	4%	
										Average	3%	

The best matched pair is 53 Glen, which was most similar in time frame of sale and required less adjustment. It indicates a +4% increase in value due to the solar farm adjacency.

The average indicated impact from these three sets of matched pairs is +4%, which suggests a mild positive relationship due to adjacency to the solar farm. The landscaping buffer for this project is mostly natural tree growth that was retained as part of the development but much of the trees separating the panels from homes are actually on the lots for the homes themselves. I therefore consider the landscaping buffer to be thin to moderate for these adjoining homes.

I have also looked at several lot sales in this subdivision as shown below.

These are all lots within the same community and the highest prices paid are for lots one parcel off from the existing solar farm. These prices are fairly inconsistent, though they do suggest about a $3,000 loss in the lots adjoining the solar farm. This is an atypical finding and additional details suggest there is more going on in these sales than the data crunching shows. First of all Parcel 4 was purchased by the owner of the adjoining home and therefore an atypical buyer seeking to expand a lot and the site is not being purchased for home development. Moreover, using the SiteToDoBusiness demographic tools, I found that the 1-mile radius around this development is expecting a total population increase over the next 5 years of 3 people. This lack of growing demand for lots is largely explained in that context. Furthermore, the fact that finished home sales as shown above are showing no sign of a negative impact on property value makes this data unreliable and inconsistent with the data shown in sales to an end user. I therefore place little weight on this outlier data.

Parcel	Solar	Address	Acres	Date Sold	Sales Price	4/18/2019 Adj for Time	$/AC	4/18/2019 Adj for Time
4	Adjoins	Shelter	2.05	10/25/2017	$16,000	$16,728	$7,805	$8,160
10	Adjoins	Carter	1.70	8/2/2018	$14,000	$14,306	$8,235	$8,415
11	Adjoins	Cooper	1.28	9/17/2018	$12,000	$12,215	$9,375	$9,543
	Not	75 Dusty	1.67	4/18/2019	$20,000	$20,000	$11,976	$11,976
	Not	Lake Trl	1.47	11/7/2018	$13,000	$13,177	$8,844	$8,964
	Not	Lake Trl	1.67	4/18/2019	$20,000	$20,000	$11,976	$11,976

	Adjoins	Per Acre	Not Adjoins	Per Acre	% DIF/Lot	% DIF/AC
Average	$14,416	$8,706	$17,726	$10,972	19%	21%
Median	$14,306	$8,415	$20,000	$11,976	28%	30%
High	$16,728	$9,543	$20,000	$11,976	16%	20%
Low	$12,215	$8,160	$13,177	$8,964	7%	9%

8. Grand Ridge Solar, Streator, LaSalle County, IL



This solar farm has a 20 MW output and is located on a 160-acre tract. The project was built in 2012.

I have considered the recent sale of Parcel 13 shown above, which sold in October 2016 after the solar farm was built. I have compared that sale to a number of nearby residential sales not in proximity to the solar farm as shown below. Parcel 13 is 480 feet from the closest solar panel. The landscaping buffer is considered light.

Adjoining Residential Sales After Solar Farm Completed

#	TAX ID	Acres	Date Sold	Sales Price	Built	GBA	$/GBA
13	34-21-237-000	2	Oct-16	$186,000	1997	2,328	$79.90

Not Adjoining Residential Sales After Solar Farm Completed

#	TAX ID	Acres	Date Sold	Sales Price	Built	GBA	$/GBA
712 Columbus Rd	32-39-134-005	1.26	Jun-16	$166,000	1950	2,100	$79.05
504 N 2782 Rd	18-13-115-000	2.68	Oct-12	$154,000	1980	2,800	$55.00
7720 S Dwight Rd	11-09-300-004	1.14	Nov-16	$191,000	1919	2,772	$68.90
701 N 2050th Rd	26-20-105-000	1.97	Aug-13	$200,000	2000	2,200	$90.91
9955 E 1600th St	04-13-200-007	1.98	May-13	$181,858	1991	2,600	$69.95

TAX ID	Date Sold	Adjustments Time	Adjustments Total	$/Sf
34-21-237-000	Oct-16		$186,000	$79.90
32-39-134-005	Jun-16		$166,000	$79.05
18-13-115-000	Oct-12	$12,320	$166,320	$59.40
11-09-300-004	Nov-16		$191,000	$68.90
26-20-105-000	Aug-13	$12,000	$212,000	$96.36
04-13-200-007	May-13	$10,911	$192,769	$74.14

	Adjoins Solar Farm		Not Adjoin Solar Farm	
	Average	Median	Average	Median
Sales Price/SF	$79.90	$79.90	$75.57	$74.14
GBA	2,328	2,328	2,494	2,600

Based on the matched pairs I find no indication of negative impact due to proximity to the solar farm.

The most similar comparable is the home on Columbus that sold for $79.05 per square foot. This is higher than the median rate for all of the comparables. Applying that price per square foot to the subject property square footage indicates a value of $184,000.

There is minimal landscaping separating this solar farm from nearby properties and is therefore considered light.

9. Portage Solar, Portage, Porter County, IN



This solar farm has a 2 MW output and is located on a portion of a 56-acre tract. The project was built in 2012. As can be seen by the more recent map, Lennar Homes is now developing a new subdivision on the vacant land just west of this solar farm.

I have considered the recent sale of Parcels 5 and 12. Parcel 5 is an undeveloped tract, while Parcel 12 is a residential home. I have compared each to a set of comparable sales to determine if there was any impact due to the adjoining solar farm. This home is 1,320 feet from the closest solar panel. The landscaping buffer is considered light.

Adjoining Residential Sales After Solar Farm Completed

#	TAX ID	Acres	Date Sold	Sales Price	Built	GBA	$/GBA
12	64-06-19-326-007.000-015	1.00	Sep-13	$149,800	1964	1,776	$84.35

Nearby Residential Sales After Solar Farm Completed

#	TAX ID	Acres	Date Sold	Sales Price	Built	GBA	$/GBA
2501 Architect Dr	64-04-32-202-004.000-021	1.31	Nov-15	$191,500	1959	2,064	$92.78
336 E 1050 N	64-07-09-326-003.000-005	1.07	Jan-13	$155,000	1980	1,908	$81.24
2572 Pryor Rd	64-05-14-204-006.000-016	1.00	Jan-16	$216,000	1960	2,348	$91.99

Adjoining Land Sales After Solar Farm Completed

#	TAX ID	Acres	Date Sold	Sales Price	$/AC
5	64-06-19-200-003.000-015	18.70	Feb-14	$149,600	$8,000

Nearby Land Sales After Solar Farm Completed

#	TAX ID	Acres	Date Sold	Sales Price	$/AC
	64-07-22-401-001.000-005	74.35	Jun-17	$520,450	$7,000
	64-15-08-200-010.000-001	15.02	Jan-17	$115,000	$7,658

Residential Sale Adjustment Chart

		Adjustments		
TAX ID	Date Sold	Time	Total	$/Sf
64-06-19-326-007.000-015	Sep-13	$8,988	$158,788	$89.41
64-04-32-202-004.000-021	Nov-15	$3,830	$195,330	$94.64
64-07-09-326-003.000-005	Jan-13	$9,300	$164,300	$86.11
64-05-14-204-006.000-016	Jan-16		$216,000	$91.99

2% adjustment/year
Adjusted to 2017

	Adjoins Solar Farm		Not Adjoin Solar Farm	
	Average	Median	Average	Median
Sales Price/SF	$89.41	$89.41	$90.91	$91.99
GBA	1,776	1,776	2,107	2,064

After adjusting the price per square foot is 2.88% less for the home adjoining the solar farm versus those not adjoining the solar farm. This is within the typical range of variation to be anticipated in any real estate transaction and indicates no impact on property value.

Applying the price per square foot for the 336 E 1050 N sale, which is the most similar to the Parcel 12 sale, the adjusted price at $81.24 per square foot applied to the Parcel 12 square footage yields a value of $144,282.

The landscaping separating this solar farm from the homes is considered light.

Land Sale Adjustment Chart

		Adjustments		
TAX ID	**Date Sold**	**Time**	**Total**	**$/Acre**
64-06-19-200-003.000-015	Feb-14	$8,976	$158,576	$8,480
64-07-22-401-001.000-005	Jun-17		$520,450	$7,000
64-15-08-200-010.000-001	Jan-17		$115,000	$7,658

2% adjustment/year
Adjusted to 2017

	Adjoins Solar Farm		**Not Adjoin Solar Farm**	
	Average	**Median**	**Average**	**Median**
Sales Price/Ac	$8,480	$8,480	$7,329	$7,329
Acres	18.70	18.70	44.68	44.68

After adjusting the price per acre is higher for the property adjoining the solar farm, but the average and median size considered is higher which suggests a slight discount. This set of matched pair supports no indication of negative impact due to the adjoining solar farm.

Alternatively, adjusting the 2017 sales back to 2014 I derive an indicated price per acre for the comparables at $6,580 per acre to $7,198 per acre, which I compare to the unadjusted subject property sale at $8,000 per acre.

10. Dominion Indy III, Indianapolis, Marion County, IN



This solar farm has an 8.6 MW output and is located on a portion of a 134-acre tract. The project was built in 2013.

There are a number of homes on small lots located along the northern boundary and I have considered several sales of these homes. I have compared those homes to a set of nearby not adjoining home sales as shown below. The adjoining homes that sold range from 380 to 420 feet from the nearest solar panel, with an average of 400 feet. The landscaping buffer is considered light.

Adjoining Residential Sales After Solar Farm Completed

#	TAX ID	Acres	Date Sold	Sales Price	Built	GBA	$/GBA
2	2013249	0.38	12/9/2015	$140,000	2006	2,412	$58.04
4	2013251	0.23	9/6/2017	$160,000	2006	2,412	$66.33
5	2013252	0.23	5/10/2017	$147,000	2009	2,028	$72.49
11	2013258	0.23	12/9/2015	$131,750	2011	2,190	$60.16
13	2013260	0.23	3/4/2015	$127,000	2005	2,080	$61.06
14	2013261	0.23	2/3/2014	$120,000	2010	2,136	$56.18

Nearby Not Adjoining Residential Sales After Solar Farm Completed

#	TAX ID	Acres	Date Sold	Sales Price	Built	GBA	$/GBA
5836 Sable Dr	2013277	0.14	Jun-16	$141,000	2005	2,280	$61.84
5928 Mosaic Pl	2013845	0.17	Sep-15	$145,000	2007	2,280	$63.60
5904 Minden Dr	2012912	0.16	May-16	$130,000	2004	2,252	$57.73
5910 Mosaic Pl	2000178	0.15	Aug-16	$146,000	2009	2,360	$61.86
5723 Minden Dr	2012866	0.26	Nov-16	$139,900	2005	2,492	$56.14

		Adjustments		
TAX ID	Date Sold	Time	Total	$/Sf
2013249	12/9/2015	$5,600	$145,600	$60.36
2013251	9/6/2017		$160,000	$66.33
2013252	5/10/2017		$147,000	$72.49
2013258	12/9/2015	$5,270	$137,020	$62.57
2013260	3/4/2015	$5,080	$132,080	$63.50
2013261	2/3/2014	$7,200	$127,200	$59.55
2013277	6/1/2016	$2,820	$143,820	$63.08
2013845	9/1/2015	$5,800	$150,800	$66.14
2012912	5/1/2016	$2,600	$132,600	$58.88
2000178	8/1/2016	$2,920	$148,920	$63.10
2012866	11/1/2016	$2,798	$142,698	$57.26

2% adjustment/year
Adjusted to 2017

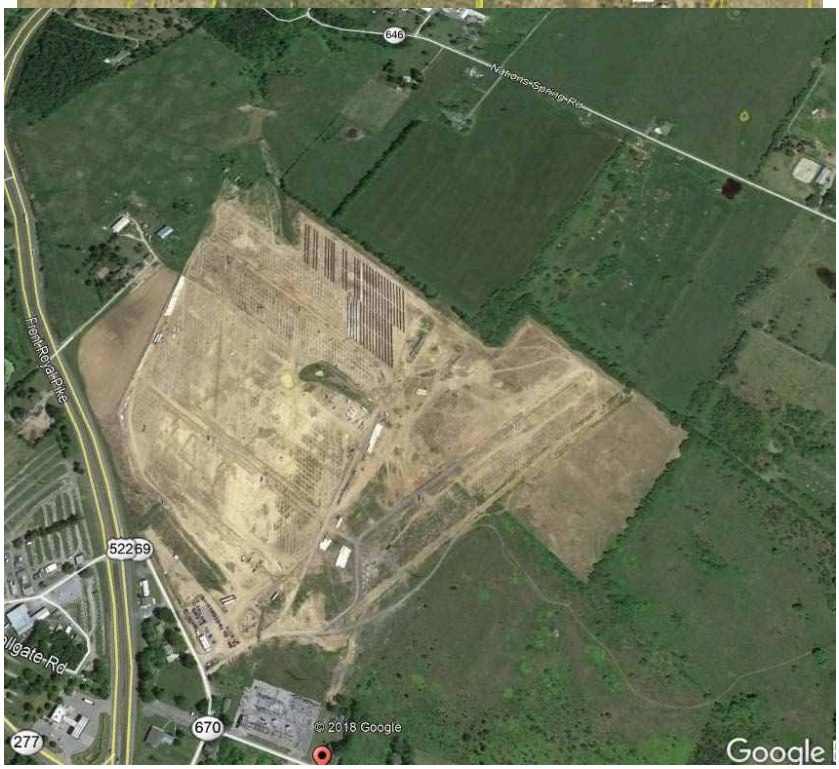
	Adjoins Solar Farm		Not Adjoin Solar Farm	
	Average	Median	Average	Median
Sales Price/SF	$64.13	$63.03	$61.69	$63.08
GBA	2,210	2,163	2,333	2,280

This set of homes provides very strong indication of no impact due to the adjacency to the solar farm and includes a large selection of homes both adjoining and not adjoining in the analysis.

The landscaping screen is considered light in relation to the homes considered above.

11. Clarke County Solar, Double Tollgate Road, White Post, Clarke County, VA





This project is a 20 MW facility located on a 234-acre tract that was built in 2017.

I have considered a recent sale or Parcel 3. The home on this parcel is 1,230 feet from the closest panel as measured in the second map from Google Earth, which shows the solar farm under construction.

I've compared this home sale to a number of similar rural homes on similar parcels as shown below. I have used multiple sales that bracket the subject property in terms of sale date, year built, gross living area, bedrooms and bathrooms. Bracketing the parameters insures that all factors are well balanced out in the adjustments. The trend for these sales shows a positive value for the adjacency to the solar farm.

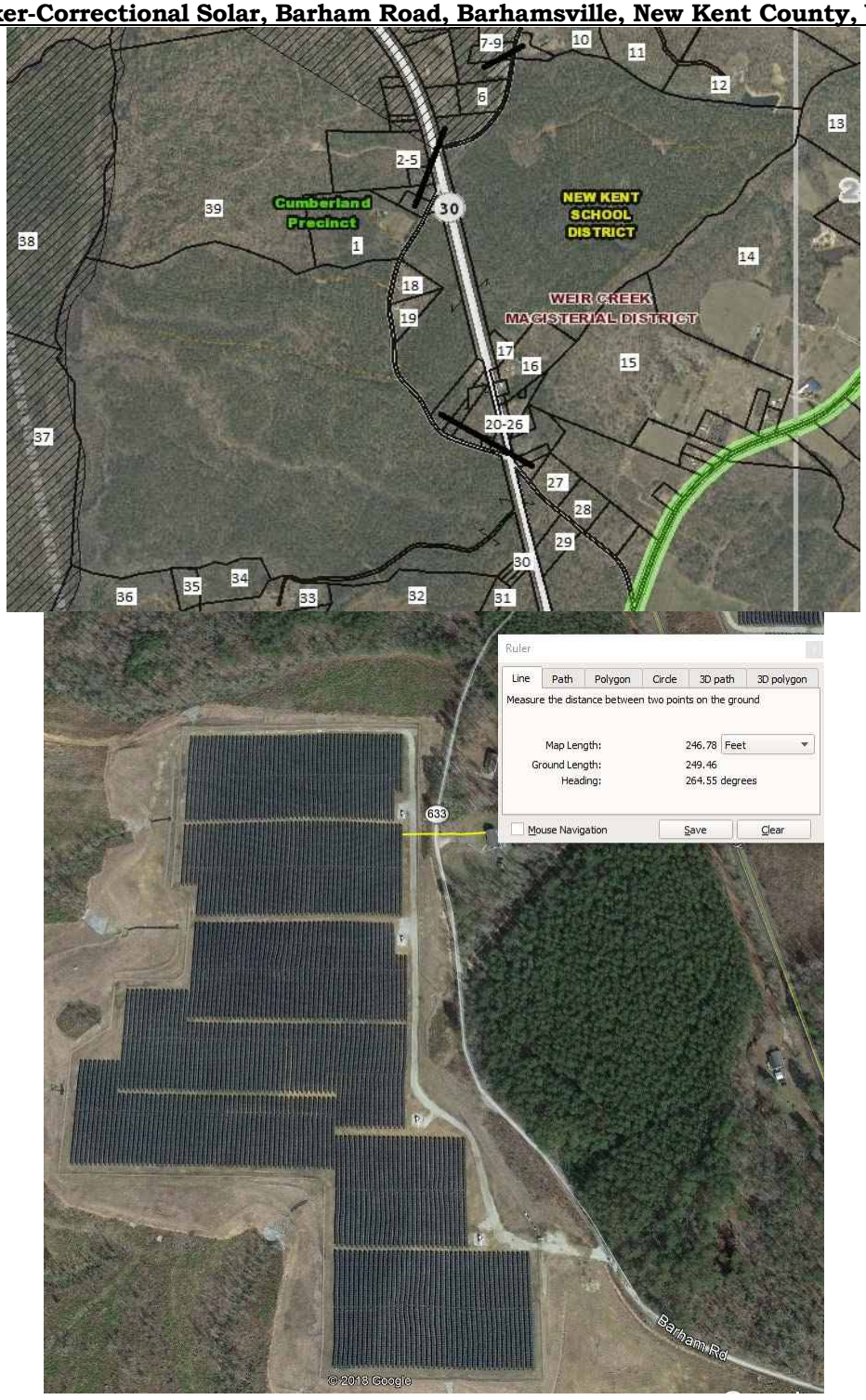
Adjoining Residential Sales After Solar Farm Approved

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other
Adjoins	833 Nations Spr	5.13	1/9/2017	$295,000	1979	1,392	$211.93	3/2	Det Gar	Ranch	Unfin bsmt
Not	85 Ashby	5.09	9/11/2017	$315,000	1982	2,333	$135.02	3/2	2 Gar	Ranch	
Not	541 Old Kitchen	5.07	9/9/2018	$370,000	1986	3,157	$117.20	4/4	2 Gar	2 story	
Not	4174 Rockland	5.06	1/2/2017	$300,000	1990	1,688	$177.73	3/2	3 Gar	2 story	
Not	400 Sugar Hill	1.00	6/7/2018	$180,000	1975	1,008	$178.57	3/1	Drive	Ranch	

Adjoining Residential Sales After Solar Farm Approved					Adjoining Sales Adjusted								
Solar	Address	Acres	Date Sold	Sales Price	Time	Acres	YB	GLA	BR/BA	Park	Other	Total	% Diff
Adjoins	833 Nations Spr	5.13	1/9/2017	$295,000								$295,000	
Not	85 Ashby	5.09	9/11/2017	$315,000	-$6,300		-$6,615	-$38,116		-$7,000	$15,000	$271,969	8%
Not	541 Old Kitchen	5.07	9/9/2018	$370,000	-$18,500		-$18,130	-$62,057		-$7,000	$15,000	$279,313	5%
Not	4174 Rockland	5.06	1/2/2017	$300,000			-$23,100	-$15,782		-$12,000	$15,000	$264,118	10%
Not	400 Sugar Hill	1.00	6/7/2018	$180,000	-$9,000	$43,000	$5,040	$20,571	$10,000	$3,000	$15,000	$267,611	9%
											Average		8%

The landscaping screen is primarily a newly planted buffer with a row of existing trees being maintained near the northern boundary and considered light.

12. Walker-Correctional Solar, Barham Road, Barhamsville, New Kent County, VA



This project was built in 2017 and located on 484.65 acres for a 20 MW with the closest home at 110 feet from the closest solar panel with an average distance of 500 feet.

I considered the recent sale identified on the map above as Parcel 19, which is directly across the street and based on the map shown on the following page is 250 feet from the closest panel. A limited buffering remains along the road with natural growth being encouraged, but currently the panels are visible from the road. Alex Uminski, SRA with MGMiller Valuations in Richmond VA

confirmed this sale with the buying and selling broker. The selling broker indicated that the solar farm was not a negative influence on this sale and in fact the buyer noticed the solar farm and then discovered the listing. The privacy being afforded by the solar farm was considered a benefit by the buyer. I used a matched pair analysis with a similar sale nearby as shown below and found no negative impact on the sales price. Property actually closed for more than the asking price. The landscaping buffer is considered light.

Adjoining Residential Sales After Solar Farm Approved

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other
Adjoins	5241 Barham	2.65	10/18/2018	$264,000	2007	1,660	$159.04	3/2	Drive	Ranch	Modular
Not	17950 New Kent	5.00	9/5/2018	$290,000	1987	1,756	$165.15	3/2.5	3 Gar	Ranch	
Not	9252 Ordinary	4.00	6/13/2019	$277,000	2001	1,610	$172.05	3/2	1.5-Gar	Ranch	
Not	2416 W Miller	1.04	9/24/2018	$299,000	1999	1,864	$160.41	3/2.5	Gar	Ranch	

Adjoining Sales Adjusted

Solar	Address	Time	Ac/Loc	YB	GLA	BR/BA	Park	Other	Total	% Diff	Dist
Adjoins	5241 Barham								$264,000		250
Not	17950 New Kent		-$8,000	$29,000	-$4,756	-$5,000	-$20,000	-$15,000	$266,244	-1%	
Not	9252 Ordinary	-$8,310	-$8,000	$8,310	$2,581		-$10,000	-$15,000	$246,581	7%	
Not	2416 W Miller		$8,000	$11,960	-$9,817	-$5,000	-$10,000	-$15,000	$279,143	-6%	
								Average Diff		0%	

I also spoke with Patrick W. McCrerey of Virginia Estates who was marketing a property that sold at 5300 Barham Road adjoining the Walker-Correctional Solar Farm. He indicated that this property was unique with a home built in 1882 and heavily renovated and updated on 16.02 acres. The solar farm was through the woods and couldn't be seen by this property and it had no impact on marketing this property. This home sold on April 26, 2017 for $358,000. I did not set up any matched pairs for this property as it was such a unique property that any such comparison would be difficult to rely on. The broker's comments do support the assertion that the adjoining solar farm had no impact on value. The home in this case was 510 feet from the closest panel.

13. Sappony Solar, Stony Creek, Sussex County, VA





This project is a 30 MW facility located on a 322.68-acre tract that was built in the fourth quarter of 2017.

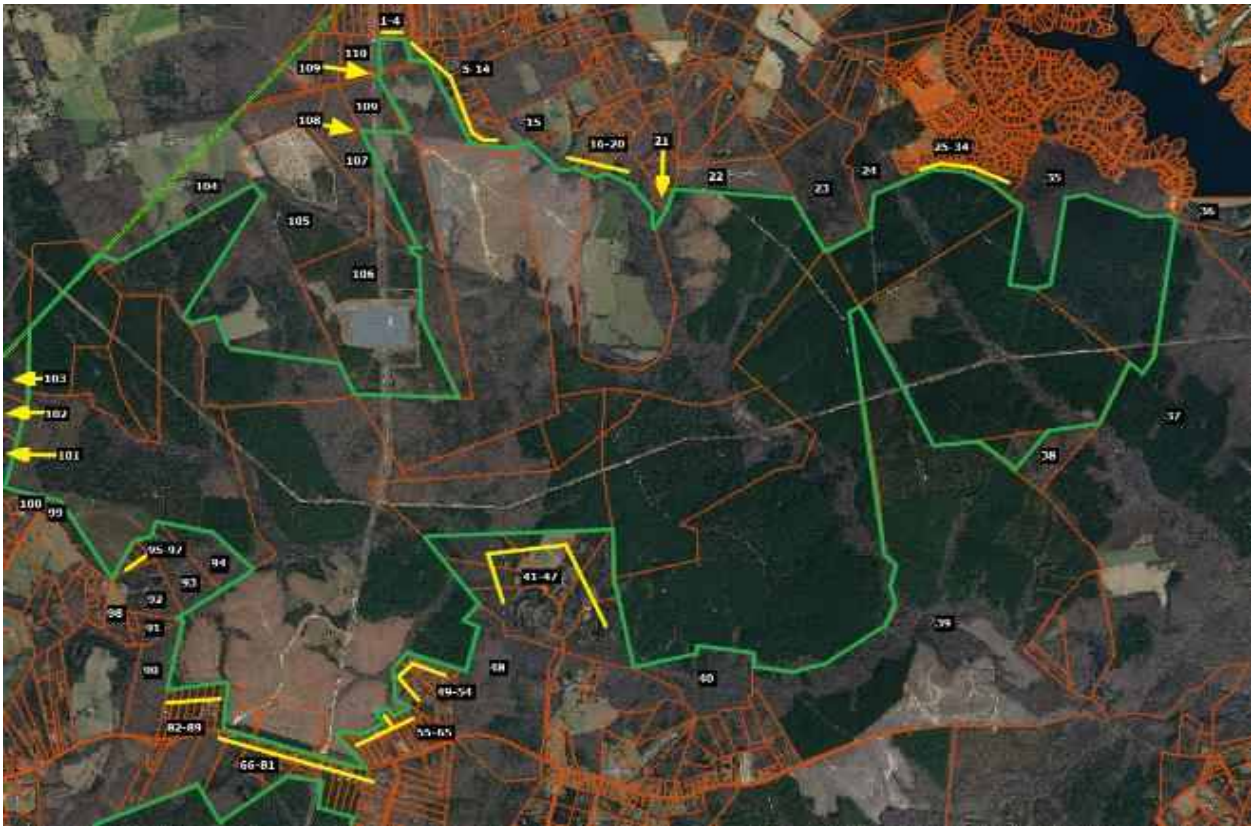
I have considered the 2018 sale of Parcel 17 as shown below. From Parcel 17 the retained trees and setbacks are a light to medium landscaped buffer.

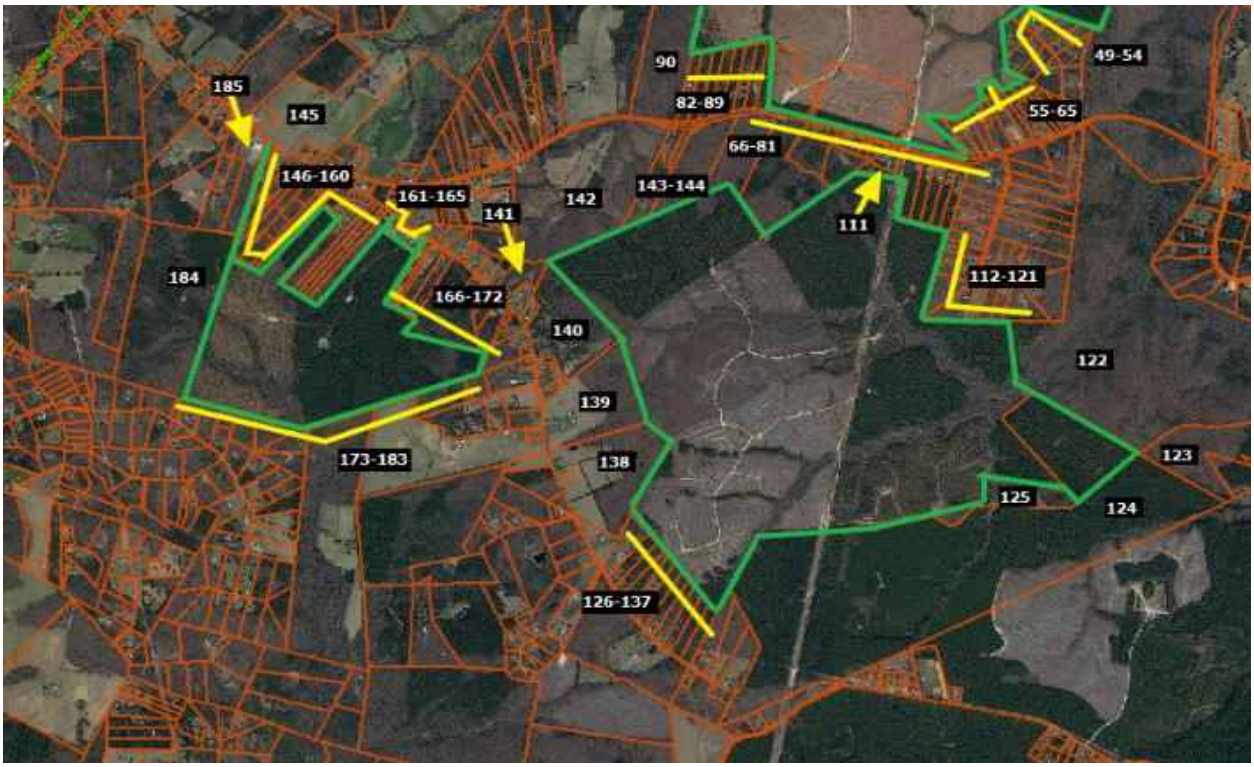
Adjoining Residential Sales After Solar Farm Approved

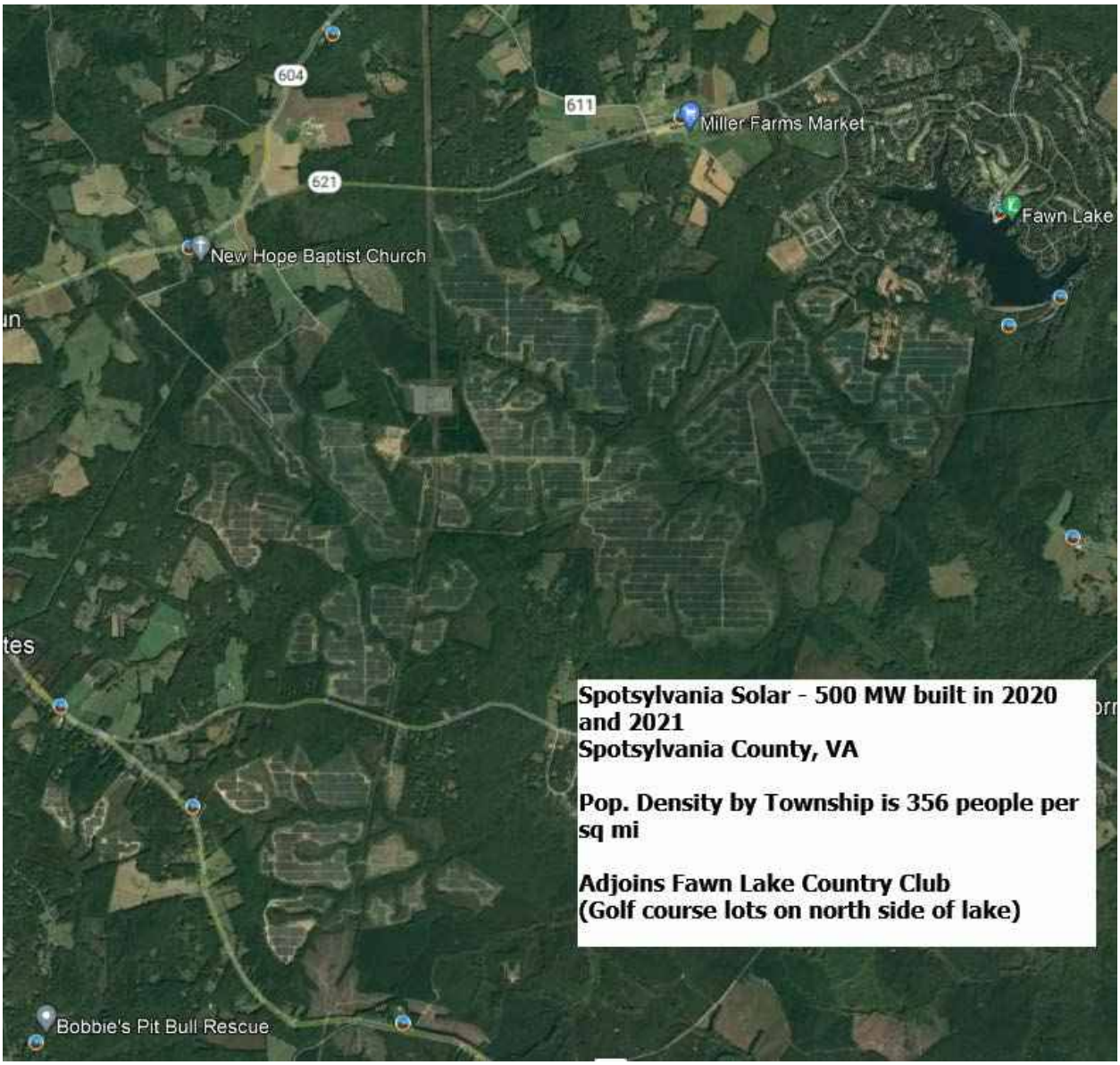
Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
	Adjoins	12511 Palestine	6.00	7/31/2018	$128,400	2013	1,900	$67.58	4/2.5	Open	Manuf	
	Not	15698 Concord	3.92	7/31/2018	$150,000	2010	2,310	$64.94	4/2	Open	Manuf	Fence
	Not	23209 Sussex	1.03	7/7/2020	$95,000	2005	1,675	$56.72	3/2	Det Crpt	Manuf	
	Not	6494 Rocky Br	4.07	11/8/2018	$100,000	2004	1,405	$71.17	3/2	Open	Manuf	

Adjoining Sales Adjusted									Avg	
Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	% Diff	Distance
							$128,400			1425
$0		$2,250	-$21,299	$5,000			$135,951	-6%		
-$5,660	$13,000	$3,800	$10,209	$5,000	$1,500		$122,849	4%		
-$843		$4,500	$28,185				$131,842	-3%		
									-1%	

14. Spotsylvania Solar, Paytes, Spotsylvania County, VA







This solar farm is being built in four phases with the area known as Site C having completed construction in November 2020 after the entire project was approved in April 2019. Site C, also known as Pleinmont 1 Solar, includes 99.6 MW located in the southeast corner of the project and shown on the maps above with adjoining parcels 111 through 144. The entire Spotsylvania project totals 617 MW on 3500 acres out of a parent tract assemblage of 6,412 acres.

I have identified three adjoining home sales that occurred during construction and development of the site in 2020.

The first is located on the north side of Site A on Orange Plank Road. The second is located on Nottoway Lane just north of Caparthin Road on the south side of Site A and east of Site C. The third is located on Post Oak Road for a home that backs up to Site C that sold in September 2020 near the completion of construction for Site C.

Spotsylvania Solar Farm

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other
Adjoins	12901 Orng Plnk	5.20	8/27/2020	$319,900	1984	1,714	$186.64	3/2	Drive	1.5	Un Bsmt
Not	8353 Gold Dale	3.00	1/27/2021	$415,000	2004	2,064	$201.07	3/2	3 Gar	Ranch	
Not	6488 Southfork	7.26	9/9/2020	$375,000	2017	1,680	$223.21	3/2	2 Gar	1.5	Barn/Patio
Not	12717 Flintlock	0.47	12/2/2020	$290,000	1990	1,592	$182.16	3/2.5	Det Gar	Ranch	

Adjoining Sales Adjusted

Address	Time	Ac/Loc	YB	GLA	BR/BA	Park	Other	Total	% Diff	Dist
12901 Orng Plnk								$319,900		1270
8353 Gold Dale	-$5,219	$20,000	-$41,500	-$56,298		-$20,000		$311,983	2%	
6488 Southfork	-$401	-$20,000	-$61,875	$6,071		-$15,000		$283,796	11%	
12717 Flintlock	-$2,312	$40,000	-$8,700	$17,779	-$5,000	-$5,000		$326,767	-2%	
							Average Diff		4%	

I contacted Keith Snider to confirm this sale. This is considered to have a medium landscaping screen.

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other
Adjoins	9641 Nottoway	11.00	5/12/2020	$449,900	2004	3,186	$141.21	4/2.5	Garage	2-Story	Un Bsmt
Not	26123 Lafayette	1.00	8/3/2020	$390,000	2006	3,142	$124.12	3/3.5	Gar/DtG	2-Story	
Not	11626 Forest	5.00	8/10/2020	$489,900	2017	3,350	$146.24	4/3.5	2 Gar	2-Story	
Not	10304 Pny Brnch	6.00	7/27/2020	$485,000	1998	3,076	$157.67	4/4	2Gar/Dt2	Ranch	Fn Bsmt

Adjoining Sales Adjusted

Address	Time	Ac/Loc	YB	GLA	BR/BA	Park	Other	Total	% Diff	Dist
9641 Nottoway								$449,900		1950
26123 Lafayette	-$2,661	$45,000	-$3,900	$4,369	-$10,000	-$5,000		$417,809	7%	
11626 Forest	-$3,624		-$31,844	-$19,187		-$5,000		$430,246	4%	
10304 Pny Brnch	-$3,030		$14,550	$13,875	-$15,000	-$15,000	-$10,000	$470,396	-5%	
							Average Diff		2%	

I contacted Annette Roberts with ReMax about this transaction. This is considered to have a medium landscaping screen.

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other
Adjoins	13353 Post Oak	5.20	9/21/2020	$300,000	1992	2,400	$125.00	4/3	Drive	2-Story	Fn Bsmt
Not	9609 Logan Hgt	5.86	7/4/2019	$330,000	2004	2,352	$140.31	3/2	2Gar	2-Story	
Not	12810 Catharpian	6.18	1/30/2020	$280,000	2008	2,240	$125.00	4/2.5	Drive	2-Story	Bsmt/Nd Pnt
Not	10725 Rbrt Lee	5.01	10/26/2020	$295,000	1995	2,166	$136.20	4/3	Gar	2-Story	Fn Bsmt

Adjoining Sales Adjusted

Address	Time	Ac/Loc	YB	GLA	BR/BA	Park	Other	Total	% Diff	Dist
13353 Post Oak								$300,000		1171
9609 Logan Hgt	$12,070		-$19,800	$5,388		-$15,000	$15,000	$327,658	-9%	
12810 Catharpian	$5,408		-$22,400	$16,000	$5,000		$15,000	$299,008	0%	
10725 Rbrt Lee	-$849		-$4,425	$25,496		-$10,000		$305,222	-2%	
							Average Diff		-4%	

I contacted Joy Pearson with CTI Real Estate about this transaction. This is considered to have a heavy landscaping screen.

All three of these homes are well set back from the solar panels at distances over 1,000 feet and are well screened from the project. All three show no indication of any impact on property value.

There are a couple of recent lot sales located along Southview Court that have sold since the solar farm was approved. The most recent lot sales include 11700 Southview Court that sold on December 29, 2021 for $140,000 for a 0.76-acre lot. This property was on the market for less than 2 months before closing within 6% of the asking price. This lot sold earlier in September 2019 for $55,000 based on a liquidation sale from NTS to an investor.

A similar 0.68-acre lot at 11507 Stonewood Court within the same subdivision located away from the solar farm sold on March 9, 2021 for $109,000. This lot sold for 18% over the asking price within 1 month of listing suggesting that this was priced too low. Adjusting this lot value upward by 12% for very strong growth in the market over 2021, the adjusted indicated value is $122,080 for this lot. This is still showing a 15% premium for the lot backing up to the solar farm.

The lot at 11009 Southview Court sold on August 5, 2019 for $65,000, which is significantly lower than the more recent sales. This lot was sold by NTS the original developer of this subdivision, who was in the process of liquidating lots in this subdivision with multiple lot sales in this time period throughout the subdivision being sold at discounted prices. The home was later improved by the buyer with a home built in 2020 with 2,430 square feet ranch, 3.5 bathrooms, with a full basement, and a current assessed value of $492,300.

I spoke with Chris Kalia, MAI, Mark Doherty, local real estate investor, and Alex Doherty, broker, who are all three familiar with this subdivision and activity in this neighborhood. All three indicated that there was a deep sell off of lots in the neighborhood by NTS at discounted prices under $100,000 each. Those lots since that time are being sold for up to $140,000. The prices paid for the lots below $100,000 were liquidation values and not indicative of market value. Homes are being built in the neighborhood on those lots with home prices ranging from $600,000 to $800,000 with no sign of impact on pricing due to the solar farm according to all three sources.





Fawn Lake Lot Sales

Parcel	Solar?	Address	Acres	Sale Date	Sale Price	Ad. For Time	% Diff
A	Adjoins	11700 Southview Ct	0.76	12/29/2021	$140,000		
1	1 parcel away	11603 Southview Ct	0.44	3/31/2022	$140,000	$141,960	-1.4%
2	Not adjoin	11507 Stonewood Ct	0.68	3/9/2021	$109,000	$118,374	15.4%
3	Not adjoin	11312 Westgate Wy	0.83	10/15/2020	$125,000	$142,000	-1.4%
4	Not adjoin	11409 Darkstone Pl	0.589	9/23/2021	$118,000	$118,000	15.7%

Average	7.1%
Median	7.0%

Least Adjusted	15.7%
2nd Least Adjusted	-1.4%
(Parcel 1 off solar farm)	

Time Adjustments are based on the FHFA Housing Price Index

I have identified additional home sales after construction was complete. I looked at 11710 Southview Court that sold on May 5, 2022. I have compared that to three similar homes built and

sold in the same time frame in the same community but not near the solar farm. The first two comparables are in close proximity to Fawn Lake and may have some mild enhancement from that proximity, but I made no adjustment for that factor.

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
Adjoins	11710 Soutview	0.89	5/5/2022	$767,945	2022	3,740	$205.33	5/4.5	2Gar	2-Story	UnBsmt
Not	11305 Hidden	0.57	2/18/2022	$789,905	2022	3,750	$210.64	4/3.5	2Gar	2-Story	PrtFinBsmt
Not	10501 Ridge Cv	0.57	12/30/2021	$737,119	2021	3,535	$208.52	6/4	2Gar	2-Story	UnBsmt
Not	10919 Grn Lf	0.39	6/16/2022	$739,990	2022	3,768	$196.39	4/4.5	2Gar	2-Story	UnBsmt

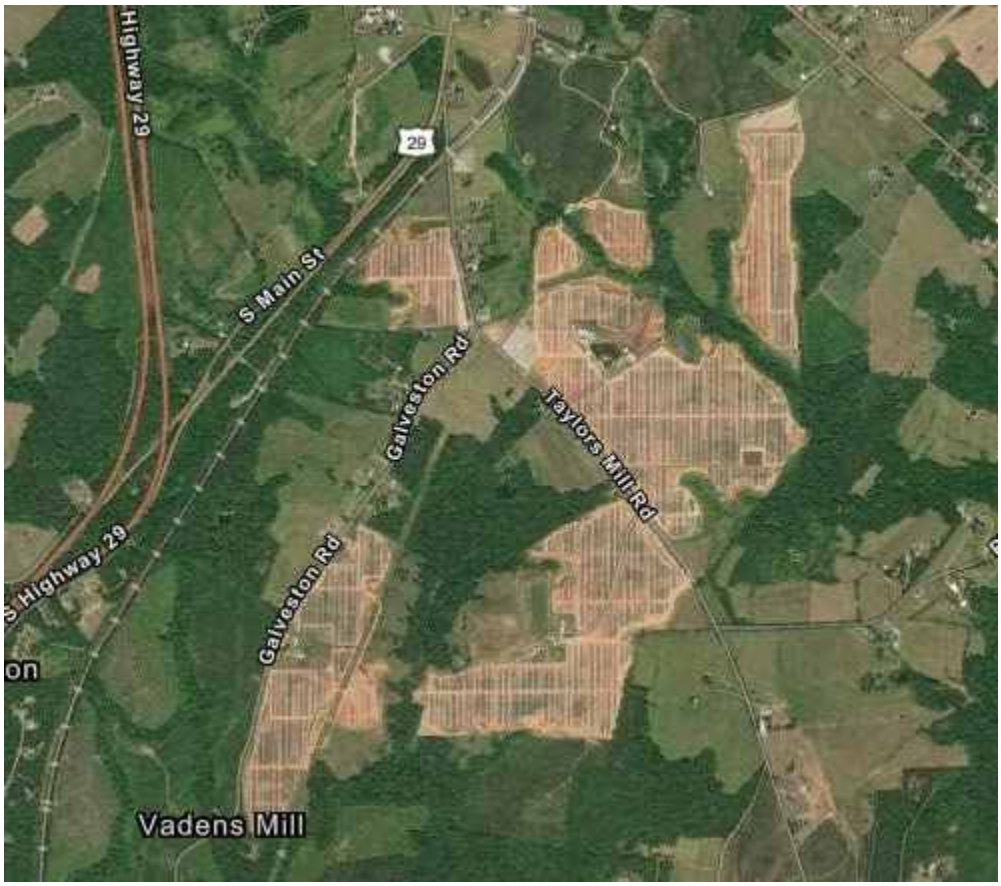
	Adjoining Sales Adjusted									
Address	Time	Ac/Loc	YB	GLA	BR/BA	Park	Other	Total	% Diff	Dist
11710 Soutview								$767,945		435
11305 Hidden	$18,092		$0	-$843	$15,000		-$20,000	$802,155	-4%	
10501 Ridge Cv	$27,990		$0	$17,099	$10,000			$792,208	-3%	
10919 Grn Lf	-$9,366		$0	-$2,200				$728,424	5%	
								Average Diff	-1%	

I identified a sale at 11708 Southview Court that sold on September 1, 2021 for $623,345. The first comparable required a significant adjustment for the unfinished basement, but otherwise required the least adjusting. In this time of rapid home value increase, I consider the sale closest in time to be the best indicator for this paired sale.

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
Adjoins	11606 Aprils	0.73	9/7/2023	$711,400	2023	2,745	$259.16	4/3	2Gar	2-Story	UnBsmt
Not	11701 Quail Rn	0.44	7/26/2023	$650,000	2020	2,588	$251.16	3/2.5	2Gar	2-Story	
Not	11809 Pheasant	0.36	10/3/2022	$629,510	2022	2,612	$241.01	3/2	2Gar	2-Story	UnBsmt
Not	10908 Grn Lf	0.43	2/16/2023	$774,760	2023	2,927	$264.69	5/4	2Gar	2-Story	UnBsmt

	Adjoining Sales Adjusted									
Address	Time	Ac/Loc	YB	GLA	BR/BA	Park	Other	Total	% Diff	Dist
11606 Aprils								$711,400		410
11701 Quail Rn	$5,360		$9,750	$15,773	$10,000		$32,500	$723,383	-2%	
11809 Pheasant	$40,927		$0	$12,822	$15,000			$698,258	2%	
10908 Grn Lf	$30,163		$0	-$19,270	-$15,000			$770,653	-8%	
								Average Diff	-3%	

15. Whitehorn Solar, Gretna, Pittsylvania County, VA



This project was built in 2021 for a solar project with 50 MW. Adjoining uses are residential and agricultural. There was a sale located at 1120 Taylors Mill Road that sold on December 20, 2021, which is about the time the solar farm was completed. This sold for $224,000 for 2.02 acres with a 2,079 s.f. mobile home on it that was built in 2010. The property was listed for $224,000 and sold for that same price within two months (went under contract almost exactly 30 days from listing). This sales price works out to $108 per square foot. This home is 255 feet from the nearest panel.

I have compared this sale to an August 20, 2020 sale at 1000 Long Branch Drive that included 5.10 acres with a 1,980 s.f. mobile home that was built in 1993 and sold for $162,000, or $81.82 per square foot. Adjusting this upward for significant growth between this sale date and December 2021 relied on data provided by the FHFA House Pricing Index, which indicates that for homes in the Roanoke, VA MSA would be expected to appreciate from $162,000 to $191,000 over that period of time. Using $191,000 as the effective value as of the date of comparison, the indicated value of this sale works out to $96.46 per square foot. Adjusting this upward by 17% for the difference in year built, but downward by 5% for the much larger lot size at this comparable, I derive an adjusted indication of value of $213,920, or $108 per square foot.

This indicates no impact on value attributable to the new solar farm located across from the home on Taylors Mill Road.

16. Altavista Solar, Altavista, Campbell County, VA



This project was mostly built in 2021 with final construction finished in 2022. This is an 80 MW facility on 720 acres just north of Roanoke River and west of Altavista. Adjoining uses are residential and agricultural.

I have done a Sale/Resale analysis of 3211 Leesville Road which is approximately 540 feet from the nearest solar panel. There was an existing row of trees between this home and the panels that was supplemented with additional screening for a narrow landscaped buffer between the home and the solar panels.

This home sold in December 2018 for $72,500 for this 1,451 s.f. home built in 1940 with a number of additional outbuildings on 3.35 acres. This was before any announcement of a solar farm. This home sold again on March 28, 2022 for $124,048 after the solar farm was constructed. This shows a 71% increase in value on this property since 2018. There was significant growth in the market between these dates and to accurately reflect that I have considered the FHFA House Price Index that is specific for the Lynchburg area of Virginia (the closest regional category), which shows an expected increase in home values over that same time period of 33.8%, which would suggest a normal growth in value up to $97,000. The home sold for significantly more than this which certainly does not support a finding of a negative impact and in fact suggests a significant positive impact. However, I was not able to discuss this sale with the broker and it is possible that the home also was renovated between 2018 and 2022, which may account for that additional increase in value. Still given that the home increased in value so significantly over the initial amount there is no sign of any negative impact due to the solar farm adjacency, but I have not included this datapoint in the charts as it shows a substantial outlier enhancement due to adjoining a solar project which is likely attributable to renovations and not an actual enhancement.



Similarly, I looked at 3026 Bishop Creek Road that is approximately 600 feet from the nearest solar panel. This home sold on July 16, 2019 for $120,000, which was before construction of the solar farm. This home sold again on February 23, 2022 for $150,000. This shows a 25% increase in value over that time period. Using the same FHFA House Price Index Calculator, the expected increase in value was 29.2% for an indicated expected value of $155,000. This is within 3% of the actual closed price, which supports a finding of no impact from the solar farm. This home has a dense wooded area between it and the adjoining solar farm.



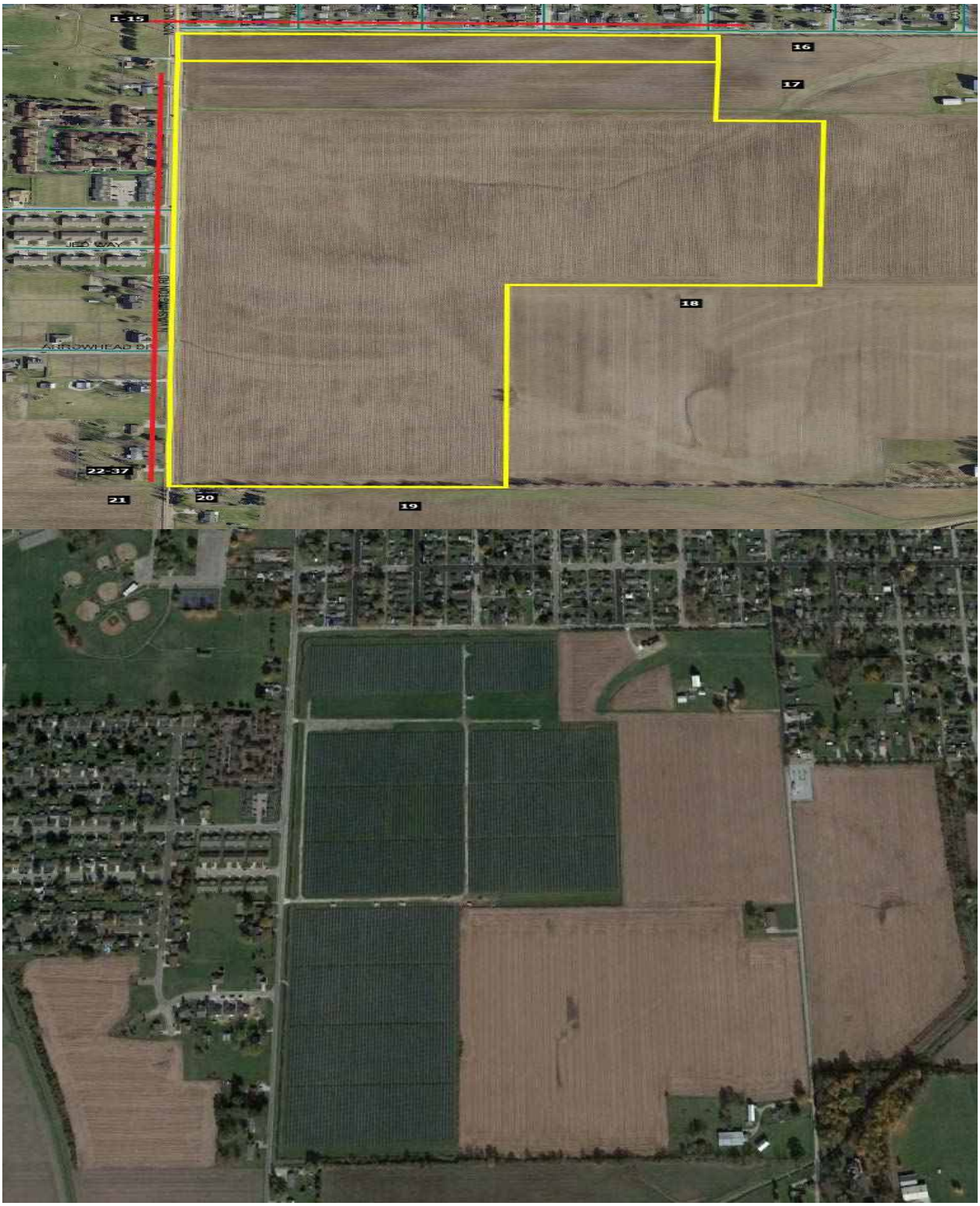
I also considered 2049 Bishop Creek Road that sold on July 3, 2023. This home included a pool and in the analysis I made no consideration positive or negative for the pool among the comparables. The comparable at 3270 Wards has a partially finished basement instead of a fully finished basement, but I was unable to determine how much that partial indicated. I will focus on the other two paired sales which range from -5% to +4% impacts and support a finding of no impact on property value.

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GBA	BR/BA	Park	Style	Other
Nearby	2049 Bishop Crk	3.72	7/3/2023	$375,000	1970	3,966	$94.55	3/3	2Gar	Br Rnch	FinBsmt/Pool
Not	56 Whisper. Pn	1.02	2/29/2024	$375,000	1988	3,548	$105.69	5/3	2Gar	Br Rnch	FinBsmt
Not	1900 Woodhaven	1.90	8/31/2022	$355,000	1969	3,643	$97.45	3/2/2	2Gar	Br Rnch	FinBsmt
Not	3270 Wards	3.60	9/21/2023	$325,000	1960	3,564	$91.19	3/2.5	2Gar	Br Rnch	PrtFn Bsmt

Adjoining Sales Adjusted

Address	Time	Ac/Loc	YB	GLA	BR/BA	Park	Other	Total	% Diff	Dist
2049 Bishop Crk								$375,000		745
56 Whisper. Pn	-$17,332	$20,000	-$33,750	$17,672				$361,590	4%	
1900 Woodhaven	$20,833	$10,000	$1,775	$12,590	-$5,000			$395,198	-5%	
3270 Wards	-$4,986		$16,250	$14,663	$10,000			$360,927	4%	
							Average Diff		1%	

17. DG Amp Piqua, Piqua, Miami County, OH



This project is located on the southeast corner of Manier Street and N Washington Road, Piqua, OH. There are a number of nearby homes to the north, south and west of this solar farm.

I considered one adjoining sale and one nearby sale (one parcel off) that happened since the project was built in 2019. I did not consider the sale of a home located at Parcel 20 that happened in that time period as that property was marketed with damaged floors in the kitchen and bathroom, rusted baseboard heaters and generally was sold in an As-Is condition that makes it difficult to compare to move-in ready homes. I also did not consider some sales to the north that sold for prices significantly under $100,000. The homes in that community includes a wide range of smaller, older homes that have been selling for prices ranging from $25,000 to $80,000. I have not been tracking home sales under $100,000 as homes in that price range are less susceptible to external factors.

The adjoining sale at 6060 N Washington is a brick range fronting on a main road. I did not adjust the comparables for that factor despite the subdivision exposure on those comparables was superior. I considered the difference in lot size to be balancing factors. If I adjusted further for that main road frontage, then it would actually show a positive impact for adjoining the solar farm.

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
22	Adjoins	6060 N Washington	0.80	10/30/2019	$119,500	1961	1,404	$85.11	3/1	2 Gar	Br Rnch	Updates
	Not	1523 Amesbury	0.25	5/7/2020	$119,900	1973	1,316	$91.11	3/2	Gar	Br Rnch	Updates
	Not	1609 Haverhill	0.17	10/17/2019	$114,900	1974	1,531	$75.05	3/1	Gar	Br Rnch	Updates
	Not	1511 Sweetbriar	0.17	8/6/2020	$123,000	1972	1,373	$89.58	4/2	Gar	Br Rnch	Updates

Adjoining Sales Adjusted									Avg	
Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	% Diff	Distance
							$119,500			155
-$1,920		-$7,194	$6,414	-$5,000	$7,500	$0	$119,700	0%		
$126		-$7,469	-$7,625		$7,500	$0	$107,432	10%		
-$2,913		-$6,765	$2,222	-$5,000	$7,500	$0	$118,044	1%		
									4%	

I also considered a home fronting on Plymouth Avenue which is one lot to the west of the solar farm with a rear view towards the solar farm. After adjustments this set of matched pairs shows no impact on the value of the property due to proximity to the solar farm.

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
	Nearby	1011 Plymouth	0.21	2/24/2020	$113,000	1973	1,373	$82.30	4/2	Gar	1.5 Stry	Fnce/Shd
	Not	1630 Haverhill	0.32	8/18/2019	$94,900	1973	1,373	$69.12	4/2	Gar	1.5 Stry	N/A
	Not	1720 Williams	0.17	12/4/2019	$119,900	1968	1,682	$71.28	4/1	2Gar	1.5 Br	Fnce/Shd
	Not	1710 Cambridge	0.17	1/22/2018	$116,000	1968	1,648	$70.39	4/2	Det 2	1.5 Br	Fnce/Shd

Adjoining Sales Adjusted									Avg	
Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	% Diff	Distance
							$113,000			585
$1,519		$0	$0			$10,000	$106,419	6%		
$829		$2,998	-$17,621	$5,000			$111,105	2%		
$7,459		$2,900	-$15,485				$110,873	2%		
									3%	

I considered a home located at 6010 N Washington that sold on August 3, 2021. This property was sold with significant upgrades that made it more challenging to compare, but I focused on similar older brick ranches with updates in the analysis. The comparables suggest an enhancement to this property due to proximity from the solar farm, but it is more likely that the upgrades at the subject were superior. Still this strongly supports a finding of no impact on the value of the property due to proximity to the solar farm.

Adjoining Residential Sales After Solar Farm Built

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
24	Adjoins	6010 N Washington	0.80	8/3/2021	$176,900	1961	1,448	$122.17	4/2	2 Gar	Br Ranch	Updates
	Not	1244 Severs	0.19	10/29/2021	$149,900	1962	1,392	$107.69	3/2	Gar	Br Ranch	Updates
	Not	1515 Amesbury	0.19	5/5/2022	$156,500	1973	1,275	$122.75	3/2	2 Gar	Br Ranch	Updates
	Not	1834 Wilshire	0.21	12/3/2021	$168,900	1979	1,265	$133.52	3/2	2 Gar	Br Ranch	Updates

Adjoining Sales Adjusted									Avg	
Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	% Diff	Distance
							$176,900			155
-$1,099		-$750	$4,221		$7,000		$159,273	10%		
-$3,627		-$9,390	$16,988				$160,471	9%		
-$1,736		-$14,357	$19,547				$172,354	3%		
									7%	

I considered a home located at 6240 N Washington that sold on October 15, 2021. The paired sale located at 532 Wilson included a sunroom that I did not adjust for. The -4% impact from that sale is related to that property having a superior sunroom and not related to proximity to the solar farm. The other two comparables strongly support that assertion as well as a finding of no impact on the value of the property due to proximity to the solar farm.

Adjoining Residential Sales After Solar Farm Built

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
	Adjoins	6240 N Washington	1.40	10/15/2021	$155,000	1962	1,582	$97.98	2/1	Det 3	Ranch	
	Not	1408 Brooks	0.13	8/20/2021	$105,000	1957	1,344	$78.13	3/1	Drive	Ranch	
	Not	532 Wilson	0.14	7/29/2021	$159,900	1948	1,710	$93.51	3/2	Det Gar	Ranch	Sunroom
	Not	424 Pinewood	0.17	5/20/2022	$151,000	1960	1,548	$97.55	4/2	Gar	Ranch	

Adjoining Sales Adjusted									Avg	
Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	% Diff	Distance
							$155,000			160
$496		$2,625	$13,016		$15,000		$136,136	12%		
$1,051		$11,193	-$9,575	-$10,000	$8,000		$160,569	-4%		
-$2,761		-$2,265	$2,653	-$10,000	$7,000		$145,627	6%		
									5%	

Based on these four matched pairs, the data at this solar farm supports a finding of no impact on property value due to the proximity of the solar farm for homes as close as 155 feet.

I also identified three new construction home sales on Arrowhead Drive that sold in 2022. I have reached out to the builder regarding those homes, but these homes sold between $250,000 and $275,000 each and were located within 350 feet of the solar farm. These sales show that the presence of the solar farm is not inhibiting new home construction in proximity to the solar farm.

18. Solidago Solar, Windsor, Isle of Wight County, VA

This 20 MW solar farm was completed in March 2024. The closest adjoining home is 350 feet away.



The home located just north of this solar farm at 17479 Courthouse Highway, Windsor on December 28, 2023 for $555,000 for this 4 BR, 2.5 BA with 2,775 s.f. built in 2001 on 3.62 acres with a 2-car garage. This also includes a 4 bay barn and large metal storage building, which complicates using this home for paired sales analysis. The purchase price works out to $200 per s.f. The tax card allocates $23,000 to the two outbuildings (assessed value), which I will use in adjusting the comparables. This home is 610 feet from the nearest solar panel.

I have compared this to 15414 Trump Town Road, Windsor that sold on September 22, 2023 for $463,000 for a 4 BR, 2.5 BA home with 2,583 s.f. built in 1998 on 1.88 acres with a 2-car garage. The purchase price works out to $179.25 per s.f. Adjusting the price upward by $18,000 for the additional acreage and $23,000 for the outbuildings, the indicated price becomes $514,000, or $198.99 per s.f. I made no adjustment for the difference in frontage but Courthouse Highway is a busier road than Trump Town Road, which is inferior. If I adjusted for that road frontage difference, the Trump Town Road sales price would go even lower. The adjusted sales price is 1% less than the price of the home next to the solar farm sold for and supports a finding of no impact on property value. Applying that per s.f. rate to the home size at Courthouse Highway indicates an adjusted value of $552,197, which is also just 1% less than the sales price of the home adjoining the solar farm.

I also considered 11497 Dews Plantation Road, Ivor, which the broker Anna Boyer suggested was a good comparable. This home sold on October 19, 2023 for $640,000 for a 3 BR, 2.5 BA with 2,684

s.f., built in 2003 with a 2-car garage on 15.20 acres. This home includes a powered horse barn with 4 stalls and a tack room, an additional 2-car detached garage with a finished room over it and fenced pasture. Adjusting the price downward by $58,000 for the much larger acreage and $41,000 for the outbuildings (difference in assessed value of relative outbuildings) the adjusted sales price is $541,000, or $201.56 per s.f. This is 1% more than the home at Courthouse Highway without making any adjustment for the difference in frontage, which supports a finding of no impact on property value. Applying that per s.f. rate to the home size at Courthouse Highway indicates an adjusted value of $559,329, which is also just 1% more than the sales price of the home adjoining the solar farm. I consider both of these reasonable comparisons, but the Trump Town Road comparable is closer and required less adjusting, which makes it a more reliable comparable.

I reached out to Anna Boyer with Howard Hanna Smithfield as the listing broker for this home. She indicated that she believed that the solar farm was a big issue for a number of folks who came to look at this home and it could have impacted the sales price. However, she also indicated that while she initially listed the property for $625,000, her internal analysis suggested a value of $550,000 and she only listed it at the higher price due to the owner's insistence. She noted that $550,000 was her opinion assuming no impact from the solar farm. When they later dropped the asking price to $559,000, they received an offer quickly and the property appraised and sold for $555,000. She noted that the appraiser indicated that the solar farm would not impact the value and assigned no impact on the appraisal. The closing price was slightly above the broker's opinion of value and supported by the appraisal with no impact from the adjoining solar farm.

Ms. Boyer indicated that she currently has a listing at 6568 Beechland Road, Elberon that is asking $585,000 for a 4 BR, 3.5 BA with 2,800 s.f. built in 2000 on 9.33 acres with a 2-car garage and a detached garage with a workshop. This home adjoins Cavalier Solar in Surry County which was under construction during this time period for a 240 MW project and the home is 848 feet from the nearest panel with a large wooded area separating it. During the listing she had a number of potential buyers express concern over the adjoining solar farm. This illustrates that for some buyers the solar farm will be a deterrent, but she also noted that some potential buyers have indicated that the solar farm is protection from future development nearby. This home sold in June 2024 for $535,000, or $191 per s.f. The last sale of this home was in 1999 which was for the land only so I could not do a Sale/Resale analysis.



The home located at 12256 Redhouse Road sold on February 8, 2024 for $671,650 for this 2,640 s.f. home with 3 BR, 2 full BA and 2 half BA built in 2002 on 21 acres, or $254.41 per s.f. Given that this home includes an updated kitchen, bar/entertainment room, 4-stall barn with feed and wash stalls and stable room with electrical fencing for pastures, riding ring and other horse features this becomes a difficult home to use for a paired sales analysis. I reached out to Anna Hansen with Surry Side Realty about this sale. She said that while she expected a certain amount of pushback from the solar farm she did not have any negative comments or impacts from the solar farm and it therefore did not impact the sales price or marketing of this home. This home is 640 feet from the nearest panel.

While it is challenging to find a good comparable, I considered 11497 Dews Plantation Road, Ivor, which has similar pasture and a horse features. This home sold on October 19, 2023 for $640,000 for a 3 BR, 2.5 BA with 2,684 s.f., built in 2003 with a 2-car garage on 15.20 acres. This home includes a powered horse barn with 4 stalls and a tack room, an additional 2-car detached garage with a finished room over it and fenced pasture. Adjusting the price upward by $25,000 for the smaller acreage and assuming that the horse features balance out, the adjusted sales price is $665,000, or $247.76 per s.f. This is 3% less than the home at Redhouse Road, which supports a finding of no impact on property value.

Interestingly, Ms. Anna Boyer indicated that she did bring a prospective buyer to view 12256 Redhouse Road. That buyer visited the site 3 times before deciding that the solar farm would be the reason she did not want to purchase that home. So while there clearly are purchasers in the market that would not purchase a home next to a solar farm, there are enough other buyers that do not see it as a negative to keep the prices stable as illustrated by the paired sales above.

19. Buckingham Solar, Cumberland, Buckingham County, VA



Buckingham Solar is a 19.8 MW project east of 628 shown above, while Energix Buckingham is a 20 MW project west of 628 shown above.

The closest adjoining home is 125 feet from the nearest panel.

1 - I identified 24081 E James Anderson Highway sold on June 2, 2023 for $160,000 for a 3 BR, 2BA, 1,248 s.f. manufactured home built in 1999 on 1 acre. This home is 380 feet from the solar panels south of US 60 and 760 feet from the solar panels to the north. The sales price works out to $128.21 per s.f.

I compared that to 755 High School Road that sold on September 8, 2023 for $190,000 for a 3 BR, 2BA, 1,296 s.f. manufactured home built in 2007 on 2.04 acres and including a detached workshop with power. Adjusting this sale downward by $5,000 for the difference in lot size, $7,600 for difference in building age (based on 0.5% per year difference in age), and $15,000 for the detached workshop for an adjusted indication of value of $162,400, or $125.31 per s.f. This supports a finding of no impact on property value for the home at 24081 E James Anderson Highway due to the solar farm proximity.

2 - I also identified 23225 E James Anderson Highway that sold on June 30, 2023 for $180,000 for a 2 BR, 1 BA, 1,076 s.f. home built in 1958 on 1.50 acres with a 2-car garage and a full unfinished basement. This home is 560 feet from the nearest solar panel.

I compared that to 17534 E James Anderson Highway that sold on January 24, 2024 for $205,000 for a 3 BR, 2 BA, 1,218 s.f. home built in 1968 on 2 acres with a carport and detached 2 car garage and a full unfinished basement. Adjusting this sale downward by $10,000 for the extra bathroom and $9,560 for the larger size of this home (based on 40% of the per s.f. value for the difference in s.f.), the adjusted indication of value is $185,440, which is within 3% of the property next to the solar farm. This difference is more likely attributable to the extra 0.50 acres at this site that I did not adjust for, but either way is within typical market imperfection and supports a finding of no impact on property value.

20. Anderson 6 Solar, Andreson, Madison County, IN



This 6.8 MW solar project was built in 2022. The homes to the east are within 75 feet of the solar panels shown. The closest home to the south is 155 feet from the nearest panel. The closest home to the west is 115 feet from the nearest panel. The closest home to the north is 85 feet from the nearest panel.

A home located at 2819 S Layton Road, Anderson, IN located to the northwest of this solar farm sold in October 6, 2023 after construction was complete on the solar farm. This home is 345 feet from the nearest panel. This home is a 3 BR, 2 BA 2-story frame construction built in 1899 with significant updates, a detached 2-car garage and 1,946 s.f. on 1.38 acres. The sales price was $210,000 or $107.91 per s.f. This home sold in just over 30 days and at a price well above the asking price of $194,500. I reached out to Dawn Rusk with Keller Williams-Morrison, the broker who listed the property for sale.

This same home sold for $150,000 in February 2021. Typical appreciation in this market based on the FHFA House Price Index for the Indianapolis-Carmel-Anderson MSA would be 32% over that period, or $198,000. The actual sales price after the construction of the solar farm was higher than the value before the solar farm. Comparing the sales price of $210,000 to the anticipated $198,000 from typical appreciation shows a difference of 6%, suggesting a mild enhancement from the solar farm. However, given the rapid increases in this time frame, this mild difference could be attributable to the minor shifts in months within each quarter as the FHFA HPI is only by quarter. I therefore consider this to be a strong indication of no impact on property value.


Purchase Quarter
2021 Quarter 1
Purchase Value
$150,000
Valuation Quarter
2023 Quarter 4
Estimated Value for MSA
$198,000
Percentage Change
32.0%
X
Indiana
Indianapolis-Carmel-Anderson, IN
$200,000
$190,000
$180,000
$170,000
$160,000
$150,000
2023 Q4
2021 Q1
2021
Q2
Q3
Q4
2022
Q2
Q3
Q4
2023
Q2
Q3
Q4

21. Logansport Solar, Logansport, Cass County, IN



This is a 16 MW solar project built in 2022. The closest adjoining home to the west is 170 feet. The closest adjoining home to the north is 225 feet. The closest adjoining home to the east is 90 feet. The uses to the south are commercial or industrial.

A nearby home at 1015 Pink Street (260 feet to the east of the nearest solar panel sold on December 28, 2021. This was during construction of the solar farm. This home sold for $135,000 after being listed for sale for $129,900. It sold within 30 days. This was a 2,048 s.f. home with 4 BR, 2 BA, built in 1954 with 4 garage spaces on 0.49 acres. I spoke with the broker Cindy J Heinzman with Galloway, Murray & Scheetz who indicated that the sellers were simply downsizing and that the solar farm had no impact on the marketing or the sales price of the home.

22. Dunn's Bridge 1, Wheatfield, Jasper and Starke Counties, IN



This is a 435 MW solar project with a 75 MW BESS was under construction in 2023 and expected to be operational by the end of 2024. Based on the current aerial image, the closest adjoining home to the west is 205 feet. The closest adjoining home to the north is 260 feet. The closest adjoining home to the east is 90 feet. The closest home to the south is 260 feet.

I located a nearby sale at 1546 E 1225 N, Wheatfield, IN that sold on February 11, 2022, which would have been after approval of the project, but likely before construction began. This home is 3,130 s.f. home on 15.90 acres built in 2004 and is 910 feet from the nearest panel. The unique size and features make it difficult to compare this home as a paired sale. I reached out to Dan Walstra with Countryside Realty, the buyer's agent for this home, for comments. This home went on the market in December 2021 for $499,900 and sold in February 2022 for the asking price. According to Mr. Walstra the sales price was not impacted by the solar farm and the buyers were happy with that as an adjoining neighbor as they would be quiet and would not include any new residential development.

23. Crane Solar Facility, Burns City, Martin County, IN



This 24.3 MW solar project built in 2017 is located on the former front nine holes at Eagle View Golf Course at Naval Support Activity Crane.

A home located at 21893 Golf Club Lane, Loogootee sold on September 26, 2022 for $296,000 for a 2,232 s.f. ranch with 2 BR, 2 BA, with a 3-car garage, built in 1992 on 10 acres. The purchase price works out to $132.62 per s.f. The assessed land value is 11% of the overall assessed value. This home is 440 feet from the nearest solar panel.

I have compared this to 12889 N US 231, Odon that sold on July 27, 2022 for $325,000 for a 2,640 s.f. home with 5 BR, 3 BA, with a 3-car garage, built in 1992 on 2.65 acres. The purchase price works out to $123.11 per s.f. This home is slightly larger which typically has a slightly lower price per square foot. It is also on a smaller lot, which also supports a lower price point. However, this home has 5 BR and 3 BA, which is significantly superior to the comparable. The assessed land value is 7% of the overall assessed value. I have adjusted this upward by $16,000 for the difference in land value for an adjusted indication of value of $341,000, or $129.17 per s.f. Adjusting this downward for size by $21,081 and downward for the bathroom by $15,000, the total adjusted value is $304,919. This indicates a -3% impact on property value, which is within the margin of typical variation. I also did not adjust for the difference in 3 bedrooms. Typically, a 2 BR house sells for less than a 3 BR, so there likely is an impact associated with that difference from 5.

Comparing these two sales, the proximity to the solar farm shows no impact on the property value.

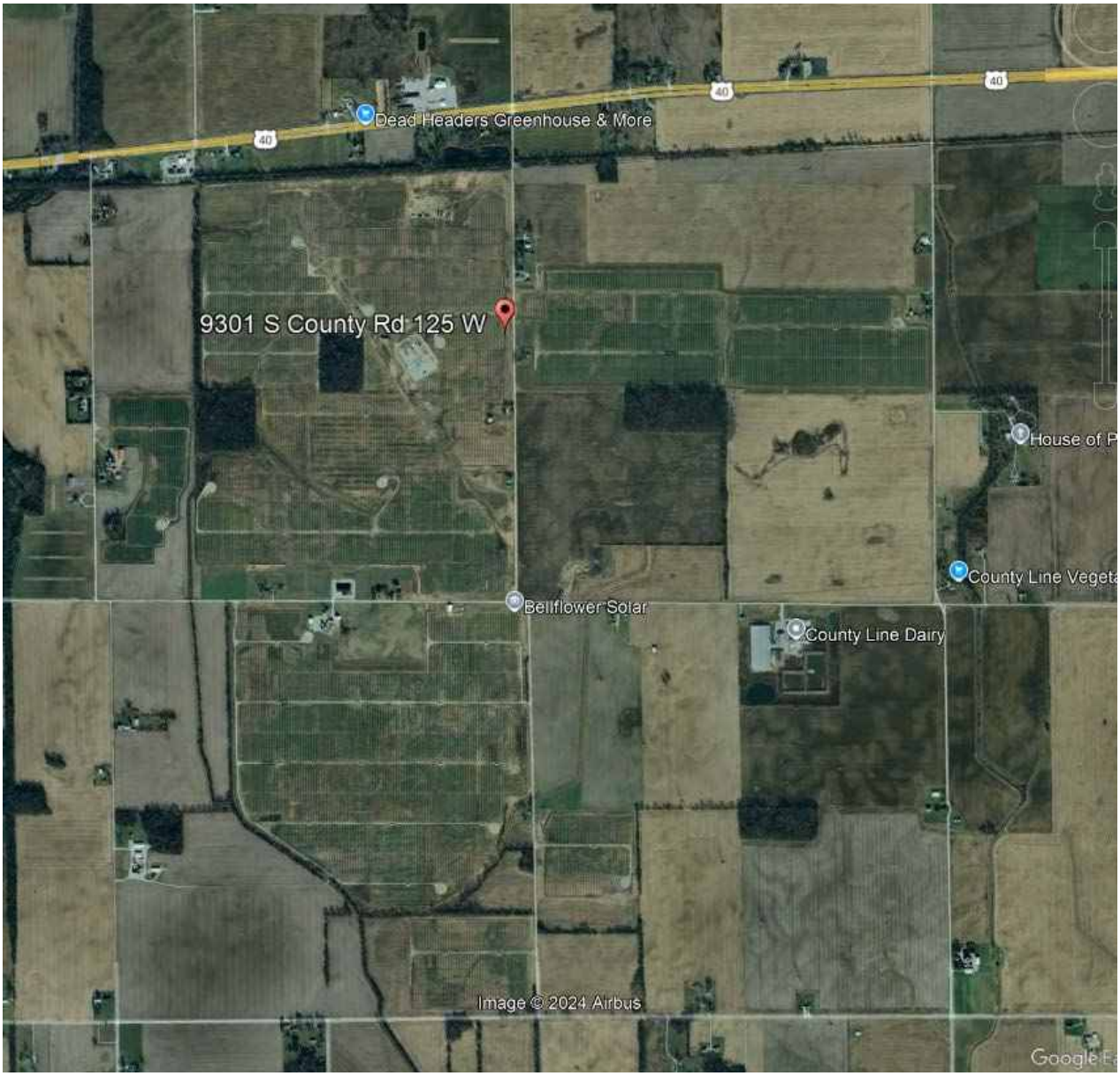
24. Kokomo Solar 1, Kokomo, Howard County, IN



This is a 5.4 MW solar project built in 2016. The closest adjoining home is 145 feet from the closest panel.

That closest home sold on December 21, 2023 for $129,900 for this 1,252 s.f. ranch at 1049 S. Leeds Street with 2 BR, 1 BA, 2 car garage, built in 1925 on 0.19 acres. This home has a new roof and was fully updated. I reached out to the broker Jennifer Lane with Keller Williams who indicated that the proximity to the solar farm had no impact on the property value or the marketing. She noted that the floorplan was a limitation to the marketing of the home as it only had 2 BR and 1 BA.

25. Bellflower Solar 1, Henry & Rush County, IN



This 152.5 MW solar project is located on the south side of US 40 Highway east of State Road 3. This was built in 2023.

I identified the sale of a home at 2312 W US Highway 40, Spiceland that sold on April 19, 2024 for $155,000 for a 4 BR, 1 BA, 2,760 s.f. two-story home with a 3-car garage built in 1900 on 4.82 acres. I reached out to Jason Loveless with F.C. Tucker/Crossroads Real Estate who indicated that the marketing and sales price were not negatively impacted by the adjoining solar project. This home is 2,200 feet from the nearest solar panel and were not visible according to the broker. Given the age of the improvements this was a difficult home to complete a paired sales analysis. I have relied on the broker comments for this.

I also looked at the sale of a home located at 9559 S County Road 225 W, Lewisville. This custom built timber/log home sold on January 4, 2024 for $650,000 for this 3,409 s.f. 3 BR, 3.5 BA, 2 car garage, finished basement home built in 2018 on 3.39 acres. This home is 360 feet from the nearest solar panel. I reached out to Kayla Walker with F.C. Tucker/Crossroads Real Estate about this sale.

She indicated that this home had sold several times in the last few years due to some unfortunate life circumstances for the original owner. That owner apparently tried to buy the home back 6 months after this most recent sale once those issues were resolved but the current owners were not interested. She noted that there was one social media post saying "there is a solar panel project across the road good luck selling," but no one else responded to that comment. The home sold quickly and the solar project had no impact on the sales price or marketing of this property.

I considered a Sale/Resale analysis on this property due to the unique nature of this home. The most recent sale prior to the solar farm construction was on December 30, 2022 for $634,000, which would have been after the solar farm was approved and possibly during construction. I therefore have not completed a Sale/Resale analysis on this property. The home sold again on May 17, 2023 for $635,721 before finally selling on January 4, 2024 for $650,000.

I have completed the following paired sales analysis on this home.

Adjoining Residential Sales After Solar Farm Built					Eff.					
Solar	**Address**	**Acres**	**Date Sold**	**Sales Price**	**Built**	**GBA**	**$/GLA**	**BR/BA**	**Park**	**Style**
Adjoins	9559 S CR 225 W	3.88	1/4/2024	$650,000	2018	3,409	$190.67	3/3.5	Det. 2 Gar	Timber
Not	9582 S CR 125 E	5.10	7/8/2024	$725,000	1979	3,851	$188.26	5/4	2 Gar	
Not	1068 Landmark	1.87	7/17/2023	$565,900	2020	3,550	$159.41	4/3.5	3 Gar	
Not	5520 W Riley	5.01	12/8/2022	$520,500	1998	3,080	$168.99	3/2.5	3 Gar	Brick

Adjoining Sales Adjusted									Avg	
Address	**Time**	**Site**	**YB**	**GLA**	**BR/BA**	**Park**	**Total**	**% Diff**	**% Diff**	**Distance**
9559 S CR 225 W							$650,000			360
9582 S CR 125 E	-$14,778	-$10,000	$28,275	-$33,285	-$10,000	-$10,000	$675,212	-4%		
1068 Landmark	$10,605	$20,000	-$1,132	-$8,991		-$15,000	$571,382	12%		
5520 W Riley	$22,360	-$10,000	$10,410	$22,240	$20,000	-$15,000	$570,510	12%		
									7%	

These comparables required a fair bit of adjustment, but two of them indicate a positive impact on property value and that includes the comparable requiring the least amount of adjustment. Relying on the average from these three comparables, I derive an impact of +7%.

26. Riverstart Solar, Winchester, Randolph County, IN

This 200 MW solar farm was completed in January 2022.



The home located to the west of the solar farm between the western and eastern side at 6535 S 500 West sold for $129,900 4BR, 1BA house with a tax card year built of 1900. This 1,592 s.f. dwelling sold February 10, 2022 and is a 2-story house. This property is in close proximity to the solar farm and is 1,205 feet away from the closest panel.

I have compared this to 3 nearby sales to compare them to this property. I have utilized the actual year built per the tax cards for each of these.

Adjoining Residential Sales After Solar Farm Built

Pa	Solar	Address	Acres	Date Sold	Sales Price	Built	GLA	$/GLA	BR/BA	Park	Style	Other
	Adjoins	6535 S 500 W	2.00	2/10/2022	$129,900	1900	1,592	$81.60	4/1	Park	2 Stry	No wind nearby
	Not	1076 N Old Hwy 27	0.80	2/11/2022	$149,900	1880	1,719	$87.20	4/1.5	Det. 2 Gar	1.5 Stry	No solar/wind nearby
	Not	113 N Main St	0.34	10/24/2022	$142,900	1900	1,872	$76.34	3/2	2 Gar	2 Stry	No solar/wind nearby
	Not	109 S Main St	0.16	1/23/2023	$111,000	1860	1,716	$64.69	3/2	Det. 1 Gar	2 Stry	No solar/wind nearby

Adjoining Sales Adjusted

Address	Time	Site	YB	GLA	BR/BA	Park	Total	% Diff	Avg % Diff	Distance
6535 S 500 W							$129,900			1205
1076 N Old Hwy 27	$0	$10,000	$8,994	-$4,430	-$5,000	-$10,000	$149,464	-15%		
113 N Main St	-$5,716	$10,000	$0	-$8,550	-$10,000	-$10,000	$118,634	9%		
109 S Main St	-$9,990	$20,000	$13,320	-$3,208	-$10,000	-$5,000	$116,122	11%		
									1%	

This matched pair indicates no impact for being in close proximity to the solar farm.

I have also identified 3928 W 600 South which sold adjoining the solar farm to the north which sold for $250,000 for a 5BR, 2BA house with a tax card effective year built of 2000. This 2,305 s.f. dwelling sold February 17, 2022 and is a ranch with a detached 2 car garage. This property is in close proximity to the solar farm and is 677 feet away from the closest panel.

Adjoining Residential Sales After Solar Farm Built					Eff.						
Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	$/GLA	BR/BA	Park	Style	Other
Adjoins	3928 W 600 S	3.00	2/17/2022	$250,000	2000	2,305	$108.46	5/2	Det. 2 Gar	Ranch	Wind nearby
Not	1614 S Old Hwy 27	1.10	8/31/2021	$250,000	2014	2,148	$116.39	3/2	3 Gar	BR Rnch	No solar/wind
Not	4095 N 1000	2.13	1/14/2022	$281,250	2010	2,579	$109.05	3/2.5	2 Gar	BR Rnch	Basement No S/W
Not	3432 S Indian Trail	1.37	3/14/2023	$280,000	2002	1,927	$145.30	3/2.5	2 Gar	BR Rnch	No solar/wind

Adjoining Sales Adjusted										Avg	
Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	% Diff	Distance
3928 W 600 S								$250,000			677
1614 S Old Hwy 27	$9,315		-$10,500	$7,309		-$10,000	-$10,000	$236,124	6%		
4095 N 1000	$2,096		-$8,438	-$11,952	-$10,000	-$5,000	-$10,000	$237,956	5%		
3432 S Indian Trail	-$23,934		-$1,680	$21,970	-$5,000	-$5,000	-$10,000	$256,356	-3%		
										3%	

I also considered a Sale/Resale Analysis looking at an earlier sale of this same property prior to the solar farm on July 6, 2020 for $180,000 and an earlier sale on March 1, 2021 for $219,000.

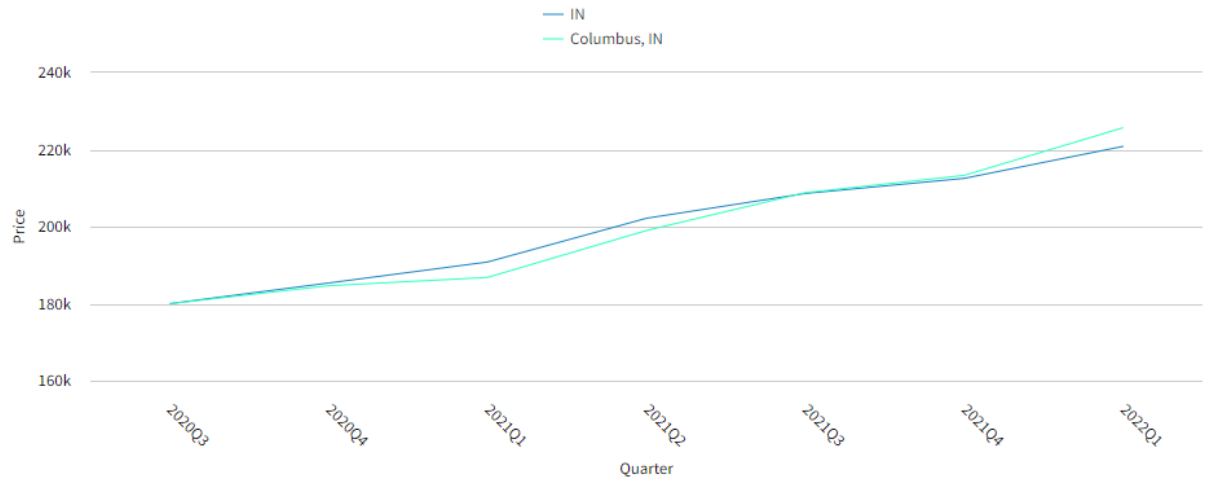
Adjusting the 2020 sale upward based on the FHFA HPI, I derive an expected value as of February 2022 of $225,677, which is lower than the actual closed sales price and shows a 10% premium for the sales price. This strongly supports a finding of no impact on property value.

Adjusting the 2021 sale upward based on the FHFA HPI, I derive an expected value as of February 2022 of $264,556. This is 6% less than the actual sales price and suggests a mild negative impact.

However blending the two indicators, it suggests a +2% increase in value. Using the blended rate is a better indicator as the increase between 2020 and 2021 was disproportionately higher than typical for the market. This suggests that the 2020 sale may have been a little low for that time, but it is just as likely that the 2021 sale was a little high. Using the average helps to blend these potential market imperfections. In the comparables chart I have blended these sales to reflect that 2% impact.

The Sale/Resale analysis as well as the paired sales analysis support a finding of no impact on property value due to the solar farm.

Estimated Value for MSA: $225,677	Estimated Value for State: $220,836	MSA Percentage Change: 25.38%



I have also identified 7141 S State Road 1 which sold in close proximity to the solar farm to the west which sold on September 24, 2021 for $165,000 for a 4BR, 2BA house with a tax card year built of 1900. This 2,040 s.f. dwelling sold September 24, 2021 and is a 2-story house with a 2-car garage. The home includes a 3,240 s.f. pole barn with 3 stalls and fenced pasture. This home is 1,070 feet away from the closest panel. This sold during the construction process of the solar farm. I attempted a paired sales analysis, but the horse improvements on the subject property complicated this. I therefore focused on a Sale/Resale analysis. This home last sold on October 12, 2012 for $95,000. Adjusting this upward based on the FHFA HPI, the anticipated value of the home as of 9/24/2021 would be $143,287 based on the MSA or $169,551 based on the state average. This strongly supports a finding of no impact on property value and actually suggests a positive impact on property value.

Purchase Quarter * 2012Q3

Valuation Quarter * 2021Q3

Purchase Price * 95000

Submit

Estimated Value for MSA: $143,287	Estimated Value for State: $169,551	MSA Percentage Change: 50.83%

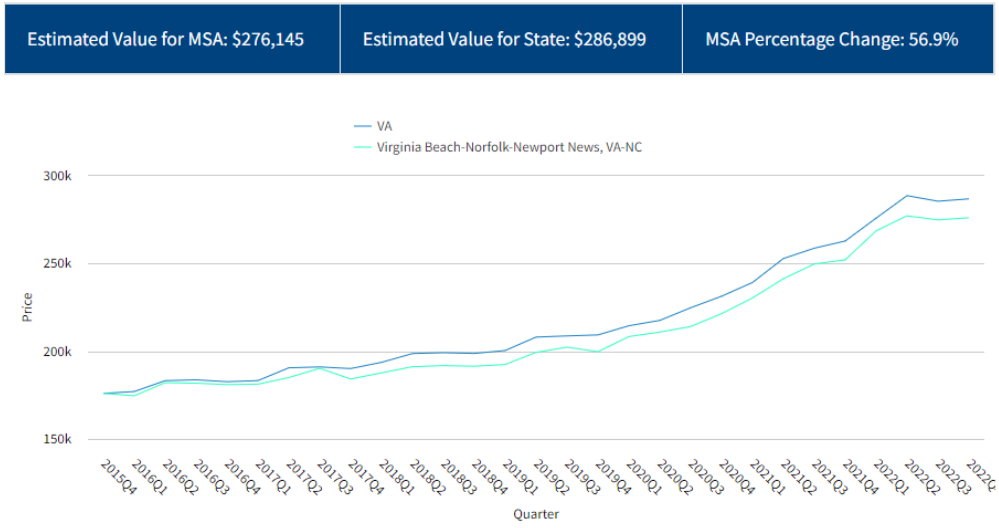


27. Bedford Solar, Chesapeake, Chesapeake County, VA



This is a 70MW solar facility located in Chesapeake that went operational in 2021. The closest adjoining home is 390 feet from the nearest panel.

I identified 1407 Whittamore Road sold on December 22, 2022 for $293,500 or $214 per square foot, for a 3 BR, 2BA, 1,372 s.f. one-story, single family home built in 1962 on a 0.69 acre lot. This home is 560 feet from the closest panel. This home last sold on December 14, 2015 for $176,000. Using the FHFA HPI to increase the earlier sale based on the typical appreciation, that home price was expected to appreciate to $276,145. Based on this sale/resale analysis, the solar farm is showing no impact on the property value or appreciation of this home adjoining the solar project.



IX. Conclusions from Market Research

A. Demographic Data from Solar Projects Identified

The solar developments identified in the earlier section are not all of the ones that I looked at, but all of the ones where I found usable data of some sort. In the following sections, I will address the analysis conclusions based on Sale/Resale Analysis, Paired Sale Analysis, and Broker Comments.

Below I have simply summarized the demographic data around the solar projects identified to illustrate the mix of uses and demographics around these projects.

Based on the similarity of adjoining uses and demographic data between these sites and the subject property, I consider it reasonable to compare these sites to the subject property.

Matched Pair Summary							**Adj. Uses By Acreage**				**1 mile Radius (2010-2024 Data)**		
	Name	**City**	**State**	**Acres**	**MW**	**Topo Shift**	**Res**	**Ag**	**Ag/Res**	**Com/Ind**	**Population**	**Med. Income**	**Avg. Housing Unit**
1	Crittenden	Crittenden	KY	34	2.70	40	22%	51%	27%	0%	1,419	$60,198	$178,643
2	Walton 2	Walton	KY	58	2.00	90	21%	0%	60%	19%	880	$81,709	$277,717
3	Turkey Crk	Lancaster	KY	753	50.00	120	7%	36%	51%	6%	257	$52,892	$221,809
4	Mt. Olive Crk	Russell Spr	KY	421	60.00	N/A	N/A	N/A	N/A	N/A	149	$60,646	$152,778
5	EW Brown	Harrodsburg	KY	50	10.00	N/A	3%	44%	29%	25%	182	$68,772	$294,444
6	Logan Cnty	Russellville	KY	1,100	173.00	N/A	N/A	N/A	N/A	N/A	177	$54,545	$284,459
7	Mulberry	Selmer	TN	160	5.00	60	13%	73%	10%	3%	467	$40,936	$171,746
8	Grand Ridge	Streator	IL	160	20.00	1	8%	87%	5%	0%	96	$70,158	$187,037
9	Portage	Portage	IN	56	2.00	0	19%	81%	0%	0%	6,642	$65,695	$186,463
10	Dominion	Indianapolis	IN	134	8.60	20	3%	97%	0%	0%	3,774	$61,115	$167,515
11	Clarke Cnty	White Post	VA	234	20.00	70	14%	39%	46%	1%	578	$81,022	$374,453
12	Walker	Barhamsville	VA	485	20.00	N/A	12%	68%	20%	0%	203	$80,773	$320,076
13	Sappony	Stony Crk	VA	322	20.00	N/A	2%	98%	0%	0%	74	$51,410	$155,208
14	Spotyslvania	Paytes	VA	3,500	615.00	160	37%	52%	11%	0%	74	$120,861	$483,333
15	Whitehorn	Gretna	VA	N/A	50.00	N/A	N/A	N/A	N/A	N/A	166	$43,179	$168,750
16	Altavista	Altavista	VA	720	80.00	N/A	N/A	N/A	N/A	N/A	7	$50,000	$341,667
17	DG Amp Piqua	Piqua	OH	86	12.60	2	26%	16%	58%	0%	6,735	$38,919	$96,555
18	Solidago	Isle of Wight	VA	193	20.00	N/A	N/A	N/A	N/A	N/A	62	$88,375	$312,500
19	Buckingham	Cumberland	VA	240	39.80	50	4%	6%	90%	0%	120	$59,445	$251,562
20	Anderson 6	Anderson	IN	N/A	6.80	N/A	N/A	N/A	N/A	N/A	736	$77,343	$181,635
21	Logansport	Logansport	IN	N/A	6.80	N/A	N/A	N/A	N/A	N/A	4,534	$51,694	$122,099
22	Dunns Brdge	Wheatfield	IN	N/A	435.00	N/A	N/A	N/A	N/A	N/A	208	$71,098	$203,986
23	Crane	Burns City	IN	182	24.30	100	N/A	N/A	N/A	N/A	114	$68,227	$273,077
24	Kokomo 1	Kokomo	IN	83	5.40	5	30%	36%	0%	34%	8,656	$50,193	$168,723
25	Bellflower 1	Lewisville	IN	N/A	152.50	N/A	N/A	N/A	N/A	N/A	45	$78,261	$215,789
26	Riverstart	Winchester	IN	N/A	200.00	N/A	N/A	N/A	N/A	N/A	47	$75,000	$169,565
27	Bedford	Chesapeake	VA	N/A	70.00	N/A	N/A	N/A	N/A	N/A	993	$127,047	$509,365
	Average			449	78.20	55	15%	52%	27%	6%	1,385	$67,760	$239,665
	Median			188	20.00	50	13%	51%	20%	0%	203	$65,695	$203,986
	High			3,500	615.00	160	37%	98%	90%	34%	8,656	$127,047	$509,365
	Low			34	2.00	0	2%	0%	0%	0%	7	$38,919	$96,555

B. Sale/Resale Analysis

In the market data I was able to identify a number of home sales where I was able to complete a Sale/Resale Analysis. The summary of that data is shown below.

Residential Dwelling Sale/Resale Analysis

Pair	Solar Farm	City	State	Area	MW	Approx Distance	Tax ID/Address	Date	Sale Price	Adj. Sale Price	% Diff
1	Crittenden	Crittenden	KY	Suburban	2.7	500	280 Clairborne	Mar-24	$295,500		
							280 Clairborne	Apr-06	$119,200	$282,245	4%
2	Crittenden	Crittenden	KY	Suburban	2.7	488	300 Clairborne	Sep-18	$212,720		
							300 Clairborne	Jul-14	$173,000	$208,183	2%
3	Walton 2	Walton	KY	Suburban	2	410	783 Jones	May-22	$346,000		
							783 Jones	May-12	$174,900	$353,000	-2%
4	Turkey Crk	Lancaster	KY	Rural	50	250	166 Long Branch	Nov-20	$180,000		
							166 Long Branch	Feb-19	$160,000	$181,000	-1%
5	Turkey Crk	Lancaster	KY	Rural	50	1050	209 Ashlock	Jun-22	$180,000		
							209 Ashlock	Feb-19	$160,000	$181,000	-1%
6	Mt Olive Crk	Russell Spng	KY	Rural	60	1250	2985 KY 1729	Dec-22	$150,000		
							2985 KY 1729	Sep-18	$110,000	$158,000	-5%
7	EW Brown	Harrodsburg	KY	Rural	10	1015	837 Hardin Hts	Mar-18	$212,500		
							837 Hardin Hts	Sep-05	$155,000	$187,274	12%
8	Logan Cnty	Russellville	KY	Rural	173	1460	528 Watermelon	May-22	$275,000		
							528 Watermelon	Sep-16	$149,000	$234,000	15%
9	Logan Cnty	Russellville	KY	Rural	173	1900	557 J Montgomery	Dec-21	$185,000		
							557 J Montgomery	May-16	$114,000	$174,000	6%
10	Logan Cnty	Russellville	KY	Rural	173	1400	263 Donald	Oct-22	$263,400		
							263 Donald	May-10	$141,000	$262,000	1%
11	Altavista	Altavista	VA	Rural	80	600	3026 Bishop Crk	Feb-22	$150,000		
							3026 Bishop Crk	Jul-19	$120,000	$155,000	-3%
12	Bremen	Bremen	IN	Suburban	6.8	310	1141 Gilbert	May-23	$186,000		
							1141 Gilbert	Jan-22	$160,000	$189,000	-2%
13	Riverstart	Winchester	IN	Rural	200	677	3928 W 600 S	Feb-22	$250,000		
							3928 W 600 S	Mar-21	$219,000	$245,000	2%
14	Riverstart	Winchester	IN	Rural	200	1070	7141 S SR 1	Sep-21	$165,000		
							7141 S SR 1	Oct-12	$95,000	$143,287	13%
15	Anderson 6	Anderson	IN	Suburban	6.8	345	2819 S Layton	Oct-23	$210,000		
							2819 S Layton	Feb-21	$150,000	$198,000	6%
16	Bedford	Chesapeake	VA	Rural	70	560	1407 Whittamore	Dec-22	$293,500		
							1407 Whittamore	Dec-15	$176,000	$276,145	6%

	MW	Avg. Distance
Average	78.75	830
Median	55.00	639
High	200.00	1,900
Low	2.00	250

	Indicated Impact
Average	3%
Median	2%
High	15%
Low	-5%

The Sale/Resale Analysis includes 16 examples with impacts ranging from -5% to +15% with an average impact of +3% and a median impact of +2%.

The closest adjoining home is 250 feet and the range of solar projects range from 2 MW up to 200 MW.

The Sale/Resale Analysis uses no appraiser judgement and links the consideration of appreciation to the FHFA Home Price Index. The advantage of this approach is that there is only one factor to address and it is linked to a national source. The disadvantage is that there is generally a more

limited pool of homes that are usable in this type of analysis. Homes with significant updates or renovations between sales are less reliable and extended periods of time between the sales could lead to less reliable results.

I have attempted to minimize any usage of homes with updates, though there are a few examples of those as discussed in the data. I have also attempted to minimize the usage of homes with extended period of time between the first and second sale.

C. Paired Sale/Matched Pair Analysis

In the market data I was able to identify a number of home sales where I was able to complete a Paired Sale or Matched Pair Analysis. The summary of that data is shown on the next page.

The Matched Pairs includes 47 examples with impacts ranging from -7% to +12% with an average impact of +1% and a median impact of +0%.

The closest adjoining home is 155 feet and the range of solar projects range from 2.7 MW up to 617 MW.

The Matched Pair Analysis includes numerous examples and many were also supported with supporting broker data, which strengthens the reliability of these results. Furthermore, these results show a very similar breakdown of values to the Sale/Resale Analysis.

Residential Dwelling Matched Pairs Adjoining Solar Farms

Pair	Solar Farm	City	State	Area	MW	Approx Distance	Tax ID/Address	Date	Sale Price	Adj. Sale Price	% Diff
1	Crittenden	Crittenden	KY	Suburban	2.7	373	250 Claiborne	Jan-19	$120,000		
							315 N Fork	May-19	$107,000	$120,889	-1%
2	Crittenden	Crittenden	KY	Suburban	2.7	488	300 Clairborne	Sep-18	$213,000		
							1795 Bay Valley	Dec-17	$231,200	$228,180	-7%
3	Crittenden	Crittenden	KY	Suburban	2.7	720	350 Clairborne	Jul-18	$245,000		
							2160 Sherman	Jun-19	$265,000	$248,225	-1%
4	Crittenden	Crittenden	KY	Suburban	2.7	930	370 Clairborne	Aug-19	$273,000		
							125 Lexington	Apr-18	$240,000	$254,751	7%
5	Crittenden	Crittenden	KY	Suburban	2.7	365	250 Clairborne	Jan-22	$210,000		
							240 Shawnee	Jun-21	$166,000	$219,563	-5%
6	Crittenden	Crittenden	KY	Suburban	2.7	390	260 Clairborne	Oct-21	$175,000		
							355 Oakwood	Oct-20	$186,000	$173,988	1%
7	Crittenden	Crittenden	KY	Suburban	2.7	570	300 Clairborne	Dec-21	$290,000		
							39 Pinhook	Mar-22	$299,000	$289,352	0%
8	Crittenden	Crittenden	KY	Suburban	2.7	1080	410 Clairborne	Feb-21	$275,000		
							114 Austin	Dec-20	$248,000	$279,680	-2%
9	Mulberry	Selmer	TN	Rural	5	400	0900A011	Jul-14	$130,000		
							099CA043	Feb-15	$148,900	$136,988	-5%
10	Mulberry	Selmer	TN	Rural	5	400	099CA002	Jul-15	$130,000		
							0990NA040	Mar-15	$120,000	$121,200	7%
11	Mulberry	Selmer	TN	Rural	5	480	491 Dusty	Oct-16	$176,000		
							35 April	Aug-16	$185,000	$178,283	-1%
12	Mulberry	Selmer	TN	Rural	5	650	297 Country	Sep-16	$150,000		
							53 Glen	Mar-17	$126,000	$144,460	4%
13	Mulberry	Selmer	TN	Rural	5	685	57 Cooper	Feb-19	$163,000		
							191 Amelia	Aug-18	$132,000	$155,947	4%
14	Dominion	Indianapolis	IN	Rural	8.6	400	2013249 (Tax ID)	Dec-15	$140,000		
							5723 Minden	Nov-16	$139,900	$132,700	5%
15	Dominion	Indianapolis	IN	Rural	8.6	400	2013251 (Tax ID)	Sep-17	$160,000		
							5910 Mosaic	Aug-16	$146,000	$152,190	5%
16	Dominion	Indianapolis	IN	Rural	8.6	400	2013252 (Tax ID)	May-17	$147,000		
							5836 Sable	Jun-16	$141,000	$136,165	7%
17	Dominion	Indianapolis	IN	Rural	8.6	400	2013258 (Tax ID)	Dec-15	$131,750		
							5904 Minden	May-16	$130,000	$134,068	-2%
18	Dominion	Indianapolis	IN	Rural	8.6	400	2013260 (Tax ID)	Mar-15	$127,000		
							5904 Minden	May-16	$130,000	$128,957	-2%
19	Dominion	Indianapolis	IN	Rural	8.6	400	2013261 (Tax ID)	Feb-14	$120,000		
							5904 Minden	May-16	$130,000	$121,930	-2%
20	Clarke Cnty	White Post	VA	Rural	20	1230	833 Nations Spr	Jan-17	$295,000		
							6801 Middle	Dec-17	$249,999	$296,157	0%
21	Walker	Barhamsville	VA	Rural	20	250	5241 Barham	Oct-18	$264,000		
							9252 Ordinary	Jun-19	$277,000	$246,581	7%
22	Clarke Cnty	White Post	VA	Rural	20	1230	833 Nations Spr	Aug-19	$385,000		
							2393 Old Chapel	Aug-20	$330,000	$389,286	-1%
23	Sappony	Stony Creek	VA	Rural	20	1425	12511 Palestine	Jul-18	$128,400		
							6494 Rocky Branch	Nov-18	$100,000	$131,842	-3%
24	DG Amp	Piqua	OH	Suburban	12.6	155	6060 N Washingtor	Oct-19	$119,500		
							1511 Sweetbriar	Aug-20	$123,000	$118,044	1%
25	DG Amp	Piqua	OH	Suburban	12.6	585	1011 Plymouth	Feb-20	$113,000		
							1720 Williams	Dec-19	$119,900	$111,105	2%
26	DG Amp	Piqua	OH	Suburban	12.6	155	6010 N Washingtor	Aug-21	$176,900		
							1834 Wilshire	Dec-21	$168,900	$172,354	3%

	Solar Farm	City	State	Area	MW	Approx Distance	Tax ID/Address	Date	Sale Price	Adj. Sale Price	% Diff
27	DG Amp	Piqua	OH	Suburban	12.6	160	6240 N Washingtor	Oct-21	$155,000		
							424 Pinewood	May-22	$151,000	$145,627	6%
28	Spotsylvania	Paytes	VA	Rural	617	1270	12901 Orange Plnk	Aug-20	$319,900		
							12717 Flintlock	Dec-20	$290,000	$326,767	-2%
29	Spotsylvania	Paytes	VA	Rural	617	1950	9641 Nottoway	May-20	$449,900		
							11626 Forest	Aug-20	$489,900	$430,246	4%
30	Spotsylvania	Paytes	VA	Rural	617	1171	13353 Post Oak	Sep-20	$300,000		
							12810 Catharpin	Jan-20	$280,000	$299,008	0%
31	Whitehorn	Gretna	VA	Rural	50	255	1120 Taylors Mill	Dec-21	$224,000		
							100 Long Branch	Aug-20	$162,000	$213,920	5%
32	Solidago	Windsor	VA	Rural	20	610	17479 Courthouse	Dec-23	$555,000		
							15414 Trump Towr	Sep-23	$463,000	$552,197	1%
33	Solidago	Windsor	VA	Rural	20	630	6568 Beechland	Feb-24	$671,500		
							11497 Dews Plant.	Oct-23	$640,000	$665,000	1%
34	Spotsylvania	Spotsylvania	VA	Rural	617	435	11710 Southview	May-22	$767,945		
							10919 Green Leaf	Jun-22	$739,990	$728,424	5%
35	Spotsylvania	Spotsylvania	VA	Rural	617	410	11606 Aprils	Sep-23	$711,400		
							11701 Quail Run	Jul-23	$650,000	$723,383	-2%
36	Altavista	Altavista	VA	Rural	80	745	2049 Bishop Crk	Jul-23	$375,000		
							1900 Woodhaven	Aug-22	$355,000	$395,198	-5%
37	Buckingham	Cumberland	VA	Rural	40	380	24081 E James An	Jun-23	$160,000		
							755 High Sch	Sep-23	$190,000	$162,400	-2%
38	Buckingham	Cumberland	VA	Rural	40	560	23225 E James An	Jun-23	$180,000		
							17534 E James An	Jan-24	$205,000	$185,440	-3%
39	Spotsylvania	Spotsylvania	VA	Rural	617	1252	9811 Deer Park	Jun-22	$455,000		
							8109 Newton	Mar-22	$450,000	$447,900	2%
40	Spotsylvania	Spotsylvania	VA	Rural	617	1020	13000 W Catharpia	Jun-22	$450,000		
							14207 Cedar Plant	Jul-23	$473,800	$472,015	-5%
41	Spotsylvania	Spotsylvania	VA	Rural	617	1060	12819 Faulconers	Oct-23	$538,000		
							9811 Catharpin	Nov-23	$480,000	$508,753	5%
42	Spotsylvania	Spotsylvania	VA	Rural	617	395	11239 Chancellor	Mar-23	$499,900		
							9651 Meadows	Jul-23	$515,000	$506,012	-1%
43	Crane	Burns City	IN	Rural	24.3	440	21893 Golf Club	Sep-22	$296,000		
							12889 N US 231	Jul-22	$325,000	$304,919	-3%
44	Bellflower 1	Lewisville	IN	Rural	152	360	9559 S CR 225 W	Jan-24	$650,000		
							1068 Landmark	Jul-23	$565,900	$571,382	12%
45	Riverstart	Winchester	IN	Rural	200	1205	6535 S 500 W	Feb-22	$129,900		
							113 N Main	Oct-22	$142,900	$118,634	9%
46	Riverstart	Winchester	IN	Rural	200	677	3928 W 600 S	Feb-22	$250,000		
							4095 N 1000	Jan-22	$281,250	$237,956	5%
47	White House	Louisa	VA	Rural	20	1780	751 Chalklevel	Apr-24	$260,000		
							1404 Jefferson	May-24	$219,700	$249,140	4%

	MW	Avg. Distance
Average	141.02	675
Median	20.00	488
High	617.00	1950
Low	2.70	155

	Indicated Impact
Average	1%
Median	0%
High	12%
Low	-7%

D. Summary of Broker Opinions from Research

From the research identified in the earlier section, I was able to identify and speak with the brokers identified below. The full comments provided by the brokers are shown in the market research, but the summary below shows that 13 of the 14 brokers who had sold a home adjoining a solar development identified no impact on property value. The one broker who identified a sale that "maybe" was impacted also confirmed a different home that definitely was not impacted by the adjacent solar project that was even closer than the one where "maybe" it did.

Residential Dwelling Matched Pairs Adjoining Solar Farms

#	Solar Farm	City	State	MW	Approx Distance	Tax ID/Address	Date	Sale Price	Impact	Broker
1	Crittenden	Crittenden	KY	2.7	365	250 Clairborne	Jan-22	$210,000	No	Lisa Ann Lay
2	Crittenden	Crittenden	KY	2.7	390	260 Clairborne	Oct-21	$175,000	No	Jim Dalton
3	Crittenden	Crittenden	KY	2.7	500	289 Clairborne	Mar-24	$295,500	No	Carol Jackson
4	Crittenden	Logan Cnty	KY	173	1900	557 J Montgomery	Dec-21	$185,000	No	Dewayne Whittaker
5	Kokomo 1	Kokomo	IN	5.4	145	1049 S. Leeds	Dec-23	$129,900	No	Jennifer Lane
6	Logansport	Logansport	IN	16	260	1015 Pink	Dec-21	$135,000	No	Cindy Heinzman
7	Dunns Bridge	Wheatfield	IN	435	910	1546 E 1225 N	Feb-22	$499,900	No	Dan Walstra
8	Crittenden	Mulberry	TN	16	480	491 Dusty	Oct-16	$176,000	No	Rhonda Wheeler
9	Walker-Corr.	Barhamsville	VA	20	250	5241 Barham	Oct-18	$264,000	No	Alex Uminski, SRA
10	Walker-Corr.	Barhamsville	VA	20	510	5300 Barham	Apr-17	$358,000	No	Patrick McCrery
11	Solidago	Windsor	VA	20	610	17479 Courthouse	Dec-23	$555,000	No	Anna Boyer
12	Cavalier	Elberon	VA	20	850	6568 Beechland	Jun-24	$535,000	Maybe	Anna Boyer
13	Bellflower	Spiceland	IN	152.5	2200	2312 US Hwy 40	Apr-24	$155,000	No	Jason Loveless
14	Bellflower	Spiceland	IN	152.5	360	9559 S Cnty Rd 225	Jan-24	$650,000	No	Kayla Walker

Yes	0
No	13
Maybe	1

X. Supporting Data

A. Southeast Data

I have been compiling data across numerous states and the following chart identifies the solar projects throughout the Southeast. I have focused on projects 5 MW or larger.

Southeast USA Over 5 MW
Matched Pair Summary

							Adj. Uses By Acreage				1 mile Radius (2010-2022 Data		
	Name	City	State	Acres	MW	Topo Shift	Res	Ag	Ag/Res	Com/Ind	Pop.	Med. Income	Avg. Housing Unit
1	AM Best	Goldsboro	NC	38	5.00	2	38%	0%	23%	39%	1,523	$37,358	$148,375
2	Mulberry	Selmer	TN	160	5.00	60	13%	73%	10%	3%	467	$40,936	$171,746
3	Leonard	Hughesville	MD	47	5.00	20	18%	75%	0%	6%	525	$106,550	$350,000
4	Gastonia SC	Gastonia	NC	35	5.00	48	33%	0%	23%	44%	4,689	$35,057	$126,562
5	Summit	Moyock	NC	2,034	80.00	4	4%	0%	94%	2%	382	$79,114	$281,731
6	Tracy	Bailey	NC	50	5.00	10	29%	0%	71%	0%	312	$43,940	$99,219
7	Manatee	Parrish	FL	1,180	75.00	20	2%	97%	1%	0%	48	$75,000	$291,667
8	McBride	Midland	NC	627	75.00	140	12%	10%	78%	0%	398	$63,678	$256,306
9	Mariposa	Stanley	NC	36	5.00	96	48%	0%	52%	0%	1,716	$36,439	$137,884
10	Clarke Cnty	White Post	VA	234	20.00	70	14%	39%	46%	1%	578	$81,022	$374,453
11	Candace	Princeton	NC	54	5.00	22	76%	24%	0%	0%	448	$51,002	$107,171
12	Walker	Barhamsville	VA	485	20.00	N/A	12%	68%	20%	0%	203	$80,773	$320,076
13	Innov 46	Hope Mills	NC	532	78.50	0	17%	83%	0%	0%	2,247	$58,688	$183,435
14	Innov 42	Fayetteville	NC	414	71.00	0	41%	59%	0%	0%	568	$60,037	$276,347
15	Sunfish	Willow Spring	NC	50	6.40	30	35%	35%	30%	0%	1,515	$63,652	$253,138
16	Sappony	Stony Crk	VA	322	20.00	N/A	2%	98%	0%	0%	74	$51,410	$155,208
17	Camden Dam	Camden	NC	50	5.00	0	17%	72%	11%	0%	403	$84,426	$230,288
18	Grandy	Grandy	NC	121	20.00	10	55%	24%	0%	21%	949	$50,355	$231,408
19	Champion	Pelion	SC	100	10.00	N/A	4%	70%	8%	18%	1,336	$46,867	$171,939
20	Barefoot Bay	Barefoot Bay	FL	504	74.50	0	11%	87%	0%	3%	2,446	$36,737	$143,320
21	Miami-Dade	Miami	FL	347	74.50	0	26%	74%	0%	0%	127	$90,909	$403,571
22	Spotyslvania	Paytes	VA	3,500	617.00	160	37%	52%	11%	0%	74	$120,861	$483,333
23	Whitehorn	Gretna	VA	N/A	50.00	N/A	N/A	N/A	N/A	N/A	166	$43,179	$168,750
24	Altavista	Altavista	VA	720	80.00	N/A	N/A	N/A	N/A	N/A	7	$50,000	$341,667
25	Hattiesburg	Hattiesburg	MS	400	50.00	N/A	10%	85%	5%	0%	1,065	$28,545	$129,921
26	Solidago	Isle of Wight	VA	193	20.00	N/A	N/A	N/A	N/A	N/A	62	$88,375	$312,500
27	Buckingham	Cumberland	VA	240	39.80	50	4%	6%	90%	0%	120	$59,445	$251,562
28	Twiggs	Dry Branch	GA	N/A	200.00	N/A	N/A	N/A	N/A	N/A	15	$55,000	$50,000
29	Kings Bay	Kings Bay	GA	N/A	30.00	N/A	N/A	N/A	N/A	N/A	721	$102,293	$364,808
30	Dougherty	Albany	GA	N/A	120.00	N/A	N/A	N/A	N/A	N/A	30	$60,354	$204,167
31	Mustang	Robbins	NC	50	5.00	N/A	N/A	N/A	N/A	N/A	941	$54,430	$369,398
32	Bedford	Chesapeake	VA	N/A	70.00	N/A	N/A	N/A	N/A	N/A	993	$127,047	$509,365
33	Mt. Olive Crk	Russell Spr	KY	421	60.00	N/A	N/A	N/A	N/A	N/A	149	$60,646	$152,778
34	EW Brown	Harrodsburg	KY	50	10.00	N/A	3%	44%	29%	25%	182	$68,772	$294,444
35	Logan Cnty	Russellville	KY	1,100	173.00	N/A	N/A	N/A	N/A	N/A	177	$54,545	$284,459
	Average			470	62.56	37	22%	47%	24%	6%	733	$64,213	$246,600
	Median			237	30.00	20	17%	52%	11%	0%	403	$59,445	$251,562
	High			3,500	617.00	160	76%	98%	94%	44%	4,689	$127,047	$509,365
	Low			35	5.00	0	2%	0%	0%	0%	7	$28,545	$50,000

From these solar projects I have identified 77 data points (combined Sale/Resale, Matched Pair and Broker Opinions) as summarized below.

	MW	Avg. Distance		Indicated Impact
Average	106.39	631	**Average**	1%
Median	30.00	505	**Median**	1%
High	617.00	1,950	**High**	10%
Low	5.00	145	**Low**	-10%

B. National Data

Matched Pair Summary							Adj. Uses By Acreage				1 mile Radius (2020 Data)		
	Name	City	State	Acres	MW	Topo Shift	Res	Ag	Ag/Res	Com/Ind	Population	Med. Income	Avg. Housing Unit
1	AM Best	Goldsboro	NC	38	5.00	2	38%	0%	23%	39%	1,523	$37,358	$148,375
2	Mulberry	Selmer	TN	160	5.00	60	13%	73%	10%	3%	467	$40,936	$171,746
3	Leonard	Hughesville	MD	47	5.00	20	18%	75%	0%	6%	525	$106,550	$350,000
4	Gastonia SC	Gastonia	NC	35	5.00	48	33%	0%	23%	44%	4,689	$35,057	$126,562
5	Summit	Moyock	NC	2,034	80.00	4	4%	0%	94%	2%	382	$79,114	$281,731
6	Tracy	Bailey	NC	50	5.00	10	29%	0%	71%	0%	312	$43,940	$99,219
7	Manatee	Parrish	FL	1,180	75.00	20	2%	97%	1%	0%	48	$75,000	$291,667
8	McBride	Midland	NC	627	75.00	140	12%	10%	78%	0%	398	$63,678	$256,306
9	Grand Ridge	Streator	IL	160	20.00	1	8%	87%	5%	0%	96	$70,158	$187,037
10	Dominion	Indianapolis	IN	134	8.60	20	3%	97%	0%	0%	3,774	$61,115	$167,515
11	Mariposa	Stanley	NC	36	5.00	96	48%	0%	52%	0%	1,716	$36,439	$137,884
12	Clarke Cnty	White Post	VA	234	20.00	70	14%	39%	46%	1%	578	$81,022	$374,453
13	Flemington	Flemington	NJ	120	9.36	N/A	13%	50%	28%	8%	3,477	$105,714	$444,696
14	Frenchtown	Frenchtown	NJ	139	7.90	N/A	37%	35%	29%	0%	457	$111,562	$515,399
15	McGraw	East Windsor	NJ	95	14.00	N/A	27%	44%	0%	29%	7,684	$78,417	$362,428
16	Tinton Falls	Tinton Falls	NJ	100	16.00	N/A	98%	0%	0%	2%	4,667	$92,346	$343,492
17	Simon	Social Circle	GA	237	30.00	71	1%	63%	36%	0%	203	$76,155	$269,922
18	Candace	Princeton	NC	54	5.00	22	76%	24%	0%	0%	448	$51,002	$107,171
19	Walker	Barhamsville	VA	485	20.00	N/A	12%	68%	20%	0%	203	$80,773	$320,076
20	Innov 46	Hope Mills	NC	532	78.50	0	17%	83%	0%	0%	2,247	$58,688	$183,435
21	Innov 42	Fayetteville	NC	414	71.00	0	41%	59%	0%	0%	568	$60,037	$276,347
22	Demille	Lapeer	MI	160	28.40	10	10%	68%	0%	22%	2,010	$47,208	$187,214
23	Turrill	Lapeer	MI	230	19.60	10	75%	59%	0%	25%	2,390	$46,839	$110,361
24	Sunfish	Willow Spring	NC	50	6.40	30	35%	35%	30%	0%	1,515	$63,652	$253,138
25	Picture Rocks	Tucson	AZ	182	20.00	N/A	6%	88%	6%	0%	102	$81,081	$280,172
26	Avra Valley	Tucson	AZ	246	25.00	N/A	3%	94%	3%	0%	85	$80,997	$292,308
27	Sappony	Stony Crk	VA	322	20.00	N/A	2%	98%	0%	0%	74	$51,410	$155,208
28	Camden Dam	Camden	NC	50	5.00	0	17%	72%	11%	0%	403	$84,426	$230,288
29	Grandy	Grandy	NC	121	20.00	10	55%	24%	0%	21%	949	$50,355	$231,408
30	Champion	Pelion	SC	100	10.00	N/A	4%	70%	8%	18%	1,336	$46,867	$171,939
31	Eddy II	Eddy	TX	93	10.00	N/A	15%	25%	58%	2%	551	$59,627	$139,088
32	Somerset	Somerset	TX	128	10.60	N/A	5%	95%	0%	0%	1,293	$41,574	$135,490
33	DG Amp Piqua	Piqua	OH	86	12.60	2	26%	16%	58%	0%	6,735	$38,919	$96,555
34	Barefoot Bay	Barefoot Bay	FL	504	74.50	0	11%	87%	0%	3%	2,446	$36,737	$143,320
35	Miami-Dade	Miami	FL	347	74.50	0	26%	74%	0%	0%	127	$90,909	$403,571
36	Spotyslvania	Paytes	VA	3,500	617.00	160	37%	52%	11%	0%	74	$120,861	$483,333
37	Whitehorn	Gretna	VA	N/A	50.00	N/A	N/A	N/A	N/A	N/A	166	$43,179	$168,750
38	Altavista	Altavista	VA	720	80.00	N/A	N/A	N/A	N/A	N/A	7	$50,000	$341,667
39	Hattiesburg	Hattiesburg	MS	400	50.00	N/A	10%	85%	5%	0%	1,065	$28,545	$129,921
40	Bremen	Bremen	IN	37	6.80	15	40%	60%	0%	0%	388	$62,855	$232,857
41	North Rock	Fulton	WI	472	50.00	N/A	3%	40%	57%	0%	236	$86,238	$370,062
42	Wood County	Saratoga	WI	1,200	150.00	N/A	N/A	N/A	N/A	N/A	187	$74,110	$204,545
43	Solidago	Isle of Wight	VA	193	20.00	N/A	N/A	N/A	N/A	N/A	62	$88,375	$312,500
44	Buckingham	Cumberland	VA	240	39.80	50	4%	6%	90%	0%	120	$59,445	$251,562
45	Crane	Burns City	IN	182	24.30	100	N/A	N/A	N/A	N/A	114	$68,227	$273,077
46	Kokomo 1	Kokomo	IN	83	5.40	5	30%	36%	0%	34%	8,656	$50,193	$168,723
47	White Tail 1	Mowersville	PA	135	13.50	20	2%	73%	25%	0%	254	$81,086	$354,297
48	Twiggs	Dry Branch	GA	N/A	200.00	N/A	N/A	N/A	N/A	N/A	15	$55,000	$50,000
49	Kings Bay	Kings Bay	GA	N/A	30.00	N/A	N/A	N/A	N/A	N/A	721	$102,293	$364,808
50	Dougherty	Albany	GA	N/A	120.00	N/A	N/A	N/A	N/A	N/A	30	$60,354	$204,167
51	Whitetail 2	St Thomas	PA	293	20.00	N/A	N/A	N/A	N/A	N/A	107	$85,844	$274,265
52	Elk Hill 1	Mercersburg	PA	N/A	20.00	N/A	N/A	N/A	N/A	N/A	791	$72,722	$372,932
53	Elk Hill 2	Mercersburg	PA	N/A	15.00	N/A	N/A	N/A	N/A	N/A	454	$81,208	$484,672
54	Cottontail 1	York	PA	N/A	20.00	N/A	N/A	N/A	N/A	N/A	1,495	$84,872	$315,508
55	Cottontail 2	York	PA	N/A	20.00	N/A	N/A	N/A	N/A	N/A	707	$61,415	$383,896

Matched Pair Summary							Adj. Uses By Acreage				1 mile Radius (2020 Data)		
	Name	City	State	Acres	MW	Topo Shift	Res	Ag	Ag/Res	Com/Ind	Population	Med. Income	Avg. Housing Unit
56	Grazing Yak	Calhan	CO	272	35.00	N/A	0%	97%	3%	0%	40	$78,104	$623,214
57	San Luis Vlly	Hooper	CO	308	35.00	N/A	5%	95%	0%	0%	11	$59,164	$450,000
58	SR Jenkins	Ft. Lupton	CO	142	13.00	N/A	2%	90%	8%	0%	129	$114,961	$802,703
59	Big Horn 1	Pueblo	CO	2,760	240.00	N/A	0%	44%	2%	54%	20	$75,000	$400,000
60	Bison/Raw	Wellington	CO	1,160	52.00	N/A	0%	93%	7%	0%	0	$0	$0
61	Alamosa	Mosca	CO	163	30.00	N/A	0%	87%	13%	0%	7	$0	$0
62	Pioneer	Bennett	CO	611	110.00	N/A	3%	81%	16%	0%	67	$82,329	$497,991
63	Sandhill/SunE	Mosca	CO	N/A	10.00	N/A	N/A	N/A	N/A	N/A	4	$0	$0
64	Bellflower 1	Lewisville	IN	N/A	152.50	N/A	N/A	N/A	N/A	N/A	45	$78,261	$215,789
65	Riverstart	Winchester	IN	N/A	200.00	N/A	N/A	N/A	N/A	N/A	47	$75,000	$169,565
66	Mustang	Robbins	NC	50	5.00	N/A	N/A	N/A	N/A	N/A	941	$54,430	$369,398
67	North Star	North Branch	MN	1,099	100.00	N/A	18%	73%	7%	2%	218	$119,700	$323,413
68	Logansport	Logansport	IN	N/A	6.80	N/A	N/A	N/A	N/A	N/A	4,534	$51,694	$122,099
69	Anderson 6	Anderson	IN	N/A	6.80	N/A	N/A	N/A	N/A	N/A	736	$77,343	$181,635
70	Dunns Brdge	Wheatfield	IN	N/A	435.00	N/A	N/A	N/A	N/A	N/A	208	$71,098	$203,986
71	Bedford	Chesapeake	VA	N/A	70.00	N/A	N/A	N/A	N/A	N/A	993	$127,047	$509,365
72	Mt. Olive Crk	Russell Spr	KY	421	60.00	N/A	N/A	N/A	N/A	N/A	149	$60,646	$152,778
73	EW Brown	Harrodsburg	KY	50	10.00	N/A	3%	44%	29%	25%	182	$68,772	$294,444
74	Logan Cnty	Russellville	KY	1,100	173.00	N/A	N/A	N/A	N/A	N/A	177	$54,545	$284,459
	Average			426	56.66	33	19%	56%	19%	7%	1,063	$66,629	$264,701
	Median			182	20.00	18	12%	63%	7%	0%	385	$65,953	$254,722
	High			3,500	617.00	160	98%	98%	94%	54%	8,656	$127,047	$802,703
	Low			35	5.00	0	0%	0%	0%	0%	0	$0	$0

From these 74 solar developments I have identified 138 data points as summarized below.

	MW	Avg. Distance		% Dif
Average	79.17	608	**Average**	1%
Median	20.00	440	**Median**	0%
High	617.00	2,020	**High**	14%
Low	5.00	145	**Low**	-10%

C. Larger Solar Farms Data

I have also considered larger solar farms to address impacts related to larger projects. Projects have been increasing in size and most of the projects between 100 and 1000 MW are newer with little time for adjoining sales. I have included a breakdown of solar farms with 20 MW to 80 MW facilities with one at 617 MW facility.

Matched Pair Summary - @20 MW And Larger							Adj. Uses By Acreage				1 mile Radius (2010-2020 Data)		
	Name	City	State	Acres	MW	Topo Shift	Res	Ag	Ag/Res	Com/Ind	Population	Med. Income	Avg. Housing Unit
1	Summit	Moyock	NC	2,034	80.00	4	4%	0%	94%	2%	382	$79,114	$281,731
2	Manatee	Parrish	FL	1,180	75.00	20	2%	97%	1%	0%	48	$75,000	$291,667
3	McBride	Midland	NC	627	75.00	140	12%	10%	78%	0%	398	$63,678	$256,306
4	Grand Ridge	Streator	IL	160	20.00	1	8%	87%	5%	0%	96	$70,158	$187,037
5	Clarke Cnty	White Post	VA	234	20.00	70	14%	39%	46%	1%	578	$81,022	$374,453
6	Simon	Social Circle	GA	237	30.00	71	1%	63%	36%	0%	203	$76,155	$269,922
7	Walker	Barhamsville	VA	485	20.00	N/A	12%	68%	20%	0%	203	$80,773	$320,076
8	Innov 46	Hope Mills	NC	532	78.50	0	17%	83%	0%	0%	2,247	$58,688	$183,435
9	Innov 42	Fayetteville	NC	414	71.00	0	41%	59%	0%	0%	568	$60,037	$276,347
10	Demille	Lapeer	MI	160	28.40	10	10%	68%	0%	22%	2,010	$47,208	$187,214
11	Turrill	Lapeer	MI	230	19.60	10	75%	59%	0%	25%	2,390	$46,839	$110,361
12	Picure Rocks	Tucson	AZ	182	20.00	N/A	6%	88%	6%	0%	102	$81,081	$280,172
13	Avra Valley	Tucson	AZ	246	25.00	N/A	3%	94%	3%	0%	85	$80,997	$292,308
14	Sappony	Stony Crk	VA	322	20.00	N/A	2%	98%	0%	0%	74	$51,410	$155,208
15	Grandy	Grandy	NC	121	20.00	10	55%	24%	0%	21%	949	$50,355	$231,408
16	Barefoot Bay	Barefoot Bay	FL	504	74.50	0	11%	87%	0%	3%	2,446	$36,737	$143,320
17	Miami-Dade	Miami	FL	347	74.50	0	26%	74%	0%	0%	127	$90,909	$403,571
18	Spotyslvania	Paytes	VA	3,500	617.00	160	37%	52%	11%	0%	74	$120,861	$483,333
19	Whitehorn	Gretna	VA	N/A	50.00	N/A	N/A	N/A	N/A	N/A	166	$43,179	$168,750
20	Altavista	Altavista	VA	720	80.00	N/A	N/A	N/A	N/A	N/A	7	$50,000	$341,667
21	Solidago	Isle of Wight	VA	193	20.00	N/A	N/A	N/A	N/A	N/A	62	$88,375	$312,500
22	Hattiesburg	Hattiesburg	MS	400	50.00	N/A	10%	85%	5%	0%	1,065	$28,545	$129,921
23	North Rock	Fulton	WI	472	50.00	N/A	3%	40%	57%	0%	236	$86,238	$370,062
24	Wood County	Saratoga	WI	1,200	150.00	N/A	N/A	N/A	N/A	N/A	187	$74,110	$204,545
25	Buckingham	Cumberland	VA	240	39.80	50	4%	6%	90%	0%	120	$59,445	$251,562
26	Crane	Burns City	IN	182	24.30	100	N/A	N/A	N/A	N/A	114	$68,227	$273,077
27	Twiggs	Dry Branch	GA	N/A	200.00	N/A	N/A	N/A	N/A	N/A	15	$55,000	$50,000
28	Kings Bay	Kings Bay	GA	N/A	30.00	N/A	N/A	N/A	N/A	N/A	721	$102,293	$364,808
29	Dougherty	Albany	GA	N/A	120.00	N/A	N/A	N/A	N/A	N/A	30	$60,354	$204,167
30	Whitetail 2	St Thomas	PA	293	20.00	N/A	N/A	N/A	N/A	N/A	107	$85,844	$274,265
31	Elk Hill 1	Mercersburg	PA	N/A	20.00	N/A	N/A	N/A	N/A	N/A	791	$72,722	$372,932
32	Cottontail 1	York	PA	N/A	20.00	N/A	N/A	N/A	N/A	N/A	1,495	$84,872	$315,508
33	Cottontail 2	York	PA	N/A	20.00	N/A	N/A	N/A	N/A	N/A	707	$61,415	$383,896
34	Grazing Yak	Calhan	CO	272	35.00	N/A	0%	97%	3%	0%	40	$78,104	$623,214
35	San Luis Vlly	Hooper	CO	308	35.00	N/A	5%	95%	0%	0%	11	$59,164	$450,000
36	Big Horn 1	Pueblo	CO	2,760	240.00	N/A	0%	44%	2%	54%	20	$75,000	$400,000
37	Bison/Raw	Wellington	CO	1,160	52.00	N/A	0%	93%	7%	0%	0	$0	$0
38	Alamosa	Mosca	CO	163	30.00	N/A	0%	87%	13%	0%	7	$0	$0
39	Pioneer	Bennett	CO	611	110.00	N/A	3%	81%	16%	0%	67	$82,329	$497,991
40	Bellflower 1	Lewisville	IN	N/A	152.50	N/A	N/A	N/A	N/A	N/A	45	$78,261	$215,789
41	Riverstart	Winchester	IN	N/A	200.00	N/A	N/A	N/A	N/A	N/A	47	$75,000	$169,565
42	North Star	North Branch	MN	1,099	100.00	N/A	18%	73%	7%	2%	218	$119,700	$323,413
43	Dunns Brdge	Wheatfield	IN	N/A	435.00	N/A	N/A	N/A	N/A	N/A	208	$71,098	$203,986
44	Bedford	Chesapeake	VA	N/A	70.00	N/A	N/A	N/A	N/A	N/A	993	$127,047	$509,365
	Average			654	84.59		14%	66%	18%	5%	465	$69,031	$275,883
	Median			347	50.00		7%	74%	5%	0%	147	$73,416	$275,306
	High			3,500	617.00		75%	98%	94%	54%	2,446	$127,047	$623,214
	Low			121	19.60		0%	0%	0%	0%	0	$0	$0

The breakdown of adjoining uses, population density, median income and housing prices for these projects are very similar to those of the larger set. The matched pairs for each of these were considered earlier and support a finding of no negative impact on the adjoining home values.

I have included a breakdown of solar farms with 50 MW to 617 MW facilities adjoining.

Matched Pair Summary							Adj. Uses By Acreage				1 mile Radius (2010-2020 Data)		
	Name	City	State	Acres	MW	Topo Shift	Res	Ag	Ag/Res	Com/Ind	Population	Med. Income	Avg. Housing Unit
1	Summit	Moyock	NC	2,034	80.00	4	4%	0%	94%	2%	382	$79,114	$281,731
2	Manatee	Parrish	FL	1,180	75.00	20	2%	97%	1%	0%	48	$75,000	$291,667
3	McBride	Midland	NC	627	75.00	140	12%	10%	78%	0%	398	$63,678	$256,306
4	Innov 46	Hope Mills	NC	532	78.50	0	17%	83%	0%	0%	2,247	$58,688	$183,435
5	Innov 42	Fayetteville	NC	414	71.00	0	41%	59%	0%	0%	568	$60,037	$276,347
6	Barefoot Bay	Barefoot Bay	FL	504	74.50	0	11%	87%	0%	3%	2,446	$36,737	$143,320
7	Miami-Dade	Miami	FL	347	74.50	0	26%	74%	0%	0%	127	$90,909	$403,571
8	Spotyslvania	Paytes	VA	3,500	617.00	160	37%	52%	11%	0%	74	$120,861	$483,333
9	Hattiesburg	Hattiesburg	MS	400	50.00	N/A	10%	85%	5%	0%	1,065	$28,545	$129,921
10	North Rock	Fulton	WI	472	50.00	N/A	3%	40%	57%	0%	236	$86,238	$370,062
11	Wood County	Saratoga	WI	1,200	150.00	N/A	N/A	N/A	N/A	N/A	187	$74,110	$204,545
12	Twiggs	Dry Branch	GA	N/A	200.00	N/A	N/A	N/A	N/A	N/A	15	$55,000	$50,000
13	Dougherty	Albany	GA	N/A	120.00	N/A	N/A	N/A	N/A	N/A	30	$60,354	$204,167
14	Big Horn 1	Pueblo	CO	2,760	240.00	N/A	0%	44%	2%	54%	20	$75,000	$400,000
15	Bison/Raw	Wellington	CO	1,160	52.00	N/A	0%	93%	7%	0%	0	$0	$0
16	Pioneer	Bennett	CO	611	110.00	N/A	3%	81%	16%	0%	67	$82,329	$497,991
17	Bellflower 1	Lewisville	IN	N/A	152.50	N/A	N/A	N/A	N/A	N/A	45	$78,261	$215,789
18	Riverstart	Winchester	IN	N/A	200.00	N/A	N/A	N/A	N/A	N/A	47	$75,000	$169,565
19	North Star	North Branch	MN	1,099	100.00	N/A	18%	73%	7%	2%	218	$119,700	$323,413
20	Dunns Brdge	Wheatfield	IN	N/A	435.00	N/A	N/A	N/A	N/A	N/A	208	$71,098	$203,986
21	Bedford	Chesapeake	VA	N/A	70.00	N/A	N/A	N/A	N/A	N/A	993	$127,047	$509,365
	Average			1,123	146	41	13%	63%	20%	4%	449	$72,272	$266,596
	Median			627	80	2	11%	74%	6%	0%	187	$75,000	$256,306
	High			3,500	617	160	41%	97%	94%	54%	2,446	$127,047	$509,365
	Low			347	50	0	0%	0%	0%	0%	0	$0	$0

The breakdown of adjoining uses, population density, median income and housing prices for these projects are very similar to those of the larger set. The matched pairs for each of these were considered earlier and support a finding of no negative impact on the adjoining home values.

The data for these larger solar farms is shown in the SE USA and the National data breakdowns with similar landscaping, setbacks and range of impacts that fall mostly in the +/-5% range as can be seen earlier in this report.

On the following page I show a summary of 248 projects ranging in size from 50 MW up to 1,000 MW with an average size of 119.7 MW and a median of 80 MW. The average closest distance for an adjoining home is 365 feet, while the median distance is 220 feet. The closest distance is 50 feet. The mix of adjoining uses is similar with most of the adjoining uses remaining residential or agricultural in nature. This is the list of solar farms that I have researched for possible matched pairs and not a complete list of larger solar farms in those states.

Total Number of Solar Farms Researched Over 50 MW 238

	Output (MW)	Total Acres	Used Acres	Avg. Dist to home	Closest Home	Adjoining Use by Acre Res	Agri	Agri/Res	Com
Average	119.7	1521.4	1223.3	1092	365	10%	68%	18%	4%
Median	80.0	987.3	805.5	845	220	7%	72%	12%	0%
High	1000.0	19000.0	9735.4	6835	6810	98%	100%	100%	70%
Low	50.0	3.0	3.0	241	50	0%	0%	0%	0%

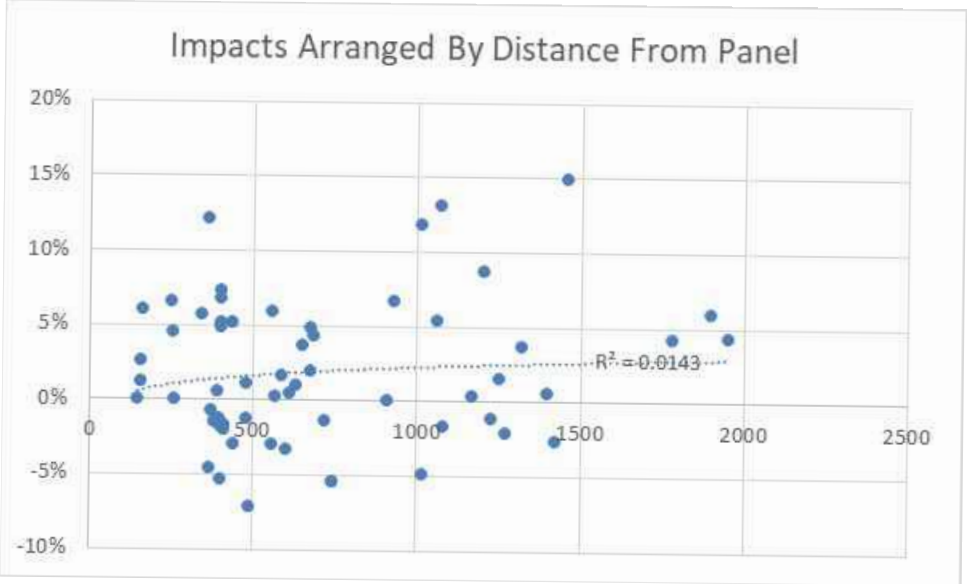
D. Distance Between Homes and Panels

I have measured distances at matched pairs as close as 105 feet between panel and home to show no impact on value. This measurement goes from the closest point on the home to the closest solar panel. This is a strong indication that at this distance there is no impact on adjoining homes.

However, in tracking other approved solar farms across Kentucky, North Carolina and other states, I have found that it is common for there to be homes within 100 to 150 feet of solar panels. Given the visual barriers in the form of privacy fencing or landscaping, there is no sign of negative impact.

I have also tracked a number of locations where solar panels are between 50 and 100 feet of single-family homes. In these cases the landscaping is typically a double row of more mature evergreens at time of planting. There are many examples of solar farms with one or two homes closer than 100-feet, but most of the adjoining homes are further than that distance.

I looked specifically at the Sale/Resale data points and Matched Pair Data points showing the percentage difference and charted that against the distance from home to panel to generate the chart below showing the relative measured impacts to the distances identified as well as the trendline for all of these data points. The best trendline shows a levelling of the impacts with the closest homes showing a trend at 0% impact around 150 feet. Again, even minor negatives on this chart would be consistent with typical market deviation.



E. Topography

As shown on the summary charts for the solar farms, I have been identifying the topographic shifts across the solar farms considered. Differences in topography can impact visibility of the panels, though typically this results in distant views of panels as opposed to up close views. The topography noted for solar farms showing no impact on adjoining home values range from as much as 160-foot shifts across the project. Given that appearance is the only factor of concern and that distance plus landscape buffering typically addresses up close views, this leaves a number of potentially distant views of panels. I specifically note that in Crittenden in KY there are distant views of panels from the adjoining homes that showed no impact on value.

General rolling terrain with some distant solar panel views are showing no impact on adjoining property value.

F. Potential Impacts During Construction

I have previously been asked by the Kentucky Siting Board about potential impacts during construction. This is not a typical question I get as any development of a site will have a certain amount of construction, whether it is for a commercial agricultural use such as large-scale poultry operations or a new residential subdivision. Construction will be temporary and consistent with other development uses of the land and in fact dust from the construction will likely be less than most other construction projects given the minimal grading. I would not anticipate any impacts on property value due to construction on the site.

I note that in the matched pairs that I have included there have been a number of home sales that happened after a solar farm was approved but before the solar farm was built showing no impact on property value. Therefore the anticipated construction had no impact as shown by that data.

G. Scope of Research

I have researched over 1,000 solar farms and sites on which solar farms are existing and proposed in Kentucky, Illinois, Tennessee, North Carolina, Virginia as well as other states to determine what uses are typically found in proximity with a solar farm. The data I have collected and provide in this report strongly supports the assertion that solar farms are having no negative consequences on adjoining agricultural and residential values.

Beyond these references, I have quantified the adjoining uses for a number of solar farm comparables to derive a breakdown of the adjoining uses for each solar farm. The chart below shows the breakdown of adjoining or abutting uses by total acreage.

Percentage By Adjoining Acreage

	Res	Ag	Res/AG	Comm	Ind	Avg Home	Closest Home	All Res Uses	All Comm Uses
Average	19%	53%	20%	2%	6%	887	344	91%	8%
Median	11%	56%	11%	0%	0%	708	218	100%	0%
High	100%	100%	100%	93%	98%	5,210	4,670	100%	98%
Low	0%	0%	0%	0%	0%	90	25	0%	0%

Res = Residential, Ag = Agriculture, Com = Commercial

Total Solar Farms Considered: 705

I have also included a breakdown of each solar farm by number of adjoining parcels to the solar farm rather than based on adjoining acreage. Using both factors provides a more complete picture of the neighboring properties.

Percentage By Number of Parcels Adjoining

	Res	Ag	Res/AG	Comm	Ind	Avg Home	Closest Home	All Res Uses	All Comm Uses
Average	61%	24%	9%	2%	4%	887	344	93%	6%
Median	65%	19%	5%	0%	0%	708	218	100%	0%
High	100%	100%	100%	60%	78%	5,210	4,670	105%	78%
Low	0%	0%	0%	0%	0%	90	25	0%	0%

Res = Residential, Ag = Agriculture, Com = Commercial

Total Solar Farms Considered: 705

Both of the above charts show a marked residential and agricultural adjoining use for most solar farms. Every single solar farm considered included an adjoining residential or residential/agricultural use.

H. Specific Factors Related To Impacts on Value

I have completed a number of Impact Studies related to a variety of uses and I have found that the most common areas for impact on adjoining values typically follow a hierarchy with descending levels of potential impact. I will discuss each of these categories and how they relate to a solar farm.

1. Hazardous material
2. Odor
3. Noise
4. Traffic
5. Stigma
6. Appearance

1. Hazardous material

A solar farm presents no potential hazardous waste byproduct as part of normal operation. Any fertilizer, weed control, vehicular traffic, or construction will be significantly less than typically applied in a residential development and especially most agricultural uses.

The various solar farms that I have inspected and identified in the addenda have no known environmental impacts associated with the development and operation.

2. Odor

The various solar farms that I have inspected produced no odor.

3. Noise

Whether discussing passive fixed solar panels, or single-axis trackers, there is no negative impact associated with noise from a solar farm. The transformer has a hum similar to an HVAC that can only be heard in close proximity and the buffers on the property are sufficient to make emitted sounds effectively inaudible from the adjoining properties. A wide variety of noise studies have been conducted on solar farms to illustrate compatibility between solar properties and nearby residential uses. The noise factor is even less at night.

The various solar farms that I have inspected were inaudible from the roadways.

4. Traffic

The solar farm will have no onsite employee's or staff. The site requires only minimal maintenance. Relative to other potential uses of the site (such as a residential subdivision), the additional traffic generated by a solar farm use on this site is insignificant.

5. Stigma

There is no stigma associated with solar farms and solar farms and people generally respond favorably towards such a use. While an individual may express concerns about proximity to a solar farm, there is no specific stigma associated with a solar farm. Stigma generally refers to things such as adult establishments, prisons, rehabilitation facilities, and so forth.

Solar panels have no associated stigma and in smaller collections are found in yards and roofs in many residential communities. Solar farms are adjoining elementary, middle and high schools as well as churches and subdivisions. I note that one of the solar farms in this report not only adjoins

a church, but is actually located on land owned by the church. Solar panels on a roof are often cited as an enhancement to the property in marketing brochures.

I see no basis for an impact from stigma due to a solar farm.

6. Appearance

I note that larger solar farms using fixed or tracking panels are a passive use of the land that is in keeping with a rural/residential area. As shown below, solar farms are comparable to larger greenhouses. This is not surprising given that a greenhouse is essentially another method for collecting passive solar energy. The greenhouse use is well received in residential/rural areas and has a similar visual impact as a solar farm.









The solar panels are all less than 15 feet high, which means that the visual impact of the solar panels will be similar in height to a typical greenhouse and lower than a single-story residential dwelling. Were the subject property developed with single family housing, that development would have a much greater visual impact on the surrounding area given that a two-story home with attic could be three to four times as high as these proposed panels.

Whenever you consider the impact of a proposed project on viewshed or what the adjoining owners may see from their property it is important to distinguish whether or not they have a protected viewshed or not. Enhancements for scenic vistas are often measured when considering properties that adjoin preserved open space and parks. However, adjoining land with a preferred view today conveys no guarantee that the property will continue in the current use. Any consideration of the impact of the appearance requires a consideration of the wide variety of other uses a property already has the right to be put to, which for solar farms often includes subdivision development, agricultural business buildings such as poultry, or large greenhouses and the like.

Dr. Randall Bell, MAI, PhD, and author of the book **Real Estate Damages**, Third Edition, on Page 146 "Views of bodies of water, city lights, natural settings, parks, golf courses, and other amenities are considered desirable features, particularly for residential properties." Dr. Bell continues on Page

147 that "View amenities may or may not be protected by law or regulation. It is sometimes argued that views have value only if they are protected by a view easement, a zoning ordinance, or covenants, conditions, and restrictions (CC&Rs), although such protections are relatively uncommon as a practical matter. The market often assigns significant value to desirable views irrespective of whether or not such views are protected by law."

Dr. Bell concludes that a view enhances adjacent property, even if the adjacent property has no legal right to that view. He then discusses a "borrowed" view where a home may enjoy a good view of vacant land or property beyond with a reasonable expectation that the view might be partly or completely obstructed upon development of the adjoining land. He follows that with "This same concept applies to potentially undesirable views of a new development when the development conforms to applicable zoning and other regulations. Arguing value diminution in such cases is difficult, since the possible development of the offending property should have been known." In other words, if there is an allowable development on the site then arguing value diminution with such a development would be difficult. This further extends to developing the site with alternative uses that are less impactful on the view than currently allowed uses.

This gets back to the point that if a property has development rights and could currently be developed in such a way that removes the viewshed such as a residential subdivision, then a less intrusive use such as a solar farm that is easily screened by landscaping would not have a greater impact on the viewshed of any perceived value adjoining properties claim for viewshed. Essentially, if there are more impactful uses currently allowed, then how can you claim damages for a less impactful use.

7. Conclusion

On the basis of the factors described above, it is my professional opinion that the proposed solar farm will not negatively impact adjoining property values. The only category of impact of note is appearance, which is addressed through setbacks and landscaping buffers. The matched pair data supports that conclusion.

I. Conclusion

The sale/resale analysis and matched pair analysis show no negative impact in 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 there are sufficient setbacks and/or screenings. The proposed setbacks are further than those measured showing no impact for similar price ranges of homes and for areas with similar demographics to the subject area. Interviews with market participants identified in this report as brokers who have sold homes adjoining solar projects overwhelmingly support a conclusion of no impact on value.

The criteria that typically correlates with downward adjustments on property values such as noise, odor, and traffic all support a finding of no impact on property value. Similar paired sales showed no impact from adjoining battery storage facilities.

Very similar solar farms in very similar areas have been found by hundreds of towns and counties not to have a substantial injury to abutting or adjoining properties, and many of those findings of no impact have been upheld by appellate courts. Similar solar farms have been approved adjoining agricultural uses, schools, churches, and residential developments.

I have found no difference in the mix of adjoining uses or proximity to adjoining homes based on the size of a solar farm and I have found no significant difference in the matched pair data adjoining larger solar farms versus smaller solar farms. The data in the Southeast is consistent with the larger set of data that I have nationally, as is the more specific data located in and around Kentucky.

Based on the data and analysis in this report, it is my professional opinion that the solar farm proposed at the subject property will have no negative impact on the value of adjoining or abutting property. I note that some of the positive implications of a solar farm that have been expressed by people living next to solar farms include protection from future development of residential developments or other more intrusive uses, reduced dust, odor and chemicals from former farming operations, protection from light pollution at night, it's quiet, and there is no traffic.

J. Certification

I certify that, to the best of my knowledge and belief:

1. The statements of fact contained in this report are true and correct;

2. The reported analyses, opinions, and conclusions are limited only by the reported assumptions and limiting conditions, and are my personal, unbiased professional analyses, opinions, and conclusions;

3. I have no present or prospective interest in the property that is the subject of this report and no personal interest with respect to the parties involved;

4. I have no bias with respect to the property that is the subject of this report or to the parties involved with this assignment;

5. My engagement in this assignment was not contingent upon developing or reporting predetermined results;

6. My compensation for completing this assignment is not contingent upon the development or reporting of a predetermined value or direction in value that favors the cause of the client, the amount of the value opinion, the attainment of a stipulated result, or the occurrence of a subsequent event directly related to the intended use of the appraisal;

7. The reported analyses, opinions, and conclusions were developed, and this report has been prepared, in conformity with the requirements of the Code of Professional Ethics and Standards of Professional Appraisal Practice of the Appraisal Institute;

8. My analyses, opinions and conclusions were developed, and this report has been prepared, in conformity with the Uniform Standards of Professional Appraisal Practice.

9. The use of this report is subject to the requirements of the Appraisal Institute relating to review by its duly authorized representatives;

10. I have not made a personal inspection of the property that is the subject of this report, and;

11. No one provided significant real property appraisal assistance to the person signing this certification.

12. As of the date of this report I have completed the continuing education program for Designated Members of the Appraisal Institute;

13. I have not performed services, regarding the property that is the subject of this report within the three-year period immediately preceding acceptance of this assignment.

Disclosure of the contents of this appraisal report is governed by the bylaws and regulations of the Appraisal Institute and the National Association of Realtors.

Neither all nor any part of the contents of this appraisal report shall be disseminated to the public through advertising media, public relations media, news media, or any other public means of communications without the prior written consent and approval of the undersigned.





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State Certified General Appraiser

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Professional Experience

Kirkland Appraisals, LLC, Raleigh, N.C. — 2003 – Present
Commercial appraiser

Hester & Company, Raleigh, N.C.
Commercial appraiser — 1996 – 2003

Professional Affiliations

MAI (Member, Appraisal Institute) designation #11796 — 2001
ARA (American Society of Farm Managers and Rural Appraisers) — 2025
NC State Certified General Appraiser # A4359 — 1999
VA State Certified General Appraiser # 4001017291
SC State Certified General Appraiser # 6209
KY State Certified General Appraiser # 5522
TN State Certified General Appraiser # 6240
FL State Certified General Appraiser # RZ3950
GA State Certified General Appraiser # 321885
MI State Certified General Appraiser # 1201076620
PA State Certified General Appraiser # GA004598
OH State Certified General Appraiser # 2021008689
IN State Certified General Appraiser # CG42100052
IL State Certified General Appraiser # 553.002633
LA State Certified General Appraiser # APR.05049-CGA
TX State Certified General Appraiser # 1380528-CG
ND State Certified General Appraiser # CG-224129
OR State Certified General Appraiser # C001665

Education

Bachelor of Arts in English, University of North Carolina, Chapel Hill — 1993

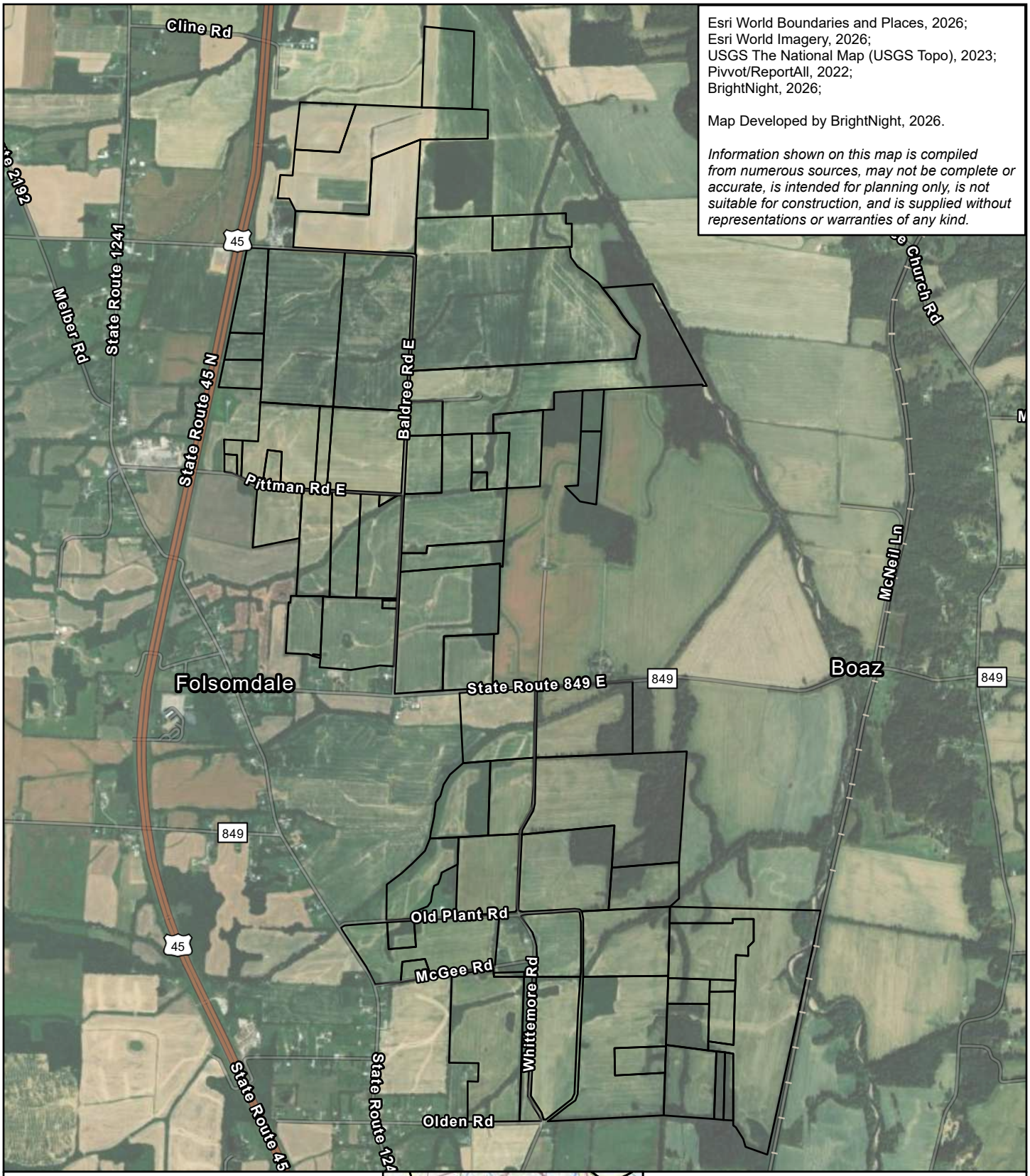
Continuing Education

Advanced Exam Preparation Course - ARA	2025
Valuation of Residential Solar	2025
Fair Housing Bias and Discrimination	2025
The Cost Approach	2025
Uncovering and Valuing Current Luxury Home Trends	2025
Uniform Standards of Professional Appraisal Practice Update	2024
ASFMRA Integrated Approaches to Value (A360)	2024
ASFMRA Best in Business Ethics	2023
Appraising Natural Resources Series – Oil, Gas & Minerals	2023
Appraisal of Industrial and Flex Buildings	2023
Commercial Land Valuation	2023
Fair Housing, Bias and Discrimination	2023

Pennsylvania State Mandated Law for Appraisers	2023
What NOT to Do (NCDOT Course)	2023
The Income Approach – A Scope of Work Decision	2023
Valuation of Residential Solar	2022
Residential Property Measurement and ANSI	2022
Business Practices and Ethics	2022
Uniform Standards of Professional Appraisal Practice Update	2022
Sexual Harassment Prevention Training	2021
Appraisal of Land Subject to Ground Leases	2021
Michigan Appraisal Law	2020
Uniform Standards of Professional Appraisal Practice Update	2020
Uniform Appraisal Standards for Federal Land Acquisitions (Yellow Book)	2019
The Cost Approach	2019
Income Approach Case Studies for Commercial Appraisers	2018
Introduction to Expert Witness Testimony for Appraisers	2018
Appraising Small Apartment Properties	2018
Florida Appraisal Laws and Regulations	2018
Uniform Standards of Professional Appraisal Practice Update	2018
Appraisal of REO and Foreclosure Properties	2017
Appraisal of Self Storage Facilities	2017
Land and Site Valuation	2017
NCDOT Appraisal Principles and Procedures	2017
Uniform Standards of Professional Appraisal Practice Update	2016
Forecasting Revenue	2015
Wind Turbine Effect on Value	2015
Supervisor/Trainee Class	2015
Business Practices and Ethics	2014
Subdivision Valuation	2014
Uniform Standards of Professional Appraisal Practice Update	2014
Introduction to Vineyard and Winery Valuation	2013
Appraising Rural Residential Properties	2012
Uniform Standards of Professional Appraisal Practice Update	2012
Supervisors/Trainees	2011
Rates and Ratios: Making sense of GIMs, OARs, and DCFs	2011
Advanced Internet Search Strategies	2011
Analyzing Distressed Real Estate	2011
Uniform Standards of Professional Appraisal Practice Update	2011
Business Practices and Ethics	2011
Appraisal Curriculum Overview (2 Days – General)	2009
Appraisal Review - General	2009
Uniform Standards of Professional Appraisal Practice Update	2008
Subdivision Valuation: A Comprehensive Guide	2008
Office Building Valuation: A Contemporary Perspective	2008
Valuation of Detrimental Conditions in Real Estate	2007
The Appraisal of Small Subdivisions	2007
Uniform Standards of Professional Appraisal Practice Update	2006
Evaluating Commercial Construction	2005
Conservation Easements	2005
Uniform Standards of Professional Appraisal Practice Update	2004
Condemnation Appraising	2004
Land Valuation Adjustment Procedures	2004
Supporting Capitalization Rates	2004
Uniform Standards of Professional Appraisal Practice, C	2002
Wells and Septic Systems and Wastewater Irrigation Systems	2002
Appraisals 2002	2002
Analyzing Commercial Lease Clauses	2002

Conservation Easements	2000
Preparation for Litigation	2000
Appraisal of Nonconforming Uses	2000
Advanced Applications	2000
Highest and Best Use and Market Analysis	1999
Advanced Sales Comparison and Cost Approaches	1999
Advanced Income Capitalization	1998
Valuation of Detrimental Conditions in Real Estate	1999
Report Writing and Valuation Analysis	1999
Property Tax Values and Appeals	1997
Uniform Standards of Professional Appraisal Practice, A & B	1997
Basic Income Capitalization	1996

SAR Attachment C



Esri World Boundaries and Places, 2026;
Esri World Imagery, 2026;
USGS The National Map (USGS Topo), 2023;
Pivvot/ReportAll, 2022;
BrightNight, 2026;

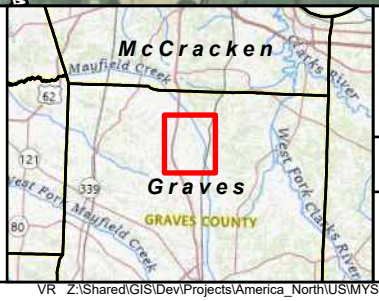
Map Developed by BrightNight, 2026.

Information shown on this map is compiled from numerous sources, may not be complete or accurate, is intended for planning only, is not suitable for construction, and is supplied without representations or warranties of any kind.

Parcel Boundary

1 inch = 2,500 feet

0 625 1,250 2,500 3,750 Feet



Legal Description Inventory
Overview - Aerial
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

BRIGHTNIGHT

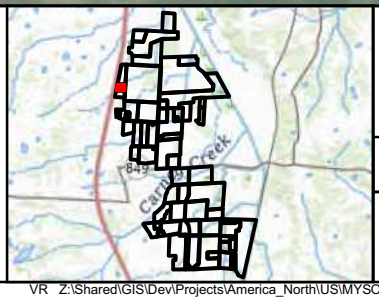
Figure: N/A

VR Z:\Shared\GIS\Dev\Projects\America_North\US\MYSO\Pro\Mapbook-MYSO-KYSB-LegalDescriptionInventory-Overview-Aerial-v04-8x11-P.aprx



Parcel Boundary

1 inch = 150 feet



Legal Description Inventory
Mapbook - Aerial - 066.00.00.074.01
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

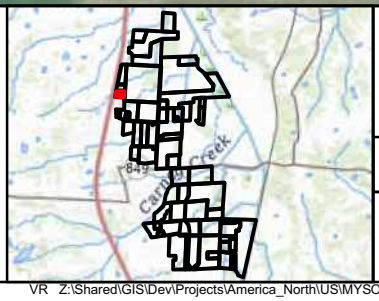
BRIGHTNIGHT

VR Z:\Shared\GIS\Dev\Projects\America_North\US\MYSO\Pro\Mapbook-MYSO-KYSB-LegalDescriptionInventory-Exclusions-Aerial-v04-8x11-P.aprx



Parcel Boundary

1 inch = 150 feet



Legal Description Inventory
Mapbook - Aerial - 066.00.00.077.01
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

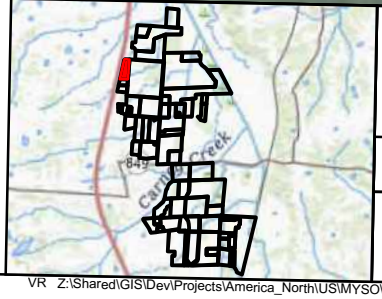
BRIGHTNIGHT

VR Z:\Shared\GIS\Dev\Projects\America_North\US\MYSO\Pro\Mapbook-MYSO-KYSB-LegalDescriptionInventory-Exclusions-Aerial-v04-8x11-P.aprx



Parcel Boundary

1 inch = 300 feet



Legal Description Inventory
Mapbook - Aerial - 066.00.00.079.00
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

BRIGHTNIGHT

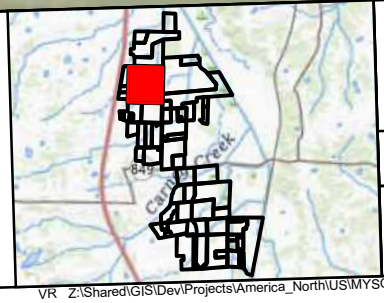
Page: 3 of 62

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Parcel Boundary

1 inch = 650 feet



Legal Description Inventory
Mapbook - Aerial - 066.00.00.080.00
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

BRIGHTNIGHT

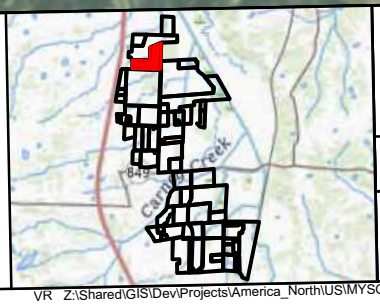
Page: 4 of 62

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Parcel Boundary

1 inch = 450 feet



Legal Description Inventory
Mapbook - Aerial - 066.00.00.081.00
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

BRIGHTNIGHT

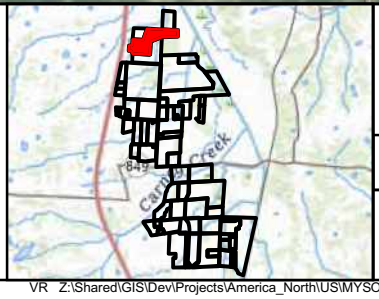
Page: 5 of 62

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Parcel Boundary

1 inch = 600 feet



Legal Description Inventory
Mapbook - Aerial - 066.00.00.081.01
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

BRIGHTNIGHT

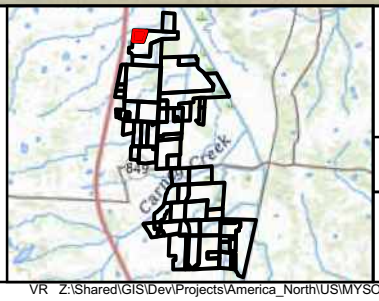
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Parcel Boundary

1 inch = 200 feet



Legal Description Inventory
Mapbook - Aerial - 066.00.00.084.00
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

BRIGHTNIGHT

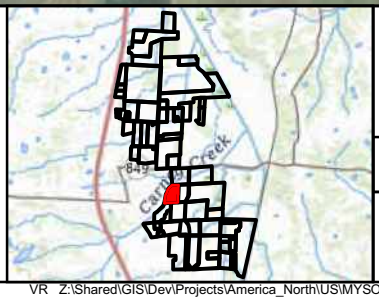
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Parcel Boundary

1 inch = 250 feet



Legal Description Inventory
Mapbook - Aerial - 067.00.00.088.01
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

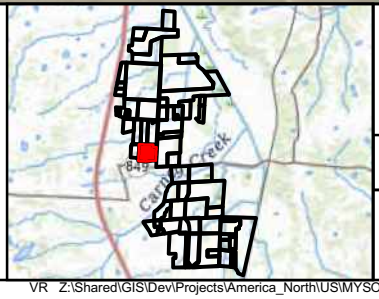
BRIGHTNIGHT

Page: 8 of 62



Parcel Boundary

1 inch = 300 feet



Legal Description Inventory
Mapbook - Aerial - 067.00.00.095.01
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

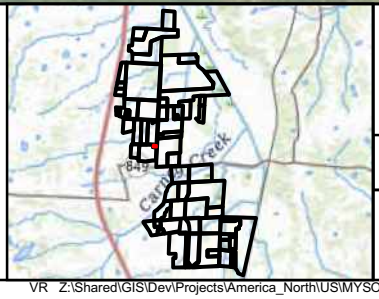
BRIGHTNIGHT

Page: 9 of 62



Parcel Boundary

1 inch = 100 feet



Legal Description Inventory
Mapbook - Aerial - 067.00.00.096.00
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

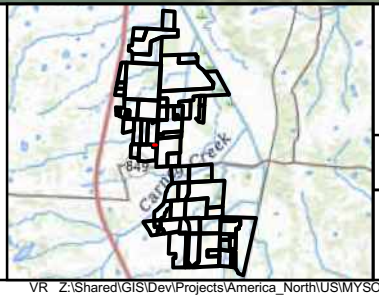
BRIGHTNIGHT

VR Z:\Shared\GIS\Dev\Projects\America_North\US\MYSO\Pro\Mapbook-MYSO-KYSB-LegalDescriptionInventory-Exclusions-Aerial-v04-8x11-P.aprx



Parcel Boundary

1 inch = 50 feet



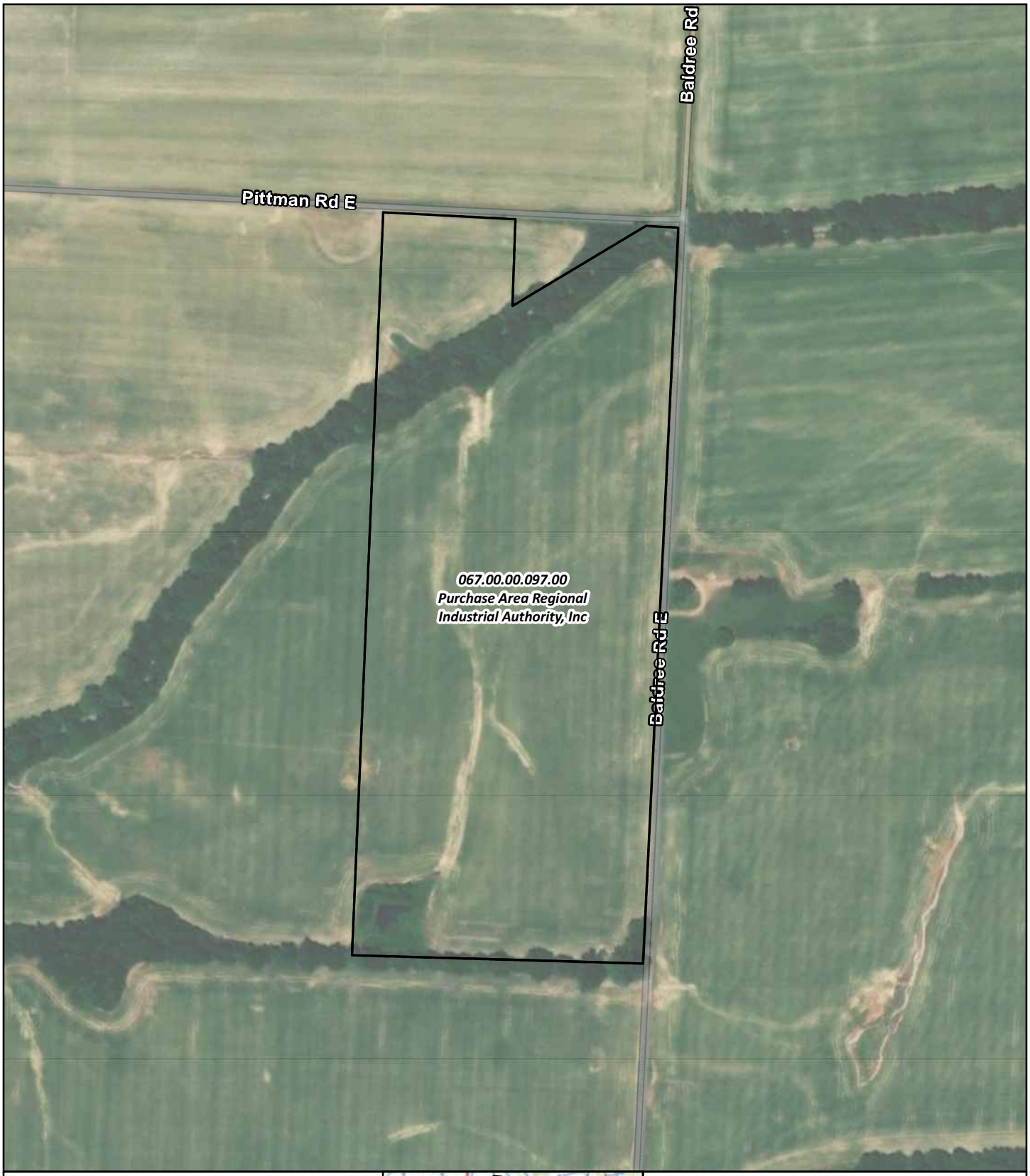
Legal Description Inventory
Mapbook - Aerial - 067.00.00.096.01
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

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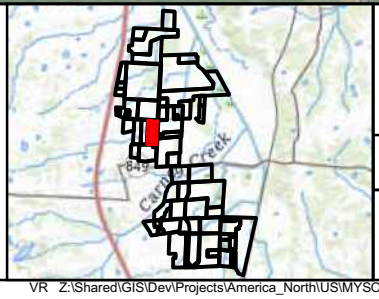
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Parcel Boundary

1 inch = 350 feet



Legal Description Inventory
Mapbook - Aerial - 067.00.00.097.00
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

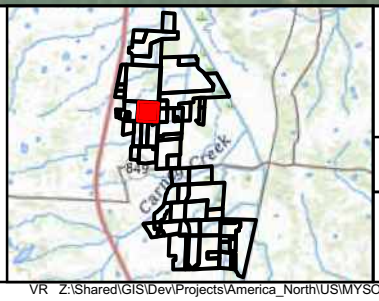
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VR Z:\Shared\GIS\Dev\Projects\America_North\US\MYSO\Pro\Mapbook-MYSO-KYSB-LegalDescriptionInventory-Exclusions-Aerial-v04-8x11-P.aprx



Parcel Boundary

1 inch = 450 feet



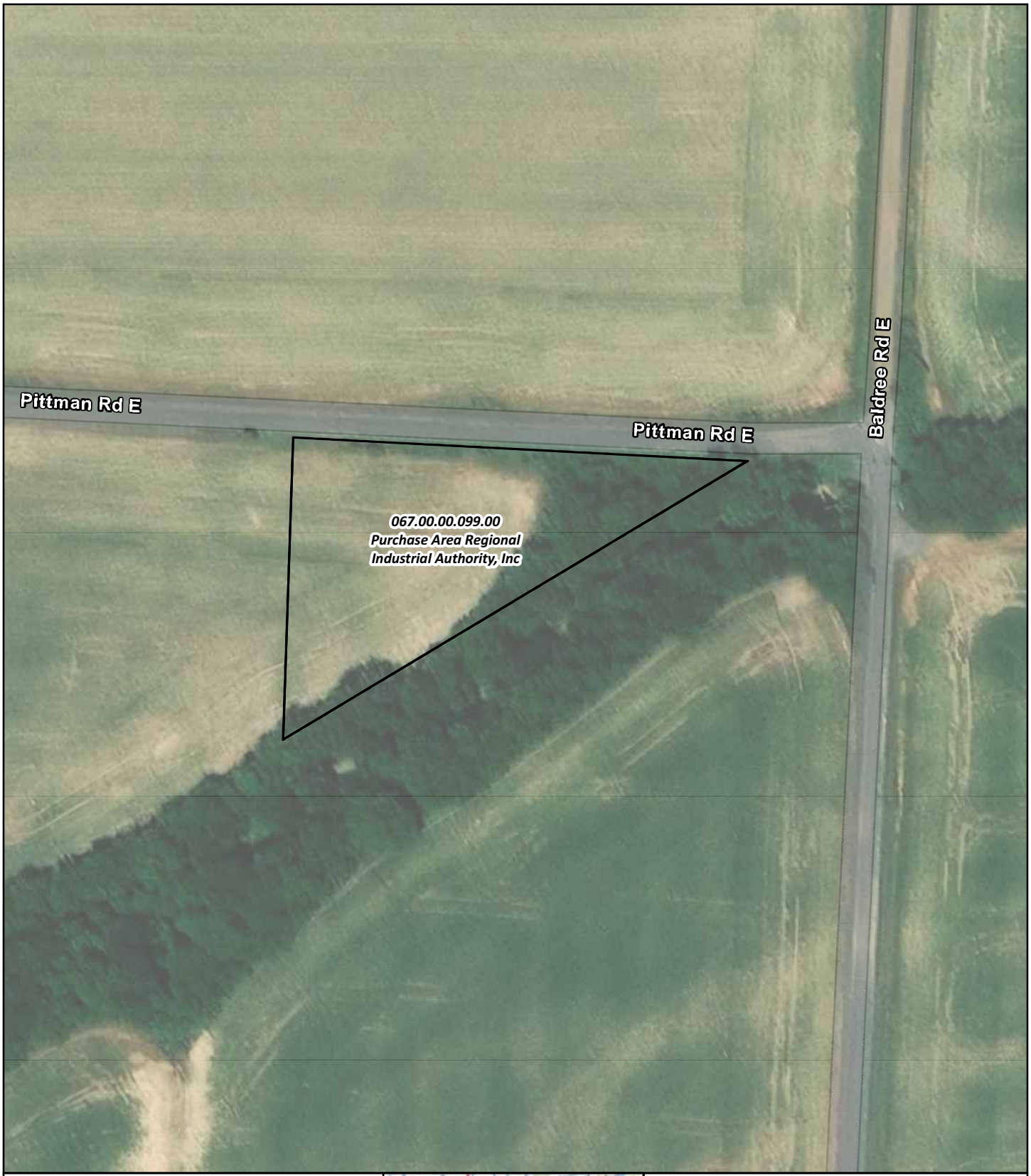
Legal Description Inventory
Mapbook - Aerial - 067.00.00.098.00
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

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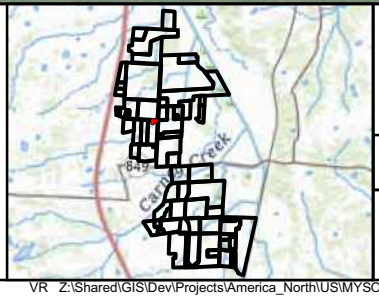
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Parcel Boundary

1 inch = 100 feet



Legal Description Inventory
Mapbook - Aerial - 067.00.00.099.00
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

BRIGHTNIGHT

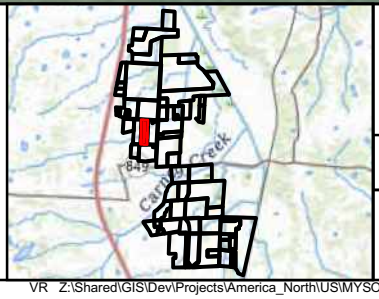
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Parcel Boundary

1 inch = 350 feet



Legal Description Inventory
Mapbook - Aerial - 067.00.00.100.00
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

BRIGHTNIGHT

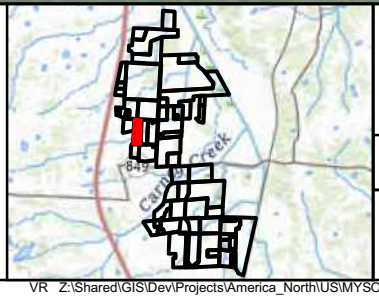
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Parcel Boundary

1 inch = 350 feet



Legal Description Inventory
Mapbook - Aerial - 067.00.00.101.00
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

BRIGHTNIGHT

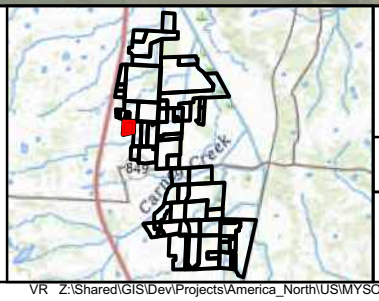
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Parcel Boundary

1 inch = 200 feet



Legal Description Inventory
Mapbook - Aerial - 067.00.00.102.00
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

BRIGHTNIGHT

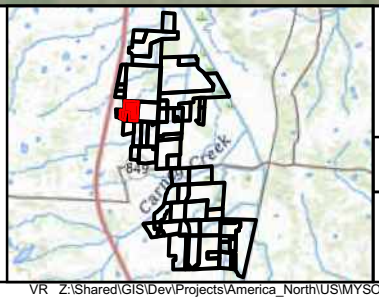
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Parcel Boundary

1 inch = 300 feet



Legal Description Inventory
Mapbook - Aerial - 067.00.00.103.00
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

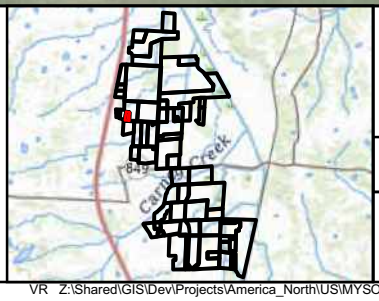
BRIGHTNIGHT

VR Z:\Shared\GIS\Dev\Projects\America_North\US\MYSO\Pro\Mapbook-MYSO-KYSB-LegalDescriptionInventory-Exclusions-Aerial-v04-8x11-P.aprx



Parcel Boundary

1 inch = 150 feet



Legal Description Inventory
Mapbook - Aerial - 067.00.00.104.00
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

BRIGHTNIGHT

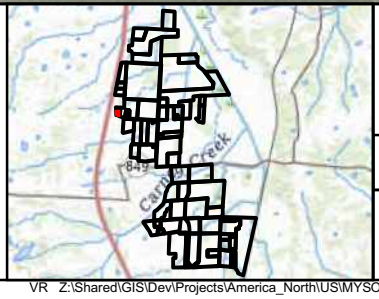
Page: 19 of 62

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Parcel Boundary

1 inch = 100 feet



Legal Description Inventory
Mapbook - Aerial - 067.00.00.105.00
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

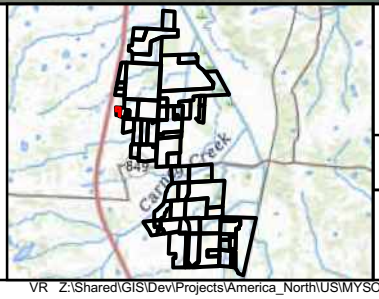
BRIGHTNIGHT

VR Z:\Shared\GIS\Dev\Projects\America_North\US\MYSO\Pro\Mapbook-MYSO-KYSB-LegalDescriptionInventory-Exclusions-Aerial-v04-8x11-P.aprx



Parcel Boundary

1 inch = 150 feet



Legal Description Inventory
Mapbook - Aerial - 067.00.00.106.00
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

BRIGHTNIGHT

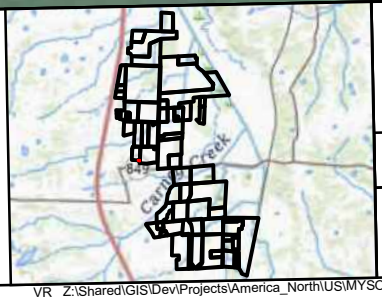
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Parcel Boundary

1 inch = 50 feet



Legal Description Inventory
Mapbook - Aerial - 067.01.00.026.01
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

BRIGHTNIGHT

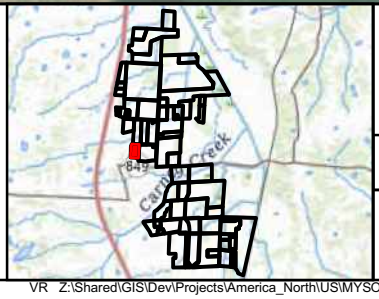
Page: 22 of 62

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Parcel Boundary

1 inch = 200 feet



Legal Description Inventory
Mapbook - Aerial - 067.01.00.027.01
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

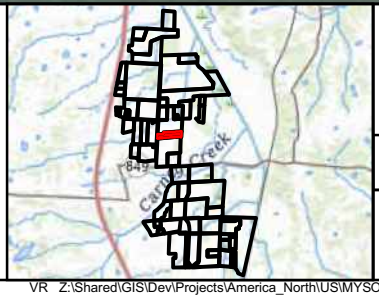
BRIGHTNIGHT

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Parcel Boundary

1 inch = 300 feet



Legal Description Inventory
Mapbook - Aerial - 083.00.00.057.00
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

BRIGHTNIGHT

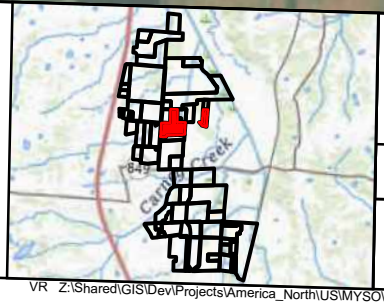
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VR Z:\Shared\GIS\Dev\Projects\America_North\US\MYSO\Pro\Mapbook-MYSO-KYSB-LegalDescriptionInventory-Exclusions-Aerial-v04-8x11-P.aprx



Parcel Boundary

1 inch = 650 feet



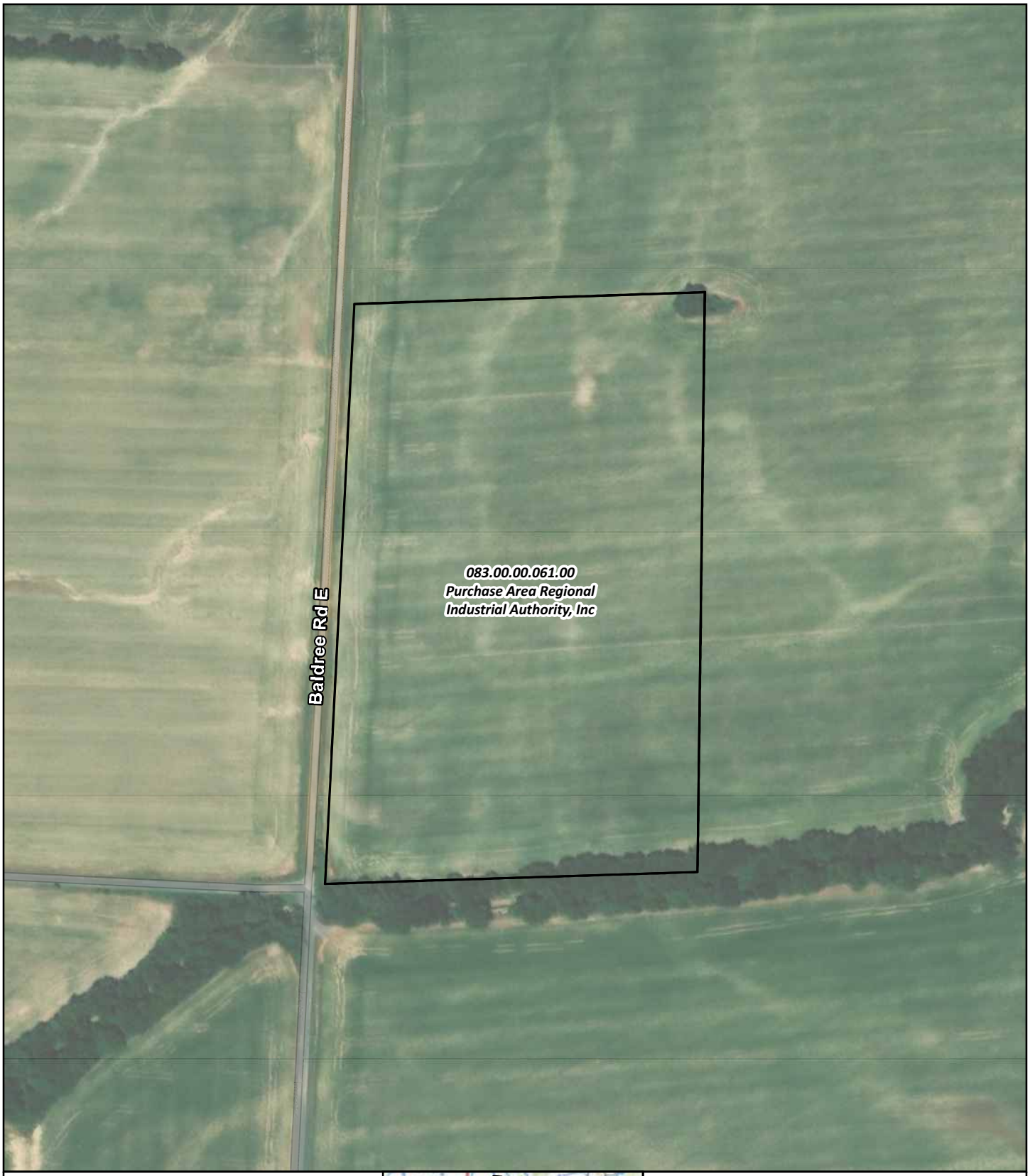
Legal Description Inventory
Mapbook - Aerial - 083.00.00.060.00
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

BRIGHTNIGHT

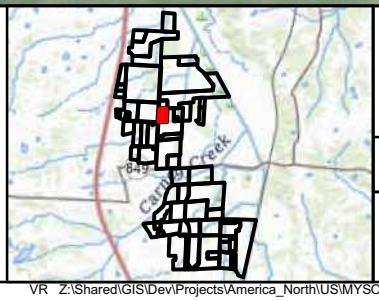
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Parcel Boundary

1 inch = 250 feet



Legal Description Inventory
Mapbook - Aerial - 083.00.00.061.00
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

BRIGHTNIGHT

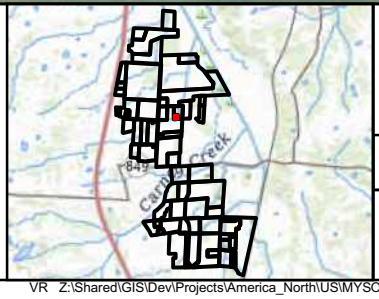
Page: 26 of 62

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Parcel Boundary

1 inch = 100 feet



Legal Description Inventory
Mapbook - Aerial - 083.00.00.062.00
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

BRIGHTNIGHT

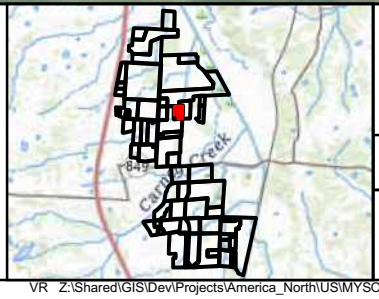
Page: 27 of 62

VR Z:\Shared\GIS\Dev\Projects\America_North\US\MYSO\Pro\Mapbook-MYSO-KYSB-LegalDescriptionInventory-Exclusions-Aerial-v04-8x11-P.aprx



Parcel Boundary

1 inch = 200 feet



Legal Description Inventory
Mapbook - Aerial - 083.00.00.063.00
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

BRIGHTNIGHT

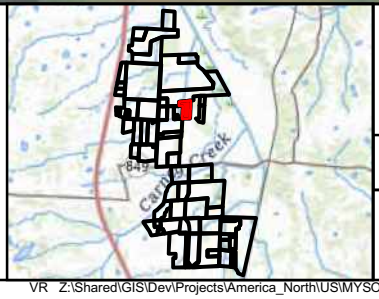
Page: 28 of 62

VR Z:\Shared\GIS\Dev\Projects\America_North\US\MYSO\Pro\Mapbook-MYSO-KYSB-LegalDescriptionInventory-Exclusions-Aerial-v04-8x11-P.aprx



Parcel Boundary

1 inch = 300 feet



Legal Description Inventory
Mapbook - Aerial - 083.00.00.064.00
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

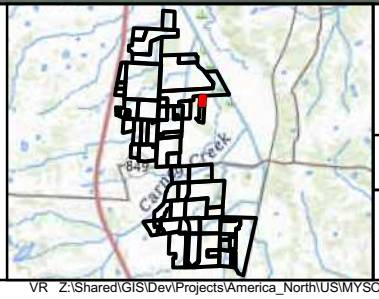
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VR Z:\Shared\GIS\Dev\Projects\America_North\US\MYSO\Pro\Mapbook-MYSO-KYSB-LegalDescriptionInventory-Exclusions-Aerial-v04-8x11-P.aprx



Parcel Boundary

1 inch = 200 feet



Legal Description Inventory
Mapbook - Aerial - 083.00.00.067.00
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

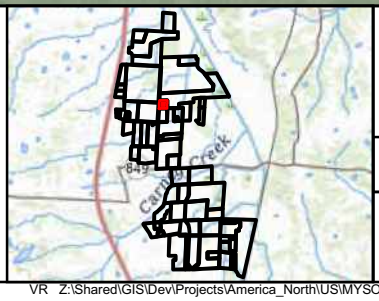
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Parcel Boundary

1 inch = 200 feet

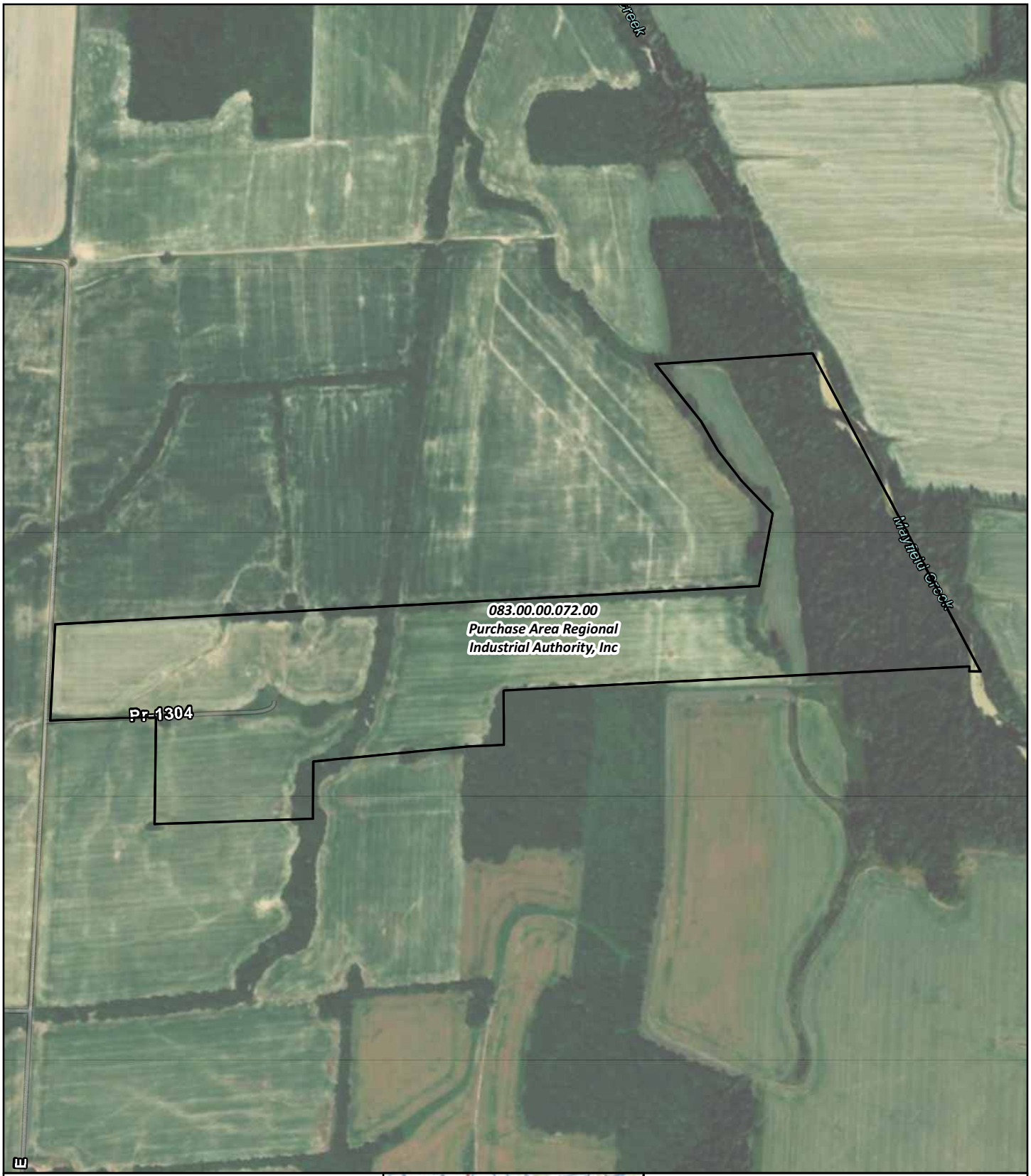


Legal Description Inventory
Mapbook - Aerial - 083.00.00.071.00
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

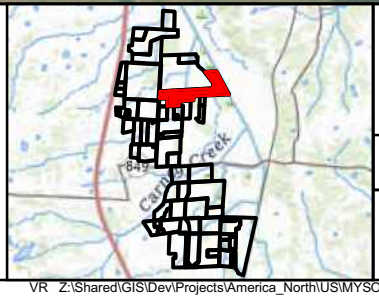
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VR Z:\Shared\GIS\Dev\Projects\America_North\US\MYSO\Pro\Mapbook-MYSO-KYSB-LegalDescriptionInventory-Exclusions-Aerial-v04-8x11-P.aprx



Parcel Boundary

1 inch = 800 feet



Legal Description Inventory
Mapbook - Aerial - 083.00.00.072.00
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

BRIGHTNIGHT

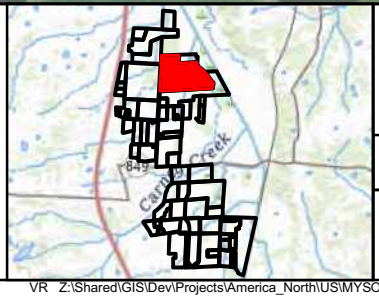
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Parcel Boundary

1 inch = 650 feet



Legal Description Inventory
Mapbook - Aerial - 083.00.00.073.00
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

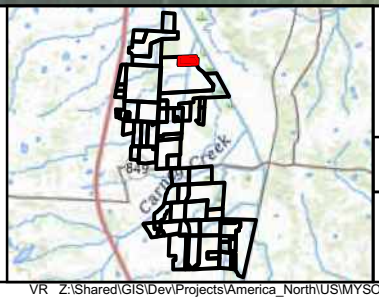
BRIGHTNIGHT

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Parcel Boundary

1 inch = 250 feet



Legal Description Inventory
Mapbook - Aerial - 083.00.00.075.00
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

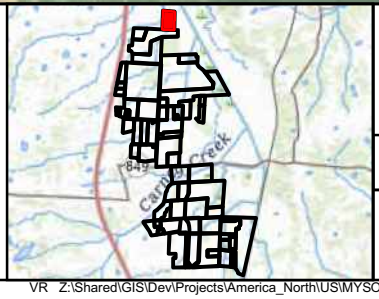
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VR Z:\Shared\GIS\Dev\Projects\America_North\US\MYSO\Pro\Mapbook-MYSO-KYSB-LegalDescriptionInventory-Exclusions-Aerial-v04-8x11-P.aprx



Parcel Boundary

1 inch = 250 feet



Legal Description Inventory
Mapbook - Aerial - 083.00.00.081.00
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

BRIGHTNIGHT

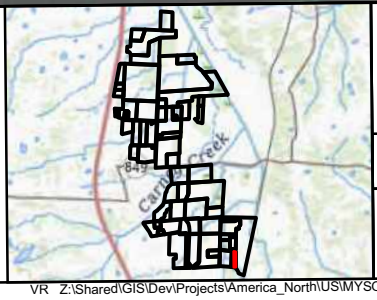
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Parcel Boundary

1 inch = 200 feet



Legal Description Inventory
Mapbook - Aerial - 084.00.00.003.00
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

BRIGHTNIGHT

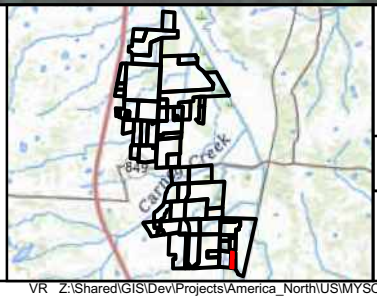
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Parcel Boundary

1 inch = 200 feet



Legal Description Inventory
Mapbook - Aerial - 084.00.00.004.00
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

BRIGHTNIGHT

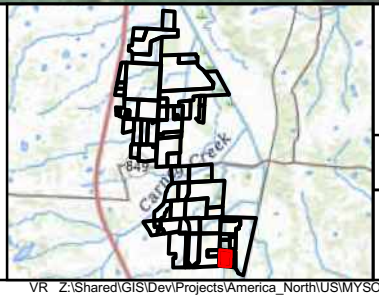
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Parcel Boundary

1 inch = 250 feet



Legal Description Inventory
Mapbook - Aerial - 084.00.00.005.00
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

BRIGHTNIGHT

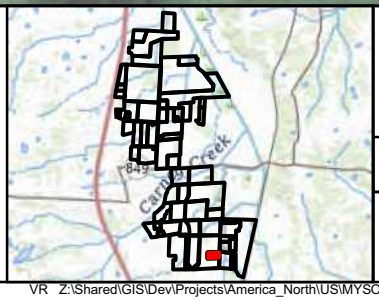
Page: 38 of 62

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Parcel Boundary

1 inch = 200 feet



Legal Description Inventory
Mapbook - Aerial - 084.00.00.006.00
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

BRIGHTNIGHT

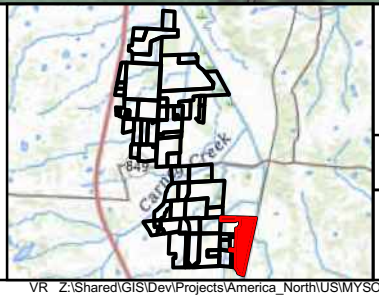
Page: 39 of 62

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Parcel Boundary

1 inch = 833 feet



Legal Description Inventory
Mapbook - Aerial - 084.00.00.007.00
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

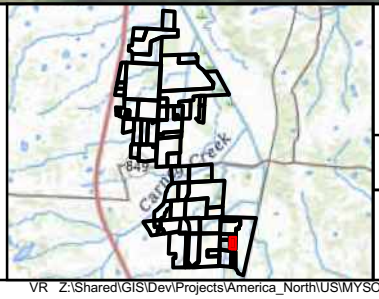
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Parcel Boundary

1 inch = 150 feet



Legal Description Inventory
Mapbook - Aerial - 084.00.00.008.00
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

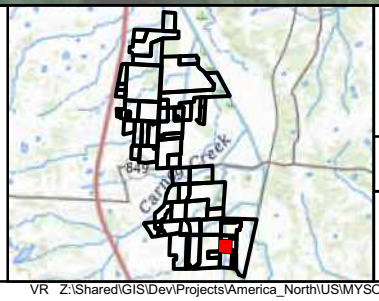
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Parcel Boundary

1 inch = 200 feet



Legal Description Inventory
Mapbook - Aerial - 084.00.00.009.00
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

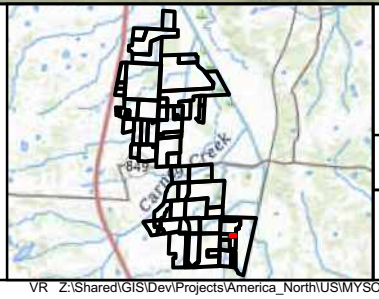
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VR Z:\Shared\GIS\Dev\Projects\America_North\US\MYSO\Pro\Mapbook-MYSO-KYSB-LegalDescriptionInventory-Exclusions-Aerial-v04-8x11-P.aprx



Parcel Boundary

1 inch = 150 feet



Legal Description Inventory
Mapbook - Aerial - 084.00.00.010.00
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

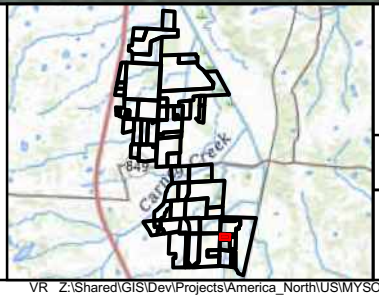
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Parcel Boundary

1 inch = 200 feet



Legal Description Inventory
Mapbook - Aerial - 084.00.00.011.00
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

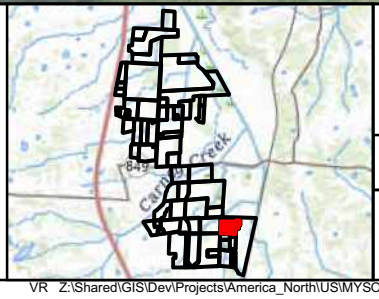
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Parcel Boundary

1 inch = 250 feet

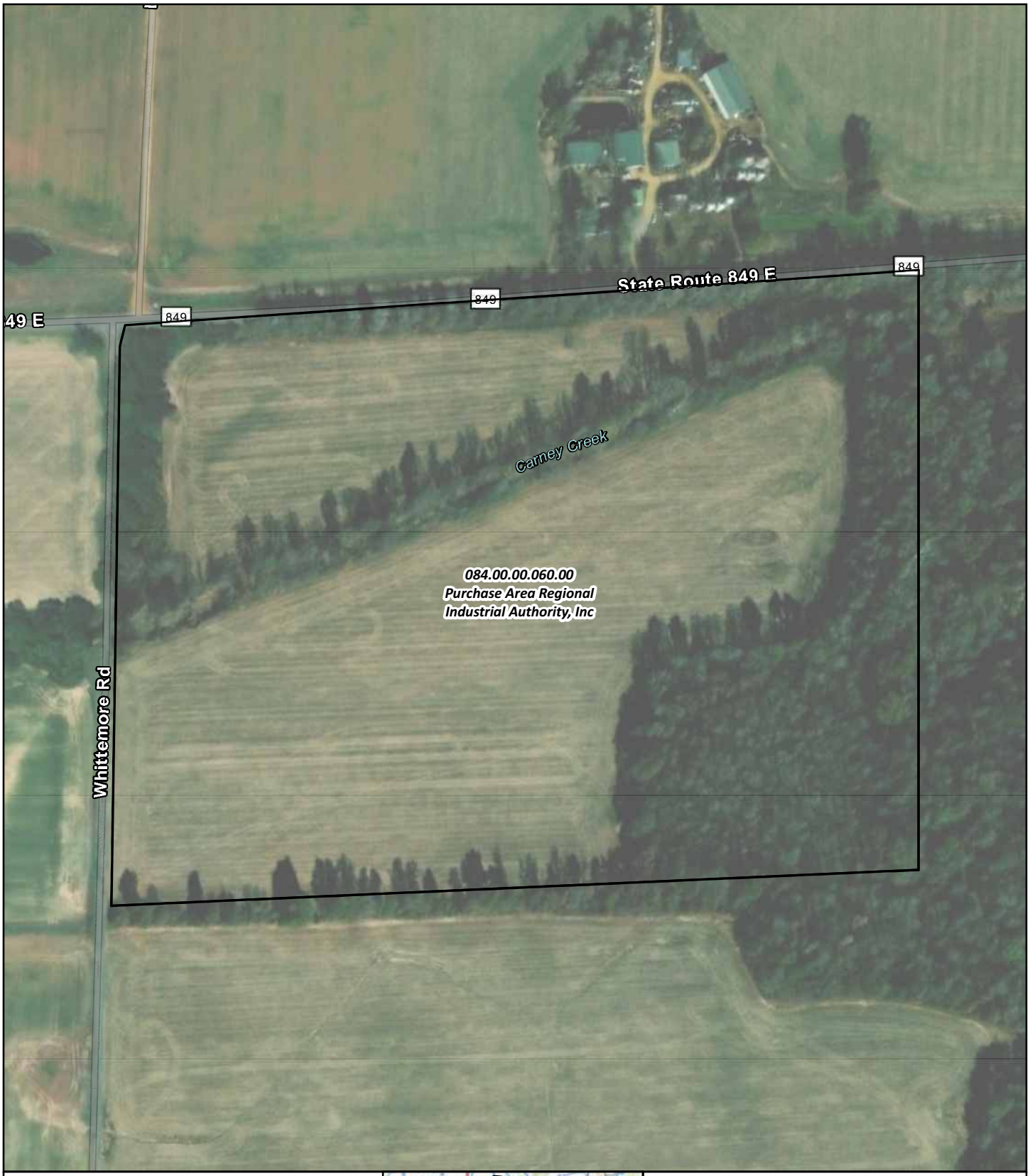


Legal Description Inventory
Mapbook - Aerial - 084.00.00.012.00
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

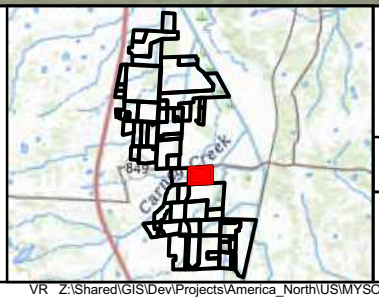
BRIGHTNIGHT

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Parcel Boundary

1 inch = 300 feet



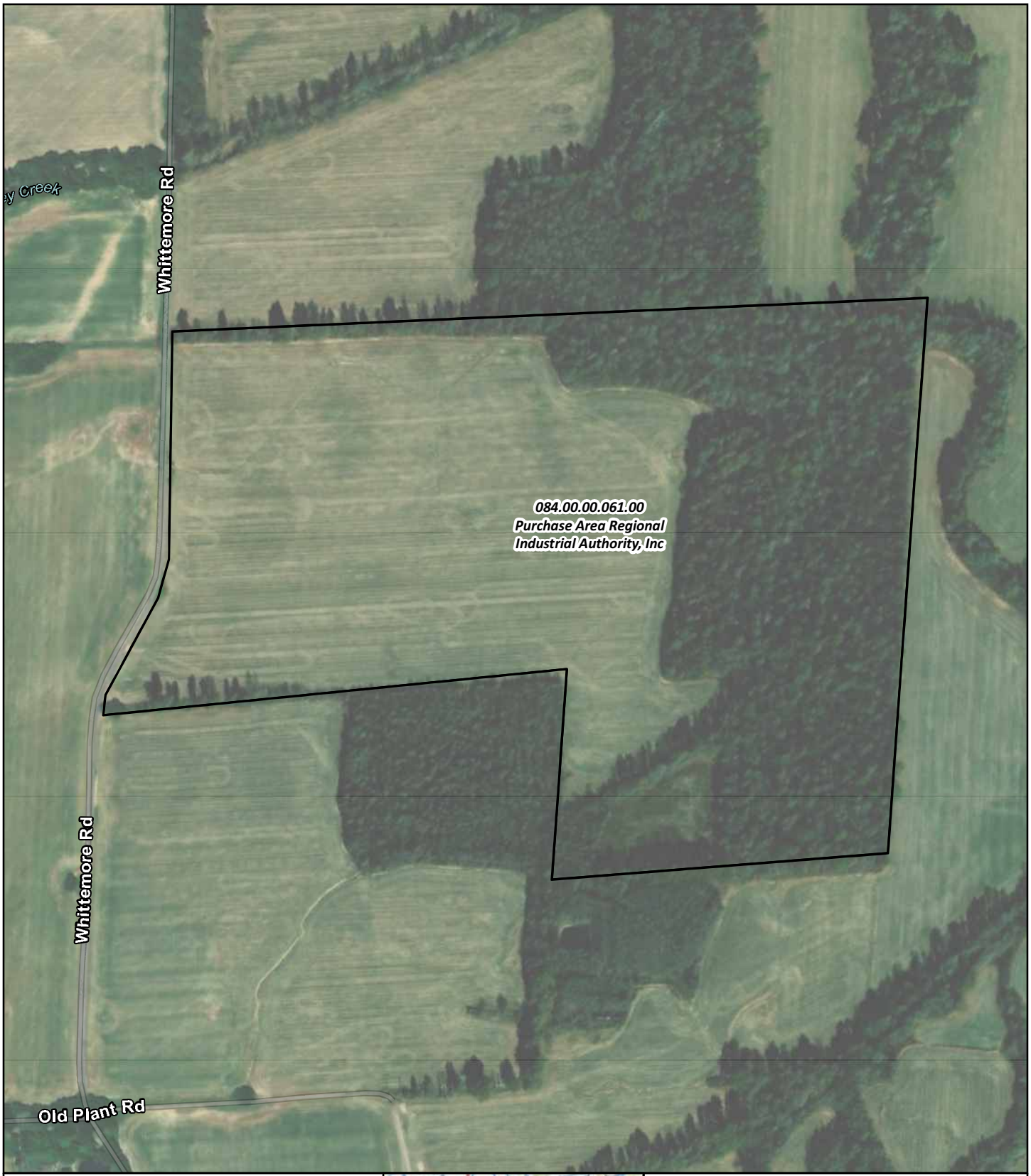
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MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

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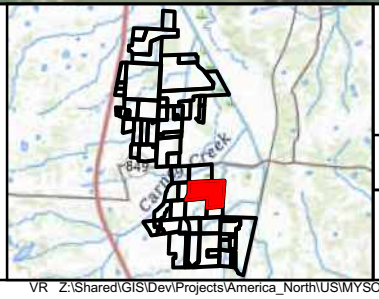
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Parcel Boundary

1 inch = 500 feet



Legal Description Inventory
Mapbook - Aerial - 084.00.00.061.00
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

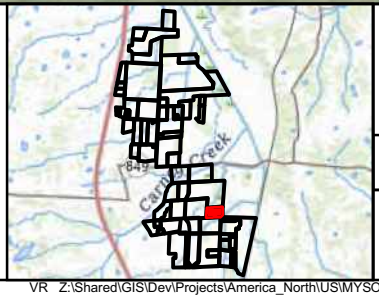
BRIGHTNIGHT

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Parcel Boundary

1 inch = 250 feet



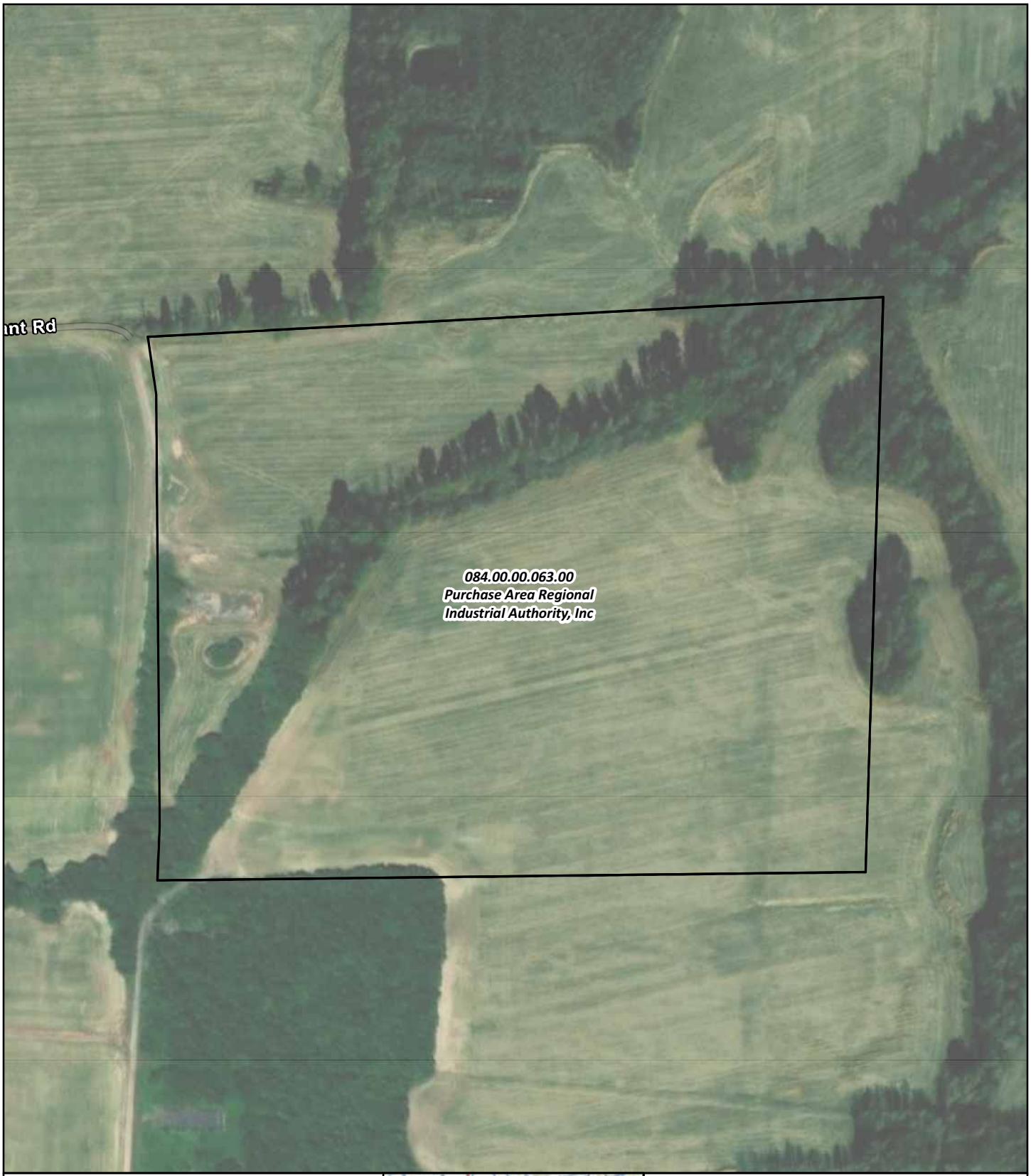
Legal Description Inventory
Mapbook - Aerial - 084.00.00.062.00
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

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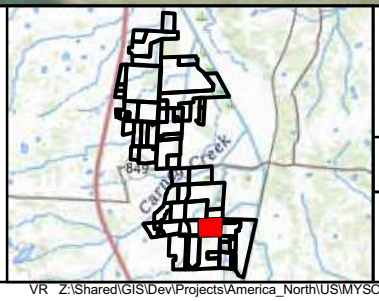
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Parcel Boundary

1 inch = 300 feet



Legal Description Inventory
Mapbook - Aerial - 084.00.00.063.00
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

BRIGHTNIGHT

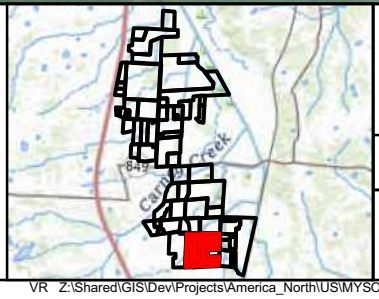
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Parcel Boundary

1 inch = 600 feet



Legal Description Inventory
Mapbook - Aerial - 084.00.00.064.00
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

BRIGHTNIGHT

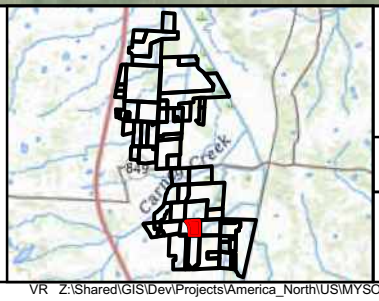
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Parcel Boundary

1 inch = 250 feet



Legal Description Inventory
Mapbook - Aerial - 084.00.00.065.00
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

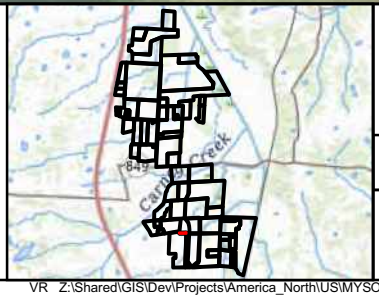
BRIGHTNIGHT

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Parcel Boundary

1 inch = 100 feet



Legal Description Inventory
Mapbook - Aerial - 084.00.00.067.02
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

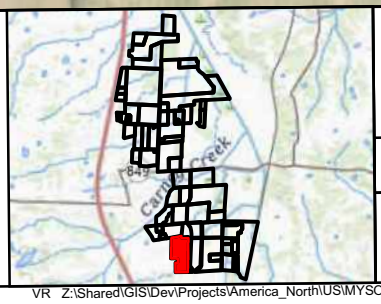
BRIGHTNIGHT

VR Z:\Shared\GIS\Dev\Projects\America_North\US\MYSO\Pro\Mapbook-MYSO-KYSB-LegalDescriptionInventory-Exclusions-Aerial-v04-8x11-P.aprx



Parcel Boundary

1 inch = 450 feet



Legal Description Inventory
Mapbook - Aerial - 084.00.00.069.00
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

BRIGHTNIGHT

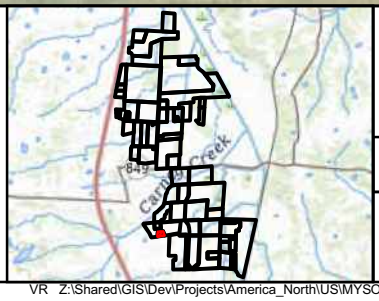
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Parcel Boundary

1 inch = 150 feet



Legal Description Inventory
Mapbook - Aerial - 084.00.00.087.00
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

BRIGHTNIGHT

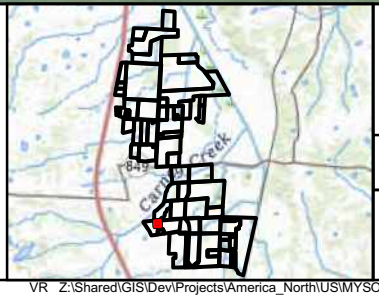
Page: 54 of 62

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Parcel Boundary

1 inch = 150 feet

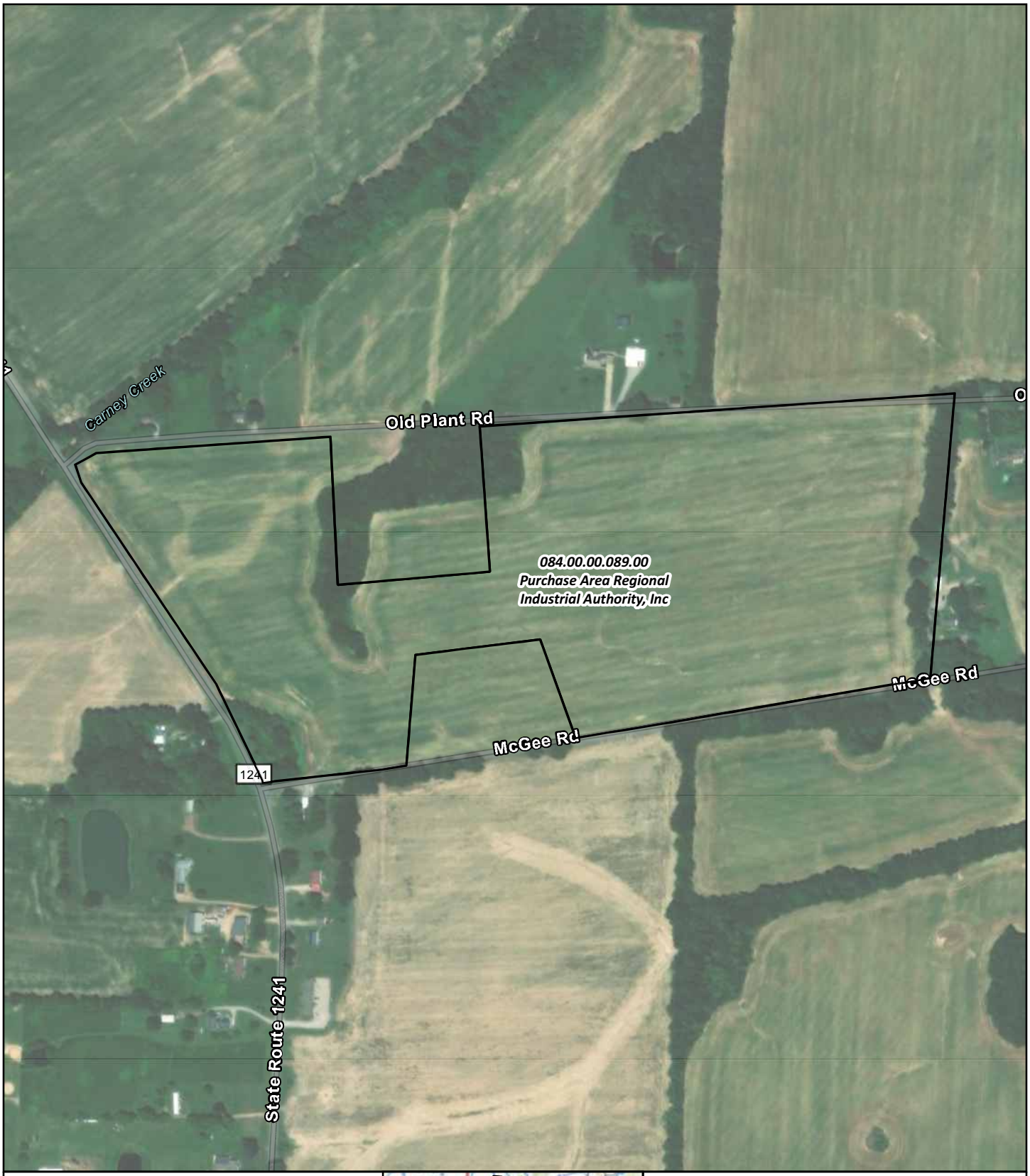


Legal Description Inventory
Mapbook - Aerial - 084.00.00.088.00
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

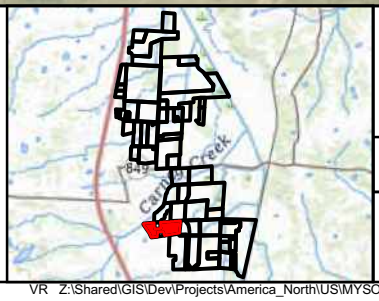
BRIGHTNIGHT

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Parcel Boundary

1 inch = 450 feet



Legal Description Inventory
Mapbook - Aerial - 084.00.00.089.00
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

BRIGHTNIGHT

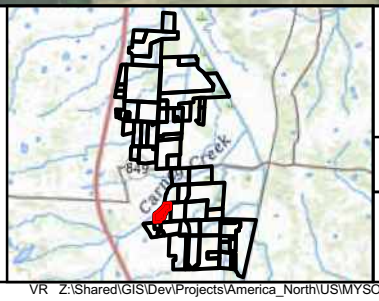
Page: 56 of 62

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Parcel Boundary

1 inch = 450 feet



Legal Description Inventory
Mapbook - Aerial - 084.00.00.090.00
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

BRIGHTNIGHT

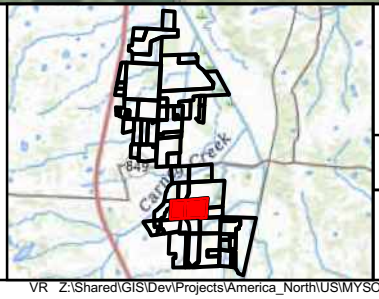
Page: 57 of 62

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Parcel Boundary

1 inch = 650 feet



Legal Description Inventory
Mapbook - Aerial - 084.00.00.092.00
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

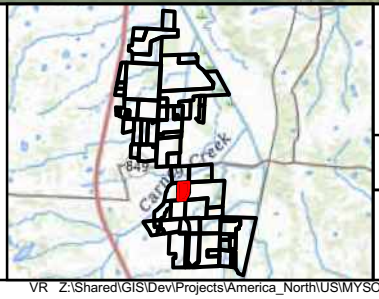
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Parcel Boundary

1 inch = 250 feet



Legal Description Inventory
Mapbook - Aerial - 084.00.00.093.00
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

BRIGHTNIGHT

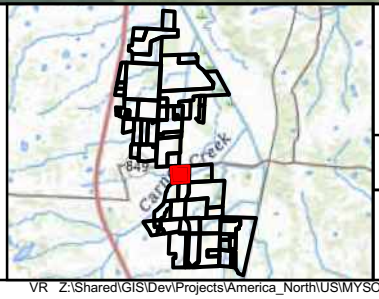
Page: 59 of 62

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Parcel Boundary

1 inch = 250 feet



Legal Description Inventory
Mapbook - Aerial - 084.00.00.094.01
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

BRIGHTNIGHT

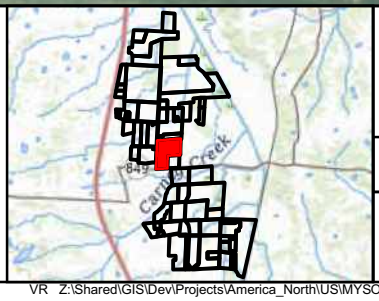
Page: 60 of 62

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Parcel Boundary

1 inch = 450 feet



Legal Description Inventory
Mapbook - Aerial - 084.00.00.095.00
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

BRIGHTNIGHT

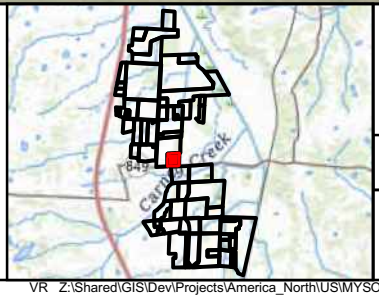
Page: 61 of 62

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Parcel Boundary

1 inch = 200 feet



Legal Description Inventory
Mapbook - Aerial - 084.00.00.096.00
MAYFIELD SOLAR
Graves Co., KY

Project:	Date:
MYSO	01/15/2026

BRIGHTNIGHT

Page: 62 of 62

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Purchase Area Regional Industrial Authority, Inc. Parcels

Graves County, KY

Parcel 1:
Tax ID No: 066.00.00.079.00
Parcel contains 16.5 acres, more or less

Parcel 2:
Tax ID No: 066.00.00.074.01
Parcel contains 6.0 acres, more or less

Parcel 3:
Tax ID No: 066.00.00.077.01
Parcel contains 10.0 acres, more or less

Parcel 1, 2 and 3 Common Legal Description

A 32.604 acre tract of land as surveyed by the firm of Geotech Engineering and Testing, Inc. of Murray, Kentucky on October 1, 2003, located on the south side of East Baldree Road and on the east side of U. S. Hwy. 45 in the Folsomdale community in Graves County, Kentucky and being more particularly described as follows:

Beginning at an Iron Pin w/cap #1606 (found) on the south side of East Baldree Road, said pin being the northwest corner of the Mark L. Crawford property (D.B. 377, Pg. 67 Tract 1) and is the northeast corner of the herein described tract of land;

THENCE South 03 degrees 06 minutes 59 seconds West for a distance of 2579.60 feet with the west line of Mark L. Crawford to a point; said point being located North 03 degrees 06 minutes 59 seconds East, 269.04 feet from an Iron Pin w/cap #1606 (found) at the southwest corner of Mark L. Crawford, said point being the northeast corner of the Terry and Sandra Leonard property (D.B. 385 PG. 59; D.B. 385 PG. 66; D.B. 169 PG. 575) and is the southeast corner of the herein described tract of land;

THENCE North 86 degrees 31 minutes 37 seconds West for a distance of 740.23 feet with the north line of Leonard (passing thru an iron Pin w/cap #1606 found at 3.21') to an Iron Pin w/cap #1606 (found) at the northwest corner of Leonard and on the east right-of-way of U. S. Hwy. 45;

THENCE North 11 degrees 59 minutes 43 seconds East for a distance of 973.16 feet with the east right-of-way of U. S. Hwy. 45 to an Iron Pin w/cap #3499 (set);

THENCE North 09 degrees 32 minutes 47 seconds East for a distance of 900.89 feet with the east right-of-way of said Hwy. to an Iron Pin w/cap #3499 (set);

THENCE North 12 degrees 02 minutes 00 seconds East for a distance of 600.24 feet with the east right-of-way of said Hwy. to an Iron Pin w/cap #3499 (set);

THENCE North 57 degrees 14 minutes 30 seconds East for a distance of 133.18 feet continuing with the east right-of-way of U. S. Hwy. 45 to an Iron Pin w/cap #3499 (set) on the south side of East Baldree Road;

THENCE North 83 degrees 48 minutes 26 seconds East for a distance of 292.02 feet with the south side of East Baldree Road to the point of beginning.

Being the real estate conveyed to Purchase Area Regional Industrial Authority, Inc. by Deed Book 417, Page 528 and thereafter by Deed Book 420, Page 51 of the Graves County, Kentucky Clerk's Office.

Parcel 4:

Tax ID No: 066.00.00.080.00
Parcel contains 177.43 acres, more or less

BEGINNING at a steel rod set in the northeast corner of the southeast quarter ofSectiolL17, T5NRIE. Thence N 88° 43' 14W", 50.62 feet to a point. Thence S 1° 16' 46" W, 10.91 feet to a steel rod set at the base of a wood post in the south line of the Baldree Road. Thence N 88° 43' 14" W, 2661.35 feet along the south line of the Baldree Road and generally a fence line to a steel rod set at the base of an 18 inch square wood post, a corner to the Jean G. Crawford land. Thence S 1° 35' 53"W, 2848.56 feet, generally along a fence line, the east boundary of the Jean G. Crawford land of record in Deed Book 265 Page 668 and Deed Book 288 Page 27 and Terry Leonard property of record in Deed Book 167 Page 575 and crossing the south line of the southeast quarter of Section 17 to a steel rod set at the base of a wood post. Thence S 88° 15' 29" E, 2707.52 feet, and generally along a fence, the north boundary line of the land of Kenneth Thurston of record In Deed Book 341 Page 77 to a-steel rod set at the base of a wood post in the west line of the Baldree Road. Thence N 1 °25' 23" E, 2834.99 feet along the west line of said road and generally a fence10 a steel rod set at the base of a wood post. Thence N 45° 15' 41" W, 51.44 feet along a long chord to a 45° curve in the west line of the said road to the POINT OF BEGINNING and CONTAINING 177.43 ACRES, more or less, according to a survey by D. O. Sullivan, PLS #1606 on September 18, 1998.

Being the real estate conveyed to Purchase Area Regional Industrial Authority, Inc. by Deed Book 417, Page 528 and thereafter by Deed Book 420, Page 51 of the Graves County, Kentucky Clerk's Office.

Parcel 5:
Tax ID No: 067.00.00.106.00
Parcel contains 5.0 acres, more or less

A certain tract of land contiguous to the north right of way line of Pittman Road and the east right of way line of US 45 Highway north of Folsomdale, Graves County, Kentucky, more particularly described as follows:

Unless stated otherwise, any monument referred to herein as an "iron rod" is a set 5/8 inch diameter steel reinforcing bar, 30 inches in length, with a yellow plastic cap stamped "D.O. SULLIVAN 1606". All bearings stated herein are referred to the magnetic meridian and taken from Deed Book 385 Page 59.

BEGINNING at an iron rod set in the southwest corner of this description and on the north right of way line of the Pittman Road. Said iron rod set 450.45 feet on a line that is 20 feet north from and parallel to the centerline of Pittman Road. THENCE N 00° 11' 00" E, 251.02. feet to an iron rod set in David Leonards northeast corner (Exception shown in DB 385 PG 59). THENCE S 89° 16' 01" W, 281.9~ feet to an iron rod set on the east right of way line of US 45 Highway. THENCE along the east right of way line, which is a line that is 9 inches east from and parallel to the existing right of way fence and bears N 09° 29' 27"E, 1324.95 feet to an iron rod set in the northwest corner of this description and the J.G. Crawford southwest corner (DB 280 PG 827). THENCE S 89° 04' 57" E, 737.75 feet along the Crawford south line to an iron rod set in the northeast corner of this description and set on the east line of Mark Crawford (DB 377 PG 67). THENCE S 00° 04' 34" E, 269.24 feet to an iron rod set in the Crawford southwest corner. THENCE S 88° 31' 00" E, 25.71 feet to an iron rod set in Kenneth Thurston's northwest corner. THENCE S 00° 47' 17" W, 507.34 feet to an iron rod set in Thurston's corner. THENCE N 88° 55' 33" W, 302.39 feet to an iron rod set in Thurston's corner. THENCE S 00° 50' 22" E, 836.90 feet along

Thurston's west line to an iron rod set on the north line of Pittman Road. Said iron rod set 20 feet northerly from and at a right angle to the centerline of the road. THENCE N 67° 19' 40" W, 83.23 feet to an iron rod set on the David Cissell east line and the north line of the road. THENCE N 00° 00' 41" E, 344.09 feet to an iron rod set in David Cissell's northeast corner (DB 326 PG 50). THENCE N 86° 23' 13" W, 243.92 feet to an iron rod set in Cissell's northwest corner. THENCE S 00° 44' 41" W, 329.13 feet along Cissell's west line to an iron rod set on the northline of Pittman Road. Said iron rod set 20 feet northerly from and at a right angle to the centerline of the road. THENCE N 87° 20' 28" W, 79.45 feet to the POINT OF BEGINNING AND CONTAINING 22.79 ACRES, more or less according to a survey by D.O. SULLIVAN, PLS# 1606 on May 15, 2002 and being part of the land of record in Deed Book 169 Page 575.

Being the real estate conveyed to Purchase Area Regional Industrial Authority, Inc. by Deed Book 413, Page 842 of the Graves County, Kentucky Clerk's Office.

Parcel 6:

Tax ID No: 067.00.00.105.00
Parcel contains 1.94 acres, more or less

Beginning at a point in the north right of way line of Roy Pittman Road, said point being located in an easterly direction, ± 531.0 feet from the centerline of the eastbound lane of New U. S. Highway No. 45; thence in a northerly direction, 335.0 feet to a point; thence with an interior angle of 87° 08' and in an easterly direction, 244.0 feet to a point; thence with an interior angle of 93° 36' and in a southerly direction 353.29 feet to a point in the north right of way line of Roy Pittman Road; thence with an interior angle of 82° 16' and in a westerly direction along the north right of way line of Roy Pittman Road, 250.0 feet to the point of beginning.

The first and last call in the above description make an interior angle of 97° 00'. Said tract contains 1.94 acres.

Being the real estate conveyed to Purchase Area Regional Industrial Authority, Inc. by Deed Book 413, Page 846 of the Graves County, Kentucky Clerk's Office.

Parcel 7:

Tax ID No: 067.00.00.103.00
Parcel contains 38.72 acres, more or less

Being approximately 43 acres, more or less, being parts of the Northwest and Northeast Quarters of Section 20 T 5 R 1 E and more particularly described as follows:

Beginning at a point on the road known as Liberty Lane between the lands of Bob Mansker and the lands of C. D. Allcock and thence running North with the Mansker-Allcock line 91 poles and 19 links to a post; thence West 66 poles and 21 links to a post; thence South 30 poles 13 links to a post; thence West to a point 285 feet East of the Northwest corner of the

Allcock land; thence South 47 poles 13 ½ links to a point on the Liberty Lane Road 285 feet East of the Southwest corner of the Allcock land; thence running East with Liberty Lane to the point of beginning.

EXCEPT: Being 4.280 acres and being part of Deed Book 229, page 340, and being of record in the Graves County Court Clerk's Office and is more particularly described as follows:

Beginning at a point in the center of the Roy Pittman Road, said point located southeasterly 360.55 feet as measured along the centerline of the Roy Pittman Road from the southwest corner of the parent tract; thence South 87 degrees 29 minutes 21 seconds East, 287.74 feet to a point in the center of the Roy Pittman Road; thence North 7 degrees 22 minutes 14 seconds East, 648.62 feet to an iron pin and passing through an iron pin 15.15 feet from the center of the Roy Pittman Road; thence North 85 degrees 45 minutes 38 seconds West, 284.81 feet to an iron pin; thence South 7 degrees 34 minutes 23 seconds West, 657.44 feet to the point of beginning and passing through an iron pin 18.22 feet from said point of beginning and containing 4.280 acres.

Being the real estate conveyed to Purchase Area Regional Industrial Authority, Inc. by Deed Book 413, Page 833 of the Graves County, Kentucky Clerk's Office.

Parcel 8:

Tax ID No: 067.00.00.104.00
Parcel contains 4.28 acres, more or less

Being 4.280 acres and being part of Deed Book 229, Page 340, and being of record in the Graves County Court Clerk's Office and is more particularly described as follows:

Beginning at a point in the center of the Roy Pittman Road, said point located southeasterly 360.55 feet as measured along the centerline of the Roy Pittman Road from the southwest corner of the parent tract; thence South 87 degrees 29 minutes 21 seconds East, 287.74 feet to a point in the center of the Roy Pittman Road; thence North 7 degrees 22 minutes 14 seconds East, 648.62 feet to an iron pin and passing through an iron pin 15.15 feet from the center of the Roy Pittman Road; thence North 85 degrees 45 minutes 38 seconds West, 284.81 feet to an iron pin; thence South 7 degrees 34 minutes 23 seconds West, 657.44 feet to the point of beginning and passing through an iron pin 18.22 feet from said point of beginning and containing 4.280 acres.

Being the real estate conveyed to Purchase Area Regional Industrial Authority, Inc. by Deed Book 415, Page 722 of the Graves County, Kentucky Clerk's Office.

Parcel 9:

Tax ID No: 067.00.00.098.00
Parcel contains 55.0 acres, more or less

Being 55 acres of land, more or less, in the NE Qr. of Sec 20 T5 R 1 E and more particularly described as beginning at a stone; thence south 3° E 91 poles 19 links to a stake at bridge; thence south 86° 15' W 96 poles 4 links to a stake; thence north 3° W 91 poles 19 links to a stake; thence north 86° 15' E 96 poles 4 links to the beginning.

Being the real estate conveyed to Purchase Area Regional Industrial Authority, Inc. by Deed Book 413, Page 833 of the Graves County, Kentucky Clerk's Office.

Parcel 10:

Tax ID No: 067.00.00.102.00
Parcel contains 20.0 acres, more or less

Being 20 acres of land, more or less, in the N.E. Qr. of Sec. 20, T 5, R 1 East and described as follows:

Beginning at a point approximately .9 of a mile from where the Old Boaz Road intersects U.S. Highway #45 on the south line of said road; thence East along the south line of said Road 921 feet, more or less, to a stake; thence South 963 feet, more or less, to a stake; thence West 921 feet, more or less, to a stake; thence North 1,128 feet, more or less, to the point of beginning.

Being the real estate conveyed to Purchase Area Regional Industrial Authority, Inc. by Deed Book 416, Page 218 of the Graves County, Kentucky Clerk's Office.

Parcel 11:

Tax ID No: 067.00.00.101.00
Parcel contains 25.0 acres, more or less

By estimate 25 acres beginning at a stake on sixty acre line 77-7/10 poles west of the section line on Sec 20 Township 5 Range 1 East, running west 34 poles to a stake; thence south 118 poles to a stake parallel with section line, said land running across 2 sixty acre tracts of land, one off of the south side the northeast quarter of said section, the other off of the north side of the S. E. Quarter of said section.

Being the real estate conveyed to Purchase Area Regional Industrial Authority, Inc. by Deed Book 413, Page 837 of the Graves County, Kentucky Clerk's Office.

Parcel 12:

Tax ID No: 067.00.00.100.00
Parcel contains 23.0 acres, more or less

By estimated twenty-three and one-half acres, beginning at a slab on sixty acre line 46 2/5 Poles west of section line of Section 20, Township 5, Range 1 East; thence West 31 2/3 poles to a stake; thence South 118 poles to a stake. The above described land runs across two sixty acre tracts, one off the south side of the Northeast Quarter Section, the other off the north side of the Southeast Quarter Section 20, Township 5, Range 1 East. The above described land must run parallel with Section line. Said property is also described as follows: Beginning at a stake in the Liberty Church Road at the northwest corner of the Rube Rives thirty-five acre tract; thence along the Liberty Church Road in a westerly direction 31 2/3 poles, more or less, to a stake, corner to the 25 acre tract formerly conveyed to Addie May Carney; thence at right angles and in a southerly direction along the line of the Addie May Carney 25 acre tract 118 poles to the southeast corner of said Addie May Carney tract; thence at right angles and in an easterly direction 31 2/3 poles, more or less, running parallel to the Liberty Church Road to the southwest corner of a 35

Being the real estate conveyed to Purchase Area Regional Industrial Authority, Inc. by Deed Book 413, Page 837 of the Graves County, Kentucky Clerk's Office.

Parcel 13:

Tax ID No: 067.00.00.099.00
Parcel contains 1.0 acre, more or less

ALSO: Being 1.00 acres out of a 17 more or less tract of land conveyed to Bobby Elwood Garnett and wife, Robbie Garnett (a 1/8 interest of which was conveyed) by Rudolph Ross Rives and wife, Ruby Rives, as recorded in Deed Book 196, Page 93, dated June 25, 1965. Said 1.00 acre is situated in the N W Qr. Section 20 T 5 R 1 E and is more particularly described as beginning at an iron pin on the south side of the Leon Baldree Road. Said iron pin being 105.95 feet west from the center and 20 feet south from the center of said road. Thence with the following bearings and distances to iron pin corners: South 55 deg. 44 min. 50 sec. West, 437.57 feet. North 1 deg. 30 min. West, 236.73 feet to the south side of Leon Baldree Road, 20 feet south from center of said road. North 88 deg. 30 min. East, 368.00 feet to the point of beginning and containing 1.00 acre.

Being the real estate conveyed to Purchase Area Regional Industrial Authority, Inc. by Deed Book 413, Page 837 of the Graves County, Kentucky Clerk's Office.

Parcel 14:

Tax ID No: 067.00.00.097.00
Parcel contains 31.71 acres, more or less

Being 31.71 acres off the east side of the NE and SE Qrs. Of Section 20, T 5 N R 1 E and all the land situated on the west side of the Leon Baldree Road and bounded on the east and north by said road, conveyed to Bobby Elwood Garnett and wife, Robbie Garnett (a 1/8 interest of which was conveyed) by deed from Rudolph Ross Rives and wife, Ruby Rives, as recorded in Deed Book 196, Page 93, dated June 25, 1965, and is more particularly described as beginning at an iron pin in Carney Creek. Said iron pin being 20 feet west and 20 feet south from the center of said road where said road bears west toward Liberty Church. Thence with the following bearing and distances to iron pin corners. South 88 deg. 30 min. West, 85.95 feet. South 55 deg. 44 min. 50 sec. West, 437.57 feet. North 1 deg. 30 min. West, 236.73 feet. South 88 deg. 30 min. West, 293.76 feet. South 1 deg. 33 min. 22 sec. East, 1908.37 feet. North 88 deg. 12 min. 39 sec. East, 751.65 feet to west side of Leon Baldree Road, 20 feet west from the center of said road. North 2 deg. 6 min. 24 sec. West, 588.92 feet. North 1 deg. 28 min. 52 sec. West, 1315.69 feet to the point of beginning and containing 31.71 acres.

Being the real estate conveyed to Purchase Area Regional Industrial Authority, Inc. by Deed Book 413, Page 837 of the Graves County, Kentucky Clerk's Office.

Parcel 15:
Tax ID No: 067.01.00.027.01
Parcel contains 14.0 acres, more or less

Parcel 16:
Tax ID No: 067.00.00.095.01
Parcel contains 35.58 acres, more or less

Parcel 17:
Tax ID No: 067.01.00.026.01
Parcel contains 0.2 acres, more or less

Parcel 15, 16 and 17 Common Legal Description

A 50.784 acre tract of real estate located on the west side of East Baldree Road (a.k.a. Leon Baldree Road) near the Folsomdale Community and being approximately 10 miles north of Mayfield and 0.75 miles east of U.S. Highway 45 in Graves County, Kentucky and with said 50.784 acre tract being more particularly described as:

Beginning at the southeast corner of the property herein described said corner being an Iron Pin & Cap #3499 set on the west side of East Baldree Road (a.k.a. Leon Baldree Rd.) 20 feet west of the centerline (r.o.w. assumed to be 40' for this survey - deeds for r.o.w. not found) said iron pin & cap bears N 00^52'09"E 531.3 feet from the centerline intersection of said East Baldree Road and Kentucky Highway 849;

THENCE North 86 degrees 45 minutes 30 seconds West for a distance of 253.05 feet along the north boundary of the Francis & Janice Jolly property (D.B. 274, Pg. 836 - see 1979 survey by Jack Gray) to an Existing 1" Iron Pipe (bent) found at the northwest corner of said Jolly property;

THENCE North 80 degrees 50 minutes 51 seconds West for a distance of 1339.87 feet along a new line and the remaining Glenn & Linnie Jo Beckham property (D.B. 173, Pg. 251, D.B. 212, Pg. 614, D.B. 232, Pg. 48, D.B. 302, Pg. 225) to an Iron Pin & Cap #3499 set near a fence corner;

THENCE North 86 degrees 30 minutes 30 seconds West for a distance of 406.39 feet along the north boundary of the Anselment property (D.B. 368, Pg. 461) and the Danny & Glenda Wright property (D.B. 407, Pg. 99) to a 6" Sassafras tree fence corner and being the southwest corner of the property herein described;

THENCE North 03 degrees 39 minutes 54 seconds East for a distance of 923.21 feet along the east boundary of the said Wright property to an Iron Pin & Cap #3499 set near a fence corner;

THENCE South 88 degrees 02 minutes 42 seconds East for a distance of 38.91 feet along a southern boundary of the Loy & Helen Wilson property (D.B. 231, Pg. 52, D.B. 230, Pg. 226) to an Iron Pin & Cap #3499 set near a fence corner;

THENCE North 04 degrees 51 minutes 13 seconds East for a distance of 146.02 feet along an easterly boundary of the said Wilson property to an Iron Pin & Cap #3499 set and being the northwest corner of the property herein described;

THENCE South 87 degrees 31 minutes 03 seconds East for a distance of 94.02 feet continuing with the said Wilson boundary to an Existing Iron Pin & Cap #1606 found at the southwest corner of the Terry & Sandra Leonard & David & Lunele Leonard property (D.B. 263, Pg. 411, D.B. 305, Pg. 662) to an Iron Pin & Cap #3499 set at the southwest corner of the David & Lunele Leonard property (D.B. 384, Pg. 699);

THENCE South 87 degrees 31 minutes 04 seconds East for a distance of 1488.82 feet continuing with the said Leonard boundary to an Iron Pin & Cap #3499 set approximately 373.13 feet west of the centerline of East Baldree Road and being at the northwest corner of the Jennifer Houser Beckham property (D.B. 375, Pg. 773, D.B. 381, Pg. 767);

THENCE South 03 degrees 34 minutes 55 seconds West for a distance of 169.21 feet along the west boundary of said Beckham to an Existing 2" Channel Iron;

THENCE South 87 degrees 31 minutes 04 seconds East for a distance of 354.91 feet along the south boundary of said Beckham to an Iron Pin & Cap #3499 set on the west side of East Baldree Road (20' west of centerline);

THENCE South 02 degrees 58 minutes 43 seconds West for a distance of 858.11 feet along the west side of said East Baldree Road to an Iron Pin & Cap #3499 set;

THENCE South 02 degrees 44 minutes 07 seconds West for a distance of 208.16 feet continuing along the west side of East Baldree Road to the point of beginning and containing 50.784 acres.

Being the real estate conveyed to Purchase Area Regional Industrial Authority, Inc. by Deed Book 416, Page 342 and thereafter by Deed Book 423, Page 463 of the Graves County, Kentucky Clerk's Office.

Parcel 18:

Tax ID No: 067.00.00.096.01
Parcel contains 0.3 acres, more or less

Beginning at the Northwest corner of the land conveyed to Jennifer Marie Beckham by deed recorded in Deed Book 375, Page 773, said point being 264 feet West of a stake in the Baldree Road right of way, which is the Northeast corner of the said Jennifer Marie Beckham land, thence West along the North line of the land of Glenn W. Beckham and wife, Linnie Jo Beckham, which is bounded on the North by the Leonard Bros. Farm, 100 feet to a stake; thence South across the Glenn W. Beckham and Linnie Jo Beckham land 167 feet to a stake; thence East along a line parallel with the North line of the Glenn W. Beckham and Linnie Jo Beckham land 100 feet to the Southwest corner of said Jennifer Marie Beckham land; thence North along the West boundary of said Jennifer Marie Beckham land 167 feet to the point of beginning and containing 1/3 acre, more or less.

Being the real estate conveyed to Purchase Area Regional Industrial Authority, Inc. by Deed Book 415, Page 716 of the Graves County, Kentucky Clerk's Office.

Parcel 19:

Tax ID No: 067.00.00.096.00
Parcel contains 1.0 acres, more or less

Being 1 acre of land lying in the SE Qr. of Sec. 20 T 5 R 1 E and being more particularly described as follows:

Beginning at a stake in the Baldree Road right-of-way and also being the northeast corner of the land of Glenn W. Beckham and wife, Linnie Jo Beckham which is bounded on the East side by Baldree Road and on the North by the Leonard brothers farm, thence West along the North line of the Beckham land 264 feet to a stake; thence South across the Beckham land 167 feet to a stake; thence East along a line parallel with the North line of the Beckham land 264 feet to the Baldree Road right-of-way; thence North along the Baldree Road right-of-way 167 feet to the point of beginning and containing 1 acre more or less.

Being the real estate conveyed to Purchase Area Regional Industrial Authority, Inc. by Deed Book 415, Page 716 of the Graves County, Kentucky Clerk's Office.

Parcel 20:

Tax ID No: 083.00.00.073.00
Parcel contains 182.72 acres, more or less

BEGINNING at a steel rod set in the northwest corner of the southwest quarter of Section 16, T5NR1E. Thence N 85° 15' 00" E, 16.5 feet to a steel rod set in the north line of the said quarter and the east line of the Baldree Road. Thence S 1 ° 40' 41 W, 2126.88 feet along the east line of the Baldree Road and generally a fence to a ½ inch steel rod found and a steel rod set in the southwest corner of this description and the northwest corner of the David Ray land

of record .in Deed Book 347 Page 672 in the records of the Gra
Thence N 85° 58' 36" E, 4146.58 feet along the Ray north line and-
rod set in the center of a slough a corner to the Ray land. Then
slough to steel rods set at meandering calls 10 a steel rod set in the
quarter of Section 16 as follows:

N 10° 22' 36" E, 83.23 feet
N 3° 29' 41" W, 98.43 feet
N 2° 41' 14" W, 301.80 feet
N 44° 59' 47" W, 110.46 feet
N 47° 13' 51" W, 287.37 feet
N 29° 07' 58" W, 234.49 feet
N 38° 16' 04" W, 225.47 feet
N 34° 32' 38" W, 203.46 feet
N 68° 15' 45" W, 39.96 feet
N 66° 13'07" W, 122.65 feet
N 46° 41' 02" W, 168.93 feet
N 47° 05'13" W, 436.31 feet
N 10° 46' 12" W, 240.33 feet

Thence S 86° 15' 00" W, passing over a steel rod set in the northe
quarter of Section 16, at 137.51 feet, in all 2807.46 feet along the
the point of BEGINNING AND CONTAINING 174.27 ACRES, m
survey by D. O. Sullivani#1606 on September 18, 1998.

ALSO,

BEGINNING at a steel rod set in the southwest corner of the north
T5NR1E. Thence N 86° 1500" E, 1381.05 feet along the south line
Section 16 to a point, same being the southwest corner of a 20 a
Book 211 Page 283. Thence N 1° 54' 41" E, 653.04 feet along t
Deed Book 211, Page 283 to a steel rod set in the northwest corn
Deed Book 211, Page 283. Thence N 0° 07' 42" E, 1375.70 feet alo
of Larry Wilson of record In Deed Book 277 Page 228 and general
in the northeast corner of this description. Thence S 87° 47' 3
generally a fence line and the south line of the land of Larry Wils
277 Page 228 and Deed Book 176 Page 33 to a steel rod set in t
description and a corner to the Wilson land. Thence S 1° 30' 1
generally a fence and the west line of the Wilson land to the po
CONTAINING 64.34 ACRES, more or less, according to a surve
on September 18, 1998.

EXCEPT

A 43.178 acre tract of land lying approximately 0.6 miles east of U.S. Highway 45 and approximately 0.15 miles north of East Baldree Road (a.k.a. Leon Baldree Road) on the north side of the Folsomdale Community in Graves County, Kentucky, and with said 43.178 acres being more particularly described as:

Beginning at an Existing Iron Pin & Cap #1606 found on the south side of East Pittman Road, approximately 16.7 feet south of the centerline and approximately 506 feet east of the centerline of U.S. Highway 45 said iron pin & cap being at the northwest corner of Tract I of Parcel II of the Purchase Area Regional Industrial Authority, Inc. property (formerly Crawford property) as described in D.B. 420, Pg. 51; THENCE South 87 degrees 12 minutes 03 seconds East for a distance of 2661.55' feet along the south side of East Baldree Road and the north side of said Tract I of Parcel II to an Iron Pin & Cap #3499, said iron pin & cap being set at the beginning of a curve where East Baldree Road turns and runs in a southerly direction; THENCE North 80 degrees 05 minutes 53 seconds East for a distance of 51.87 feet crossing East Baldree Road to a 5/8" Rebar Iron Pin at the southwest corner of Tract III of Parcel II of the same Purchase Area Regional Industrial Authority, Inc. property described in D.B. 420, Pg. 51, and being the southwest corner of the tract of which the herein described 43.178 acres is a part of; THENCE

North 02 degrees 37 minutes 53 seconds East for a distance of 687.63 feet along the west boundary of said Tract III of Parcel II and the east boundary Tract V of the Larry Wilson, et al property (D.B. 402, Pg. 588) to an Iron Pin & Cap #3499 set and being the TRUE POINT OF BEGINNING of the herein described property;

THENCE North 02 degrees 37 minutes 53 seconds East for a distance of 1377.79 feet continuing along the west boundary of said Tract III of Parcel II and the east boundary Tract V of the Larry Wilson, et al property (D.B. 402, Pg. 588) to an Existing Iron Pin # Cap #1606 found and being the northwest corner of the herein described property;

THENCE North 88 degrees 37 minutes 56 seconds East for a distance of 1352.83 feet continuing along the north boundary of said Tract III of Parcel II and a southerly boundary of the Larry Wilson, et al property (D.B. 402, Pg. 588) to an Existing Iron Pin # Cap #1606 found and being the northeast corner of the herein described property;

THENCE South 01 degrees 19 minutes 07 seconds West for a distance of 1375.58 feet continuing along the east boundary of said Tract III of Parcel II and a westerly boundary of the Larry Wilson, et al property (D.B. 402, Pg. 588) to an Existing Iron Pin # Cap #1606 found and being the southeast corner of the herein described property;

THENCE South 88 degrees 37 minutes 00 seconds West for a distance of 1384.45 feet along a new line and the north boundary of the remaining portion of said Tract III of Parcel II of the Purchase Area Regional Industrial Authority, Inc. property to the point of beginning, and containing 43.178 acres.

Being the real estate conveyed to Purchase Area Regional Industrial Authority, Inc. by Deed Book 417, Page 528 and thereafter by Deed Book 420, Page 51 of the Graves County, Kentucky Clerk's Office.

Parcel 21:

Tax ID No: 083.00.00.075.00
Parcel contains 19.14 acres, more or less

BEGINNING at a steel rod set in the southwest corner of the northwest quarter of Section 16, T5NR1E. Thence N 86° 15' 00" E, 1381.05 feet along the south line of said quarter to a point in the southwest corner of this description. Thence continuing along the south line of said quarter at N 86° 15' 00" E, 1305.40 feet to a steel rod set in the southeast corner of the northwest quarter to Section 16 and a corner to the Larry Wilson land of record in Deed Book 207 Page 289. Thence N 1° 37' 25" E, along the east line of said quarter and the west line of the Wilson land and passing over a steel rod set at 412.5 feet, in all 631. 77 feet to a steel rod set in the northeast corner of this description and on the west line of Harold Sides of record in Deed Book 156 Page 386 and a corner10 the Larry Wilson land of record in Deed Book 277 Page 228. Thence S 87010' "09" Wand passing over a steel rod set at 360.61 feet on the east bank of a slough, in all 939.72 feet along the south line of the Wilson land to a steel rod set at the base of a wood post. Thence S 10 54' 41" W, 653.04 feet to the POINT OF BEGINNING AND CONTAINING 19.14 ACRES, more or less, according-to a survey by D. O. Sullivan, #1606, dated September 18, 1998.

Being the real estate conveyed to Purchase Area Regional Industrial Authority, Inc. by Deed Book 417, Page 528 and thereafter by Deed Book 420, Page 51 of the Graves County, Kentucky Clerk's Office.

Parcel 22:

Tax ID No: 083.00.00.072.00
Parcel contains 116.21 acres, more or less

A 116.21 acre parcel of land as per March, 1994 survey of Art Travis, KYLS #1933 and located approximately 1 mile northeast of the Folsomdale community of Graves County, Kentucky, and more particularly described as beginning at the southwest corner of the property herein conveyed; said corner being a 1/2 inch round steel pin set 20.00 feet east of the Leon Baldree Road centerline and being north 01 deg. 30 min. 37 sec. Est - 1673.89 feet from the intersection of the centerline of the Leon Baldree Road and the centerline of the Roy Pittman Road.

Thence: North 00 deg. 36 min. 17 sec. East - 595.60 feet along the east right of way of the Leon Baldree Road to a 1/2 inch round steel pin set 20.00 feet east of the centerline of the Leon Baldree Road and being the Northwest corner of the property herein conveyed and the southwest corner of the Harold Sides property as described in Deed Book 177, Page 568, Graves County Court Clerk's Office.

Thence: North 85 deg. 11 min. 50 sec. East - 4162.38 feet generally along the south fence line of the Harold Sides property as described in Deed Book 177, Page 568, Graves County Court Clerk's Office, to the center of a slough.

Thence: North 01 deg. 52 min. 57 sec. East - 60.42 feet generally along the center of said slough to a point.

Thence: North 02 deg. 23 min. 29 sec. West - 81.04 feet generally along the center of said slough to a point.

Thence: North 04 deg. 44 min. 22 sec. East - 310.97 feet general along the center of said slough to a point.

Thence: North 44 deg. 56 min. 57 sec. West - 430.35 feet generally along the center of said slough to a point.

Thence: North 17 deg. 44 min. 40 sec. West - 151.86 feet generally along the center of said slough to a point.

Thence:	North 40 deg. 00 min. 44 sec. West - 534.58 feet generally along the center of said slough to a ` point and being a corner of the property herein described.
Thence:	North 85 deg. 39 min. 01 sec. East - 25.00 feet generally along the north fence line of the property herein described to a 1/2 inch iron pin set on the east bank of said slough and being a witness pin of the property herein described.
Thence:	North 85 deg. 39 min. 01 sec. East - 890.13 feet generally along the north fence line of the Harold Sides property as described in Deed Book 177, Page 568, Graves County Court Clerk's Office, to a point in the center of Mayfield Creek and being the northeast corner of the property herein described.
Thence:	South 29 deg. 49 min. 58 sec. East - 2126.20 feet generally along the centerline of the Mayfield Creek to a point, said point being the southeast corner of the property herein described.
Thence:	South 85 deg. 50 min. 00 sec. West - 2280.81 feet along the north property lines of the Cloys Wilson as described in Deed Book 295, page 561; and the James Milton Davenport property as described in Deed Book 210, Page 344, Graves County Court Clerk's Office; and the Charlie Thurston property as described in Deed Book 280, Page 513, Graves County Court Clerk's Office; to a 1/2 inch round steel pin and cap found, said pin being the northwest corner of the Thurston property and the northeast corner of the Michael Kevin Davenport property as described in Deed Book 318, Page 230, Graves County Court Clerk's Office.
Thence:	South 85 deg. 50 min. 00 sec. West - 518.63 feet along the north property line of the Davenport property to a 1/2 inch round steel pin and cap found at the northwest corner of the Davenport property.
Thence:	South 00 deg. 20 min. 00 sec. West - 325.86 feet along the West property line of the Michael Davenport property to a 1/2 inch round steel pin set at the northeast corner of the Michael Davenport property as described in Deed Book 318, Page 230, Graves County Court Clerk's Office.
Thence:	South 85 deg. 50 min. 00 sec. West - 166.00 feet to a 1/2 inch round steel pin set at the northwest corner of the Davenport property.
Thence:	South 83 deg. 48 min. 04 sec. West - 996.04 feet along the north property line of the Elgie Hendon property as described in Deed Book 313, Page 593, Graves County Court Clerk's Office to the center of a 36 inch tree stump and being the northwest corner of the Hendon property and a corner of the property herein described.
Thence:	South 02 deg. 42 min. 14 sec. West - 326.76 feet along the West property line of the Elgie Hendon property to a 36 inch Red oak corner tree and being a corner of the Hendon property and a point in the north line of the Charlie Thurston property as described in Deed Book 159, Page 462, Graves County Court Clerk's Office.
Thence:	South 84 deg. 29 min. 32 sec. West - 863.20 feet along the north line of the Charlie Thurston property to a 5/8 inch round steel pin set at the northwest corner of the Charlie Thurston property as described in Deed Book 280, Page 791, Graves County Court Clerk's Office, and the northeast corner of the Charlie Thurston property as described in Deed Book 244, page 58, Graves County Court Clerk's Office, and being the southeast corner of the Charlie Thurston property as described in Deed Book 278, Page 480, Graves County Court Clerk's Office.
Thence:	North 01 deg. 08 min. 53 sec. East - 633.97 feet along the east property line of the Charlie Thurston property as described in Deed Book 278, Page 480, Graves County Court Clerk's Office, to a 4 inch round creosote post found at the northeast corner of the Thurston property.
Thence:	South 85 deg. 08 min. 22 sec. West - 645.21 feet along the north line of the Thurston property to the point of beginning.

Being the real estate conveyed to Purchase Area Regional Industrial Authority, Inc. by Deed Book 416, Page 337 of the Graves County, Kentucky Clerk's Office.

Parcel 23:

Tax ID No: 083.00.00.071.00
Parcel contains 10.0 acres, more or less

A ten (10) acre tract of land, more particularly described as follows: Being a part of the Northwest Quarter of Section 21 T 5 R 1 E, beginning at a sweetgum on the west line of said Section 21; thence North 83 degrees East 39 poles 17 ½ links to a stake; thence south 4 degrees East 40 poles and 7 links to a stone; thence South 81 degrees 30 minutes West 39 poles 21 2/3 links to a stake; thence north 3 degrees west 40 poles and 19 links to the beginning, containing ten (10) acres and nine (9) poles, more or less.

Being the real estate conveyed to Purchase Area Regional Industrial Authority, Inc. by Deed Book 417, Page 580 of the Graves County, Kentucky Clerk's Office.

Parcel 24:

Tax ID No: 083.00.00.061.00
Parcel contains 15.0 acres, more or less

Lot numbered six (6) in the division of the lands of R. T. Adams made by his last will and testament, recorded in will book B at page 398, Office of the Clerk of the Court in and for the County of Graves, State of Kentucky, being a part of the Northwest one-quarter (NW ¼) of Section 21, Township 5, Range 1 East, and more particularly described as beginning at the Southwest corner of said lot; thence North 63 poles; thence East 38 poles 2 ½ links; thence South 63 poles; thence West 38 poles 2 ½ links to the point of origin, and containing 15 acres, more or less.

Being the real estate conveyed to Purchase Area Regional Industrial Authority, Inc. by Deed Book 417, Page 580 of the Graves County, Kentucky Clerk's Office.

Parcel 25:

Tax ID No: 083.00.00.062.00
Parcel contains 2.6 acres, more or less

Being a small tract or parcel of land containing 2 and 6/10 acres, more or less, and coming out of the southwest corner of the tract of land containing 15 acres and 4/10 poles, which was conveyed to E. T. Ledbetter, et ux, by deed dated December 6, 1954, recorded in Deed Book 159, Page 461, in Graves County Court Clerk's Office.

The above 2 and 6/10 acres of land conveyed by this deed being more particularly described as follows: Beginning at the Southwest corner of the above described 15 and 4/10 pole tract at a post; running thence east 315 feet to a stake; thence North 500 feet to a stake; thence West 200 feet to a stake; thence South to Carney Creek; thence in a Southwesterly direction with the meanderings of said creek to the East line of the above 15 and 4/10 pole tract referred to above; thence with said west line south 100 feet to beginning, this tract is estimated to contain 2 and 6/10 acres, more or less.

Being the real estate conveyed to Purchase Area Regional Industrial Authority, Inc. by Deed Book 417, Page 580 of the Graves County, Kentucky Clerk's Office.

Parcel 26:

Tax ID No: 083.00.00.063.00
Parcel contains 13.0 acres, more or less

TRACT III:
That tract of land situated in the north west quarter of section 21 T 5 R 1 East and being more particularly described as follows: Beginning at a post at Charlie and Elwanda Thurston's north east corner, the same being in Felix Dillingham's south line and being about 75 poles east and about 38 poles south from the north west corner of the north west quarter of said section 21, and running thence south 4° E st 63 poles to a stake on the north line of the road; thence north 78 1/2° east 39 2/5 poles to a stake; thence north 4° West 63 ¼ poles to a post; thence south 78 1/2° West and along Dillingham's south line 39 poles to the beginning: containing 15 and 4/10 acres all distances an acreage being more or less. The above described property is bounded on the west and south by land of Charlie and Elwanda Thurston, on the east by the land of Laketon Jones and on the north in part by land of Laketon Jones, in part of land by Felix Dillingham, said property is conveyed subject to legal Highways. Said property is conveyed with all benefits of all appurtenances thereunto belonging.

EXCEPT: There is excepted and not conveyed by this deed the following described parcel or tract of land out of the south west corner of the above said tract of land and being described as follows: Beginning at the southwest corner of the above described tract of land at a post running thence east 315 feet to a stake; thence north 500 feet to a stake; thence west 200 feet to a stake; thence south to a Carney Creek; thence in a south westerly direction with the meanderings of said creek to the west line of the tract first described in this deed; thence with said West line south 100 feet to the beginning. This tract is estimated to contain approximately 2 and 6/10 acres more or less.

Being the real estate conveyed to Purchase Area Regional Industrial Authority, Inc. by Deed Book 417, Page 850 of the Graves County, Kentucky Clerk's Office.

Parcel 27:

Tax ID No: 083.00.00.064.00
Parcel contains 22.598 acres, more or less

Being 22.598 acres as shown on a plat prepared by Geotech Engineering and Testing of Murray, Kentucky on September 30, 2003 and of record in Plat Cabinet D, Slide 327, Graves County Court Clerk's Office and with said 22.598 acres being located approximately 2,200 feet east of East Baldree Road and 4,400 feet north of Kentucky Highway #849 in Graves County, Kentucky and with said 22.598 acres being more particularly described as follows:

Beginning at a #4 rebar (found) at the northwest corner of the Michael K. Davenport property (D.B. 318 Page 230 Tract VI), said rebar being also located North 27 degrees 57 minutes 59 seconds East 5899.90 feet from the centerline intersections of East Baldree Road and Kentucky Highway 849 and is the northeast corner of the herein described tract of land:

THENCE South 02 degrees 07 minutes 48 seconds West for a distance of 347.98 feet with the west line of Davenport to an Iron Pin with cap (found);

THENCE South 03 degrees 20 minutes 16 seconds West for a distance of 1037.37 feet continuing with the Michael K. Davenport property to a 5/8" rebar (found) on the north line of the James Davenport property (D.B. 379 PG. 291, D.B. 188 PG. 473, D.B. 227 PG. 645), said rebar being the southeast corner of the herein described tract;

THENCE South 85 degrees 44 minutes 46 seconds West for a distance of 627.00 feet with the north line of said James Davenport property to an Iron Pin with cap #3499 (set) in the east line of the Elwanda Thurman property (D.B. 285 PG. 152, D.B. 280 PG. 791, D.B. 278 PG. 480, D.B. 159 PG. 462), said pin being also located North 85 degrees 44 minutes 46 seconds East 15.27 feet from an Iron Pin with cap #3499 (set) at the northwest corner of James Davenport;

THENCE North 03 degrees 20 minutes 16 seconds East for a distance of 1056.12 feet with the east line of Thurman to an Iron Pin with cap #3499 (set);

THENCE South 86 degrees 35 minutes 00 seconds West for a distance of 384.10 feet with a south line of Thurman to a 37" Red Oak Tree at a common corner of the John Ray property (D.B. 347 PG. 672);

THENCE North 04 degrees 45 minutes 59 seconds East for a distance of 326.76 feet with the south line of Ray to an Iron Pin with cap #3499 (set) 2.05 feet west of an existing steel fence post;

THENCE North 85 degrees 48 minutes 32 seconds East for a distance of 996.04 feet continuing with the south line of Ray to the point of beginning.

Being the real estate conveyed to Purchase Area Regional Industrial Authority, Inc. by Deed Book 421, Page 171 of the Graves County, Kentucky Clerk's Office.

Parcel 28:

Tax ID No: 083.00.00.060.00
Parcel contains 56.0 acres, more or less

TRACT VII:
Being 55 acres of land, more or less, in the N W Qr of Sec 21 T 5 R 1 E and described as beginning at the south west corner of the quarter; thence north with the section line, 57 rods; thence east 38 rods, 2 ½ links; thence north 63 rods; thence east 38 rods 2 ½ links; thence south 63 rods; thence east 33-4/5 rods; thence south 57 rods to the south line of the quarter; thence west with the quarter section line, 110 poles to the beginning.

Being the same real estate conveyed to Charlie Thurston and wife, Elwanda Thurston from R A Chapman and wife, Esther Chapman, by deed dated January 17, 1946, recorded January 29, 1946, and of record in Deed Book 135, Page 60, Graves County Court Clerk's Office. Charlie E. Thurston is now deceased, having died on September 22, 1985 and pursuant to the survivorship clause in Deed Book 285, Page 152, Graves County Court Clerk's Office, Elwanda Thurston is now full fee simple owner of the herein described real estate.

Being the real estate conveyed to Purchase Area Regional Industrial Authority, Inc. by Deed Book 417, Page 580 of the Graves County, Kentucky Clerk's Office.

Parcel 29:

Tax ID No: 083.00.00.057.00
Parcel contains 16.0 acres, more or less

Parcel 30:

Tax ID No: 084.00.00.095.00
Parcel contains 73.8 acres, more or less

Parcel 29 and 30 Common Legal Description

Being 89.803 acres as shown on a plat prepared by Geotech Engineering and Testing of Murray, Kentucky on September 30, 2003 and of record in Plat Cabinet D, Slide 327, Graves County Court Clerk's Office and with said 89.803 acres being located at the northeast intersection of Kentucky Highway #849 and East Baldree Road in Graves County, Kentucky and with said 89.803 acres being more particularly described as follows:

Beginning at an Iron Pin with cap #3499 (set) 30 feet north of the centerline of Kentucky Highway 849 and 20 feet east of the centerline of East Baldree Road, said pin being the southwest corner of the herein described tract of land;

THENCE North 02 degrees 44 minutes 07 seconds East for a distance of 708.04 feet with the east side of East Baldree Road to an Iron Pin with cap #3499 (set);

THENCE North 02 degrees 58 minutes 43 seconds East for a distance of 1027.57 feet with the east side of said road to an Iron Pin with cap #3499 (set);

THENCE North 02 degrees 09 minutes 53 seconds East for a distance of 588.91 feet with the east side of said road to an Iron Pin with cap #3499 (set);

THENCE North 02 degrees 47 minutes 25 seconds East for a distance of 250.78 feet continuing with the east side of East Baldree Road to an Iron Pin with cap #3499 (set) at the southwest corner of the Elwanda Thurman property (D.B. 285 PG. 152, D.B. 280 PG. 791, D.B. 278, PG. 480, D.B. 159, PG. 462), said pin being the northwest corner of the herein described tract of land;

THENCE North 85 degrees 21 minutes 11 seconds East for a distance of 454.00 feet with the south line of Thurston to an Iron Pin with cap #3499 (set);

THENCE North 02 degrees 47 minutes 25 seconds East for a distance of 90.00 feet with the south line of Thurston to an Iron Pin with cap #3499 (set);

THENCE North 86 degrees 03 minutes 49 seconds East for a distance of 1404.25 feet continuing with the south line of Thurston to a 30" Hickory Tree located on the west line of the James Davenport property (D.B. 379, PG. 291, D.B. 188, PG. 473, D.B. 227, PG. 645), said tree being the southeast corner of Thurston and the northeast corner of the herein described tract;

THENCE South 02 degrees 33 minutes 17 seconds West for a distance of 1676.53 feet with the west line of said James Davenport to an Iron Pin with cap #3499 (set) at the northeast corner of the Robert Nall property (D. B. 243, PG. 63);

THENCE South 85 degrees 59 minutes 37 seconds West for a distance of 997.92 feet with the north line of Nall to a fence corner post (found) at Nall's northwest corner;

THENCE South 02 degrees 39 minutes 24 seconds West for a distance of 998.78 feet with the west line of Nall to an Iron Pin with cap #3499 (set) on the north right-of-way of Kentucky Highway 849, 30 feet north of said centerline;

THENCE South 85 degrees 59 minutes 06 seconds West for a distance of 648.30 feet with the north right-of-way of Kentucky Highway 849 to an Iron Pin with cap $3499 (set);

THENCE along a curve to the right having a radius of 2834.93 feet and an arc length of 216.44 feet, being subtended by a chord of South 87 degrees 56 minutes 15 seconds West for a distance of 216.39 feet continuing with the north right-of-way of Kentucky Highway 849 to the point of beginning and containing 89.803 acres.

Being the real estate conveyed to Purchase Area Regional Industrial Authority, Inc. by Deed Book 421, Page 171 of the Graves County, Kentucky Clerk's Office.

Parcel 31:

Tax ID No: 084.00.00.096.00
Parcel contains 20.0 acres, more or less

About 20 acres of land, in the central part of the 60 acre tract off of the south side of the south west quarter of sec. 21 T 5 R 1 East, being a portion of the land conveyed to I. H. McReynolds by W. W. Council, on June 25, 1912, as shown by deed recorded among the land records of Graves County, Kentucky, in Volume 48 of deeds, at page 187 in the office of the county court clerk, and bounded on the north by Asa McReynolds land, on the east by Tommie Jones, on the south by Boaz and Folsomdale road, and on the west by Asa McReynolds.

Being the real estate conveyed to Purchase Area Regional Industrial Authority, Inc. by Deed Book 415, Page 726 of the Graves County, Kentucky Clerk's Office.

Parcel 32:

Tax ID No: 084.00.00.094.01
Parcel contains 40.579 acres, more or less

Being 40.579 acres of real estate located approximately 1.2 miles east of U. S. Highway 45, and on the south side of Kentucky Highway 849, and approximately 1200 feet east of East Baldree Road near the Folsomdale Community of Graves County, Kentucky and with said 40.579 acres being more particularly described as follows:

Beginning at the northwest corner of the property herein described said corner being an Iron Pin & Cap #3499 set 30' south of the centerline and 1384.47 feet west of the centerline of Whittemore Road;

THENCE North 85 degrees 59 minutes 06 seconds East for a distance of 622.36 feet along the south right-of-way of said Ky. Highway 849 to an Iron Pin & Cap #3499 set 30' south of the centerline;

THENCE along a curve to the right having a radius of 5699.65 feet and an arc length of 180.75 feet, being subtended by a chord of North 87 degrees 19 minutes 12 seconds East for a distance of 80.74 feet continuing along the south right-of-way of said Ky. Highway 849 to an Iron Pin & Cap #3499 set 30' south of the centerline;

THENCE North 88 degrees 01 minutes 33 seconds East for a distance of 528.35 feet continuing along the south right-of-way of Ky. Highway 849 to an Iron Pin & Cap #3499 set 30' south of the centerline and 50' west of the centerline of Whittemore Road and being the northeast corner of the property herein described;

THENCE South 00 degrees 57 minutes 43 seconds West for a distance of 146.02 feet along the west right-of-way of Whittemore Road to an Iron Pin & Cap #3499 set 50' west of the centerline;

THENCE South 89 degrees 02 minutes 17 seconds East for a distance of 15.00 feet continuing with the west right-of-way of Whittemore Road to an Iron Pin & Cap #3499 set 35' west of the centerline;

THENCE South 00 degrees 57 minutes 43 seconds West for a distance of 1150.04 feet along west right-of-way of Whittemore Road to an Iron Pin & Cap #3499 set 35' west of the centerline, said iron pin & cap bears South 86 degrees 47 minutes 22 seconds West a distance of 70.19 feet from and Existing Iron Pin & Cap #1955 found on the east side of Whittemore Road;

THENCE South 85 degrees 53 minutes 42 seconds West for a distance of 758.27 feet along the north boundary of the Terry & Sandra Leonard property (D.B. 385, Pg. 63) to an Iron Pin & Cap #3499 set;

THENCE South 86 degrees 35 minutes 59 seconds West for a distance of 596.92 feet along the north boundary of the William H. Green, Jr. property (D.B. 377, Pg. 760) to a point in Carney Creek said point being south 45.00 feet south of an Iron Pin & Cap #3499 Witness corner set, said point being the southwest corner of the property herein described;

THENCE North 01 degrees 17 minutes 11 seconds East for a distance of 1315.92 feet with a new division line, passing the said iron pin & cap witness corner at 45.00 feet and with the remaining Ricky Thurston property (D.B. 299, Pg. 9 - Tract No. I) to the point of beginning and containing 40.579 acres, more or less.

Being the real estate conveyed to Purchase Area Regional Industrial Authority, Inc. by Deed Book 435, Page 152 of the Graves County, Kentucky Clerk's Office.

Parcel 33:

Tax ID No: 084.00.00.060.00
Parcel contains 47.997 acres, more or less

A 47.997 acre tract of land as surveyed by Geotech Engineering & Testing, Inc. in April 2005, and being generally located approximately 1.4 miles east of U.S. Highway 45, on the south side of Kentucky Highway 849, east of Whittemore Road, and near the Folsomdale Community of Graves County, Kentucky and with said 47.997 acres being more particularly described as:

Beginning at the northwest corner of the property herein described said corner being an Iron Pin & Cap #3499 set, 50 feet south of the centerline of Ky. Highway 849, 60.6 feet east of the centerline of Whittemore Road, 6.6 feet east of the right-of-way of said Whittemore Road, and 20.42 feet south of an Existing #4 Rebar Iron Pin found;

THENCE North 88 degrees 01 minutes 33 seconds East for a distance of 140.14 feet along the south right-of-way of said Kentucky Highway 849 to an Iron Pin & Cap #3499 set;

THENCE along a curve to the left having a radius of 5779.65 feet and an arc length of 250.50 feet, being subtended by a chord of North 86 degrees 56 minutes 11 seconds East for a distance of 250.49 feet continuing along the south right-of-way of said Highway 849 to an Iron Pin & Cap #3499 set;

THENCE North 85 degrees 24 minutes 43 seconds East for a distance of 1231.97 feet continuing along the south right-of-way of said Highway 849 to an Iron Pin & Cap #3499 set (50' south of centerline) and being the northeast corner of the property herein described and the northwest corner of the James Milton & Betty Davenport property (D.B. 379, Pg. 282);

THENCE South 01 degrees 31 minutes 56 seconds West for a distance of 1309.32 feet along the west boundary of said Davenport to an Existing #4 Rebar Iron Pin found and being the southeast corner of the property herein described;

THENCE South 87 degrees 03 minutes 27 seconds West for a distance of 1638.38 feet along the Robert Nall, et al property (D.B. 104, Pg. 531) to an Existing Iron Pin & Cap #1955 found on the east side of Whittemore Road (35' east of centerline);

THENCE North 00 degrees 57 minutes 41 seconds East for a distance of 653.89 feet along the east right-of-way of Whittemore Road, passing an Iron Pin & Cap #3499 witness corner set at 603.89 feet and continuing to a point in a creek;

THENCE North 84 degrees 56 minutes 57 seconds East for a distance of 31.76 feet along the creek, leaving Whittemore Road, and along the south boundary of the Ricky Thurston property (D.B. 299, Pg. 9 – Tract II) to a point;

THENCE North 00 degrees 57 minutes 44 seconds East for a distance of 619.69 feet along the east boundary of said Thurston, passing an Existing #4 Rebar Iron Pin at 89.85 feet and continuing to the point of beginning.

Being the real estate conveyed to Purchase Area Regional Industrial Authority, Inc. by Deed Book 425, Page 121 and thereafter by Deed Book 431, Page 574 of the Graves County, Kentucky Clerk's Office.

Parcel 34:

Tax ID No: 084.00.00.093.00
Parcel contains 22.598 acres, more or less

A 22.598 acre tract of land as surveyed by Geotech Engineering & Testing, Inc. in April 2005 and being generally located on the west side of Whittemore Road approximately 1326.6 feet south of Kentucky Highway 849 near the Folsomdale Community of Graves County, Kentucky and with said 22.598 acres being more particularly described as:

Beginning at the northeast corner of the property herein described said corner being an Iron Pin & Cap #3499 set in the west right-of-way of Whittemore Road (35' west of centerline) and bears South 86 degrees 47 minutes 22 seconds West a distance of 70.19 feet from an Existing Iron Pin & Cap #1955 found on the east side of roadway at the southwest corner of the David & Lunelle Leonard property (D.B. 384, Pg. 696) said iron pin & cap being 10.27 feet west of an existing cross-tie fence post;

Thence along the west right-of-way of Whittemore Road with the following calls:

THENCE South 01 degrees 02 minutes 35 seconds West for a distance of 677.89 feet to an Iron Pin & Cap #3499 set 35' west of centerline;

THENCE along a curve to the right having a radius of 681.20 feet and an arc length of 143.50 feet, being subtended by a chord of South 07 degrees 03 minutes 17 seconds West for a distance of 143.24 feet to an Iron Pin & Cap #3499 set 35' west of centerline;

THENCE North 76 degrees 54 minutes 38 seconds West for a distance of 5.00 feet to an Iron Pin & Cap #3499 set 40' west of centerline;

THENCE along a curve to the right having a radius of 676.20 feet and an arc length of 211.57 feet, being subtended by a chord of South 22 degrees 03 minutes 10 seconds West for a distance of 210.71 feet to an Iron Pin & Cap #3499 set 40' west of centerline;

THENCE South 31 degrees 01 minutes 47 seconds West for a distance of 110.82 feet to an Iron Pin & Cap #3499 set 40' west of centerline;

THENCE along a curve to the left having a radius of 756.20 feet and an arc length of 34.42 feet, being subtended by a chord of South 29 degrees 43 minutes 14 seconds West for a distance of 34.42 feet to an Iron Pin & Cap #3499 set 40' west of centerline;

THENCE South 61 degrees 35 minutes 01 seconds East for a distance of 5.00 feet to an Iron Pin & Cap #3499 set 35' west of centerline

THENCE along a curve to the left having a radius of 751.20 feet and an arc length of 225.79 feet, being subtended by a chord of South 19 degrees 48 minutes 20 seconds West for a distance of 224.94 feet to an Iron Pin & Cap #3499 set 35' west of centerline and being the southeast corner of the property herein described;

THENCE South 86 degrees 36 minutes 47 seconds West for a distance of 590.83 feet leaving said roadway and along the north boundary of the Terry & Sandra Leonard property (D.B. 385, Pg. 69, D.B. 224, Pg. 442 - see 1984 survey by D.O. Sullivan) to an Existing #4 Rebar Iron Pin found and being the southwest corner of the property herein described;

THENCE North 04 degrees 00 minutes 22 seconds East for a distance of 1336.85 feet along the east boundary of the William H. Green, Jr. property (D.B. 377, Pg. 760) to an Iron Pin & Cap #3499 set and being the northwest corner of the property herein described;

THENCE North 85 degrees 53 minutes 42 seconds East for a distance of 758.27 feet along the south boundary of the Ricky Thurston property (D.B. 299, Pg. 9 - Tract No. I & II) to the point of beginning.

Being the real estate conveyed to Purchase Area Regional Industrial Authority, Inc. by Deed Book 425, Page 540 of the Graves County, Kentucky Clerk's Office.

Parcel 35:

Tax ID No: 084.00.00.061.00
Parcel contains 103.564 acres, more or less

A 103.564 acre tract of land as surveyed by Geotech Engineering & Testing, Inc. in April 2005 and being generally located on the east side of Whittemore Road approximately 2000 feet south of Kentucky Highway 849 near the Folsomdale Community of Graves County, Kentucky and being more particularly described as:

Beginning at the southwest corner of the property herein described said corner being an Existing Iron Pin & Cap #1955 found on the east side of said Whittemore Road (35' east of centerline) and approximately 2730 feet south of the centerline of said Highway 849 as measured along the centerline of Whittemore Road, said iron pin & cap also being at the northwest corner of the Terry & Sandra Leonard property (D.B. 385, Pg. 69);

Thence along the east right-of-way of Whittemore Road with the following calls:

THENCE along a curve to the right having a radius of 681.20 feet and an arc length of 217.48 feet, being subtended by a chord of North 21 degrees 52 minutes 41 seconds East for a distance of 216.56 feet to an Existing Iron Pin & Cap #1955 found 35' east of the centerline;

THENCE North 31 degrees 01 minutes 47 seconds East for a distance of 110.83 feet to an Existing Iron Pin & Cap #1955 found 35' east of the centerline;

THENCE along a curve to the left having a radius of 751.20 feet and an arc length of 393.28 feet, being subtended by a chord of North 16 degrees 01 minutes 05 seconds East for a distance of 388.80 feet to an Existing Iron Pin & Cap #1955 found 35' east of the centerline;

THENCE North 01 degrees 04 minutes 50 seconds East for a distance of 151.58 feet to an Existing Iron Pin & Cap #1955 found 35' east of the centerline;

THENCE North 89 degrees 51 minutes 20 seconds West for a distance of 5.00 feet to an Existing Iron Pin & Cap #1955 found 30' east of the centerline;

THENCE North 00 degrees 52 minutes 52 seconds East for a distance of 29.95 feet to an Existing Iron Pin & Cap #1955 found 30' east of the centerline;

THENCE South 89 degrees 15 minutes 33 seconds East for a distance of 5.09 feet to an Existing iron Pin & Cap #1955 found 35' east of the centerline;

THENCE North 01 degrees 01 minutes 53 seconds East for a distance of 501.59 feet to an Existing Iron Pin & Cap #1955 found 35' east of the centerline, said iron pin & cap being at the northwest corner of the property herein described and the southwest corner of the David & Lunelle Leonard property (D.B. 384, Pg. 696);

THENCE North 87 degrees 03 minutes 27 seconds East for a distance of 1638.38 feet along the south boundary of the said Leonard property to an Existing #4 Rebar Iron Pin found;

THENCE North 86 degrees 43 minutes 24 seconds East for a distance of 1048.06 feet along the south boundary of the James Milton & Betty Davenport property (D.B. 379, Pg. 282) to an Existing Iron Pin & Cap #1955 found and being the northeast corner of the property herein described;

THENCE South 02 degrees 50 minutes 37 seconds West for a distance of 2075.13 feet along the west boundary of the Kevin Davenport property (D.B. 386, Pg. 149) and the Guthrie Cecil property (D.B. 172, Pg. 27) passing an Existing Iron Pin & Cap #1955 witness corner at 77.71 feet and continuing to an Existing Iron Pin & Cap #1955 found;

THENCE South 86 degrees 34 minutes 58 seconds West for a distance of 1221.10 feet along a north boundary of the said Cecil property to an Existing Iron Pin & Cap #1955 found in the east boundary of the said Terry & Sandra Leonard property;

THENCE North 01 degrees 35 minutes 32 seconds East for a distance of 746.69 feet along the east boundary of the said Terry & Sandra Leonard property to an Existing Iron Pin & Cap #1955 found;

THENCE South 86 degrees 35 minutes 25 seconds West for a distance of 1641.90 feet along the north boundary of the said Terry & Sandra Leonard property to the point of beginning.

Being the real estate conveyed to Purchase Area Regional Industrial Authority, Inc. by Deed Book 433, Page 850 of the Graves County, Kentucky Clerk's Office.

Parcel 36:

Tax ID No: 084.00.00.090.00
Parcel contains 25.308 acres, more or less

A 34.012 acre tract of land as surveyed by Geotech Engineering & Testing, Inc. in April 2005 and being generally located on the north side of Old Plant Road, approximately 794.5 feet east of Kentucky Highway 1241 near the Folsomdale Community of Graves County, Kentucky and being more particularly described as:

Beginning at the southwest corner of the property herein described said corner being an Existing 1/2" Rebar Iron Pin found 15 feet north of the centerline of Old Plant Road and approximately 794.5 feet east of said Kentucky Highway 1241 (as measured along the centerline of Old Plant Road) said existing 1/2 rebar iron pin also being the southeast corner of the Billie Jo Allcock property (D.B. 346, Pg. 106);

THENCE North 03 degrees 39 minutes 02 seconds East for a distance of 629.55 feet along the east boundary of said Allcock property to an Existing Iron Pin & Cap #2444 witness corner found in the east boundary of the Kenneth Wilson property (D.B. 362, Pg. 361 - see 1996 survey by Holmes);

THENCE North 03 degrees 08 minutes 26 seconds East for a distance of 823.91 feet continuing along the east boundary of said Wilson to an Existing Iron Pin & Cap #2444 found and being the northwest corner of the property herein described and a corner in the south boundary of the Priscilla & Kenneth Wilson property (D.B. 377, Pg. 520 - see 1998 survey by Holmes);

THENCE North 86 degrees 40 minutes 56 seconds East for a distance of 868.04 feet along the south boundary of said Wilson property to an Existing Iron Pin & Cap #2444 found (southeast corner of Wilson);

THENCE North 86 degrees 40 minutes 56 seconds East for a distance of 445.81 feet along the south boundary of the William H. Green, Jr. property (D.B. 377, Pg. 760) to an Existing Iron Pin & Cap #1606 found at the northwest corner of the Terry & Sandra Leonard property (D.B. 385, Pg. 69, D.B. 224, Pg. 442 - see 1984 survey by D.O. Sullivan) said existing iron pin & cap also being the northeast corner of the property herein described;

THENCE South 02 degrees 15 minutes 56 seconds West for a distance of 512.34 feet along the west boundary of said Leonard property to an Existing Iron Pin & Cap #1933 found at the northeast corner of the Chester & Winnetta Chapman property (D.B. 324, Pg. 371 - see Nov. 2001 survey by Art Travis);

THENCE South 47 degrees 17 minutes 42 seconds West for a distance of 712.16 feet along the north boundary of said Chapman property to an Existing Iron Pin & Cap #1933 found;

THENCE South 02 degrees 02 minutes 02 seconds West for a distance of 23.03 feet continuing with the north boundary of said Chapman to an Existing 1/2" Rebar Iron Pin found;

THENCE South 44 degrees 11 minutes 14 seconds West for a distance of 319.02 feet continuing with the north boundary of said Chapman to an Existing Iron Pin & Cap #1933 found;

THENCE South 02 degrees 13 minutes 32 seconds West for a distance of 245.92 feet along the west boundary of said Chapman to an Existing Iron Pin & Cap #1933 found on the north side of Old Plant Road (15 feet north of centerline);

THENCE South 86 degrees 48 minutes 59 seconds West for a distance of 621.52 feet along the north side of Old Plant Road to the point of beginning.

EXCEPT

A 8.704 acre tract of land as surveyed by Geotech Engineering & Testing, Inc. in April 2008, being a northwesterly portion the 34.012 acre parcel acquired by Purchase Area Regional Industrial Park from W.H. Green, Jr. in Deed Book 434, Page 816, this said northwest portion being a newly created tract and that portion of the Green property located northwest of a creek and being identified as Tract G-2 on the said April 2008 survey, said Tract 2-G being generally located 800 feet north of Old Plant Road and approximately 1400 feet east of Kentucky Highway 1241 near the Folsomdale Community of Graves County, Kentucky and being more particularly described as:

Beginning at the southern most corner of the herein described Tract 2-G said corner being an Existing Iron Pin & Cap #2444 witness corner found in the east boundary of the Kenneth Wilson property (D.B. 362, Pg. 361 - see 1996 survey by Holmes), said iron pin & cap being on the northwest side of a creek and bears North 03 degrees 39 minutes 02 seconds East for a distance of 629.55 feet from an existing 1/2" rebar iron pin found at the southwest corner of the Purchase Area Regional Industrial Park property (William H. Green, Jr. tract - see D.B. 434, Pg. 816)

THENCE North 03 degrees 08 minutes 26 seconds East for a distance of 823.91 feet continuing along the east boundary of said Wilson to an Existing Iron Pin & Cap #2444 found and being the northwest corner of the property herein described and a corner in the south boundary of the Priscilla & Kenneth Wilson property (D.B. 377, Pg. 520 - see 1998 survey by Holmes);

THENCE North 86 degrees 40 minutes 56 seconds East for a distance of 750.95 feet along the south boundary of said Wilson property to a point in a ditch said point being

117.09 feet west of Existing Iron Pin & Cap #2444 found at the southeast corner of the said Wilson property and a corner of the Purchase Area Regional Industrial Park property (D.B. 434, Pg. 816);

Thence in a southwesterly direction along the southeast boundary of the herein described Tract 2-G said line being northwest of the northwest creek bank with the following calls:

THENCE South 20 degrees 47 minutes 12 seconds West for a distance of 84.83 feet passing an Iron Pin & Cap 43499 witness corner set at 4.42 feet and continuing to an Iron Pin & Cap #3499 set;

THENCE South 19 degrees 50 minutes 16 seconds West for a distance of 108.69 feet to an Iron Pin & Cap #3499 set;

THENCE South 33 degrees 00 minutes 59 seconds West for a distance of 108.31 feet to an Iron Pin & Cap #3499 set;

THENCE South 40 degrees 35 minutes 07 seconds West for a distance of 234.00 feet to an Iron Pin & Cap 43499 set;

THENCE South 48 degrees 56 minutes 22 seconds West for a distance of 267.74 feet to an Iron Pin & Cap #3499 set;

THENCE South 50 degrees 44 minutes 32 seconds West for a distance of 172.97 feet to an Iron Pin & Cap #3499 set;

THENCE South 66 degrees 38 minutes 54 seconds West for a distance of 122.86 feet to an Iron Pin & Cap #3499 set;

THENCE South 39 degrees 38 minutes 50 seconds West for a distance of 106.54 feet to the point of beginning and containing 8.704 acres.

Being the real estate conveyed to Purchase Area Regional Industrial Authority, Inc. by Deed Book 434, Page 816 of the Graves County, Kentucky Clerk's Office.

Parcel 37:

Tax ID No: 084.00.00.092.00
Parcel contains 92.641 acres, more or less

A 55.529 acre tract of land as surveyed by Geotech Engineering & Testing, Inc. in April 2005 and being generally located on the east side of Whittemore Road, the north side of an existing gravel roadway (County Road per D.B. 393, Pg. 164), and approximately 2730 feet south of Kentucky Highway 849 in the Folsomdale Community of Graves County, Kentucky and with said 55.529 acres being more particularly described as:

Beginning at the northwest corner of the property herein described said corner being an Existing Iron Pin & Cap #1955 found on the east side of said Whittemore Road (35' east of centerline) and approximately 2730 feet south of the centerline of Kentucky Highway 849 as measured along the centerline of Whittemore Road, said iron pin & cap also being at the southwest corner of the Robert Nall, et al property (D.B. 99, Pg. 37, D.B. 104, Pg. 531, D.B. 124, Pg. 376);

THENCE North 86 degrees 35 minutes 25 seconds East for a distance of 1641.90 feet along the south boundary of the said Nall property to an Existing Iron Pin & Cap #1955;

THENCE South 01 degrees 35 minutes 32 seconds West for a distance of 1487.36 feet along the west boundary of said Nall and the west boundary of the Guthrie Cecil property (D.B. 172, Pg. 27) passing an existing iron pin & cap #1955 at 746.69 feet and continuing to a point located 16.50' north of an existing iron pin & cap #1955 and 50.54' southeast of an existing iron pin & cap #1606, said point being the southeast corner of the property herein described;

THENCE South 86 degrees 01 minutes 26 seconds West for a distance of 258.72 feet to an Iron Pin & Cap #3499 set;

THENCE South 01 degrees 35 minutes 32 seconds West for a distance of 16.50 feet to an Iron Pin & Cap #3499 set in the north boundary of the William Keith Marshall, et al property (D.B. 391, Pg. 8);

THENCE South 86 degrees 01 minutes 26 seconds West for a distance of 272.86 feet along the north boundary of the said Marshall property to an Iron Pin & Cap #3499 set on the east side of an existing gravel roadway (referred to as "county road" & or East Plat Road - assumed R.O.W. to be 30')

Thence along the east and north side of said existing gravel roadway With the following calls:

THENCE North 23 degrees 58 minutes 05 seconds West for a distance of 39.45 feet to an Iron Pin & Cap #3499 set 15 feet from centerline;

THENCE North 70 degrees 27 minutes 39 seconds West for a distance of 58.66 feet to an Existing #5 Rebar Iron Pin found 15 feet from centerline;

THENCE South 86 degrees 36 minutes 30 seconds West for a distance of 930.35 feet to an Iron Pin & Cap #3499 set 15 feet from centerline;

THENCE South 79 degrees 45 minutes 28 seconds West for a distance of 84.98 feet to an Iron Pin & Cap #3499 set 15 feet north of the centerline of said gravel roadway and on the east side of Whittemore
Road;

THENCE North 08 degrees 45 minutes 03 seconds West for a distance of 265.96 feet along the east side of Whittemore Road to an Iron Pin & Cap #3499 set 35 feet east of the centerline;

THENCE North 02 degrees 12 minutes 02 seconds East for a distance of 1085.80 feet continuing along the east side of Whittemore Road to an Iron Pin & Cap #3499 set 35 feet east of the centerline;

THENCE along a curve to the right having a radius of 681.20 feet and an arc length of 110.33 feet, being subtended by a chord of North 08 degrees 05 minutes 31 seconds East for a distance of 110.21 feet continuing along the east side of Whittemore Road to the point of beginning.

The above described property is subject to right-of-way and any rights of access by others for use of the existing roadway along the south and east boundaries and to any other covenants, easements, and restrictions of record.

TRACT III:

A 37.112 acre tract of land as surveyed by Geotech Engineering & Testing, Inc. in April 2005 and being generally located on the west side of Whittemore Road, the north side of Old Plant Road, and approximately 2730 feet south of the centerline of Kentucky Highway 849 near the Folsomdale Community of Graves County, Kentucky and with said 37.112 acres being more particularly described as:

Beginning at the northeast corner of the property herein described said corner being an Iron Pin & Cap #3499 set in the west right-of-way of Whittemore Road (35' west of centerline) approximately 2730 feet south of the centerline of Ky. Highway 849 as measured along centerline of said Whittemore road, said iron pin and cap also being at the southeast corner of the Terry & Sandra Leonard property (D.B. 385, Pg. 63);

Thence along the west right-of-way of Whittemore Road with the following calls:

THENCE along a curve to the left having a radius of 751.20 feet and an arc length of 101.52 feet, being subtended by a chord of South 07 degrees 19 minutes 24 seconds West for a distance of 101.44 feet to an Iron Pin & Cap #3499 set 35' west of centerline;

THENCE South 02 degrees 12 minutes 26 seconds West for a distance of 78.76 feet to an Iron Pin & Cap #3499 set 35' west of centerline;

THENCE North 87 degrees 47 minutes 56 seconds West for a distance of 5.00 feet to an Iron Pin & Cap #3499 set 40' west of centerline;

THENCE South 02 degrees 12 minutes 04 seconds West for a distance of 250.00 feet to an Iron Pin & Cap #3499 set 40' west of centerline;

THENCE South 87 degrees 47 minutes 56 seconds East for a distance of 5.00 feet to an Iron Pin & Cap #3499 set 35' west of centerline;

THENCE South 02 degrees 12 minutes 04 seconds West for a distance of 70.00 feet to an Iron Pin & Cap #3499 set 35' west of centerline;

THENCE South 87 degrees 47 minutes 56 seconds East for a distance of 5.00 feet to an Iron Pin & Cap #3499 set 30' west of centerline;

THENCE South 02 degrees 12 minutes 04 seconds West for a distance of 40.00 feet to an Iron Pin & Cap #3499 set 30' west of centerline;

THENCE North 87 degrees 47 minutes 56 seconds West for a distance of 5.00 feet to an Iron Pin & Cap #3499 set 35' west of centerline;

THENCE South 02 degrees 12 minutes 04 seconds West for a distance of 647.84 feet to an Iron Pin & Cap #3499 set 35' west of centerline;

THENCE along a curve to the left having a radius of 751.20 feet and an arc length of 274.00 feet, being subtended by a chord of South 07 degrees 39 minutes 13 seconds East for a distance of 272.48 feet to an Iron Pin & Cap #3499 set 35' west of centerline Whittemore Road and 15' north of centerline Old Plant Road;

THENCE along the north right-of-way of Old Plant Road with the following calls:

THENCE South 88 degrees 06 minutes 59 seconds West for a distance of 362.03 feet to an Iron Pin & Cap #3499 set 15' north centerline;

THENCE South 86 degrees 36 minutes 30 seconds West for a distance of 800.74 feet to an Existing Iron Pin & Cap #1606 found 15' north of centerline and being the southwest corner of the property herein described and the southeast corner of the Chester & Winnetta Chapman property (D.B. 324, Pg. 371);

THENCE North 02 degrees 15 minutes 56 seconds East for a distance of 1455.36 feet leaving Old Plant Road along the east boundary of said Chapman, passing an Existing Iron Pin & Cap #1933 at 943.01 feet and continuing along the east boundary of the W.H. & Mildred Green property (D.B. 198, Pg. 7 - see Nov. 2001 survey by Art Travis) to an Existing Iron Pin & Cap #1606 found in the south boundary of William H. Green, Jr. property (D.B. 377, Pg. 760) and being the northwest corner of the property herein described;

THENCE North 87 degrees 08 minutes 14 seconds East for a distance of 532.89 feet along south boundary of Green to an Existing #4 Rebar Iron Pin found at the southwest corner of the said Leonard property (D.B. 385, Pg. 63);

THENCE North 86 degrees 36 minutes 47 seconds East for a distance of 590.83 feet along south boundary of said Leonard to the point of beginning.

Being the real estate conveyed to Purchase Area Regional Industrial Authority, Inc. by Deed Book 425, Page 540 of the Graves County, Kentucky Clerk's Office.

Parcel 38:

Tax ID No: 084.00.00.089.00
Parcel contains 53.0 acres, more or less

Parcel 39:

Tax ID No: 084.00.00.088.00
Parcel contains 5.0 acres, more or less

Parcel 40:

Tax ID No: 084.00.00.087.00
Parcel contains 5.0 acres, more or less

Parcel 38, 39 and 40 Common Legal Description

A 59.086 acre tract of land as surveyed by Geotech Engineering & Testing, Inc. in April 2005 and being generally located on the east side of Kentucky Highway 1241 between Old Plant Road and McGee Road near the Folsomdale Community in Graves County, Kentucky and being more particularly described as:

Beginning at the northwest corner of the property herein described said corner being an Iron Pin & Cap #3499 set in the west right-of-way of Kentucky Highway 1241 (30' west of centerline) and the southeast right-of-way of Old Plant Road (15' southeast of centerline) said iron pin & cap bears South 54 degrees 29 minutes 51 seconds East a distance of 53.86 feet from the southeast corner of a concrete bridge along Kentucky Highway 1241;

Thence along the north right-of-way of Old Plant Road with the following calls:

THENCE North 41 degrees 29 minutes 00 seconds East for a distance of 26.66 feet to an iron Pin & Cap #3499 set 15' from centerline;

THENCE along a curve to the right having a radius of 131.71 feet and an arc length of 111.63 feet, being subtended by a chord of North 62 degrees 45 minutes 19 seconds East for a distance of 108.32 feet to an Iron Pin & Cap #3499 set 15' from centerline;

THENCE North 87 degrees 18 minutes 52 seconds East for a distance of 367.13 feet to an Iron Pin & Cap #3499 set 15' from centerline;

THENCE North 86 degrees 48 minutes 59 seconds East for a distance of 874.17 feet to an Iron Pin & Cap #3499 set 15' from centerline;

THENCE North 86 degrees 57 minutes 17 seconds East for a distance of 719.85 feet to an Iron Pin & Cap #3499 set 15' from centerline;

THENCE North 86 degrees 36 minutes 30 seconds East for a distance of 800.83 feet to an Iron Pin & Cap #3499 set 15' from centerline and being the northeast corner of the property herein described and the northwest corner of the William & Barbara Stephenson property (D.B. 314, Pg. 213);

THENCE South 07 degrees 08 minutes 05 seconds West for a distance of 734.54 feet leaving Old Plant Road and along west boundary of said Stephenson to a 48" Tree fence corner;

THENCE South 12 degrees 41 minutes 57 seconds East for a distance of 179.21 feet continuing along west boundary of said Stephenson to an Iron Pin & Cap #3499 set in the north right-of-way of McGee Road (35' north of centerline) and being the southeast corner of the property herein described;

THENCE South 81 degrees 04 minutes 45 seconds West for a distance of 2111.62 feet along the north right-of-way of McGee Road to an Iron Pin & Cap #3499 set 35' north of centerline;

THENCE North 08 degrees 55 minutes 15 seconds West for a distance of 15.00 feet to an Iron Pin & Cap #3499 set 50' north of centerline;

THENCE South 81 degrees 04 minutes 45 seconds West for a distance of 121.40 feet continuing along north right-of-way of McGee Road to an Iron Pin & Cap #3499 set 50' north of centerline and being in the northeast right-of-way of Kentucky Highway 1241 (30' northeast of centerline);

THENCE along a curve to the left having a radius of 1660.54 feet and an arc length of 296.24 feet, being subtended by a chord of North 26 degrees 51 minutes 08 seconds West for a distance of 295.85 feet along northeast right-of-way of said Ky. Hwy. 1241 to an Iron Pin & Cap #3499 set 30' northeast of centerline;

THENCE North 32 degrees 29 minutes 57 seconds West for a distance of 889.57 feet continuing along northeast right-of-way of said Highway 1241 to the point of beginning. Together with and subject to covenants, easements, and restrictions of record.

Being the real estate conveyed to Purchase Area Regional Industrial Authority, Inc. by Deed Book 434, Page 62 of the Graves County, Kentucky Clerk's Office.

Parcel 41:

Tax ID No: 084.00.00.065.00
Parcel contains 23.939 acres, more or less

Being 23.939 acres of real estate located on the east side of Whittemore Road and at the southeast corner of the intersection of Whittemore Road and Old Plant Road and being all of the real estate lying east of Whittemore Road, south of "County Road", west of "East Plant Road" and north of a ditch near the Folsolmdale Community of Graves County, Kentucky, and with said 23.939 acres being more particularly described as follows:

Beginning at the northwest corner of the property herein described said corner being an Iron Pin & Cap #3499 set in the east right-of-way of Whittemore Road (35' east of centerline) and 15 feet south of the centerline of an Existing Gravel Road "County Road" (see D.B. 323, Pg. 321);

Thence along the south side of said "County Road" and the west side of "East Plant Road" (D.B. 323, Pg. 321) with the following calls:

THENCE North 79 degrees 52 minutes 27 seconds East for a distance of 83.93 feet to an Iron Pin & Cap #3499 set 15' south of centerline;

THENCE North 86 degrees 36 minutes 30 seconds East for a distance of 922.50 feet to an Iron Pin & Cap #3499 set 15' south of centerline;

THENCE South 70 degrees 27 minutes 39 seconds East for a distance of 39.68 feet to an Iron Pin & Cap #3499 set 15' southwest of centerline;

THENCE South 23 degrees 58 minutes 05 seconds East for a distance of 33.42 feet to an Iron Pin & Cap #3499 set 15' southwest of centerline;

THENCE South 12 degrees 49 minutes 29 seconds East for a distance of 98.18 feet to an Iron Pin & Cap #3499 set 15' west of centerline;

THENCE South 11 degrees 15 minutes ____ seconds East for a distance of 125.00 feet to an Iron Pin & Cap #3499 set 15' west of centerline;

THENCE South 01 degrees 50 minutes 24 seconds East for a distance of 132.25 feet to an Iron Pin & Cap #3499 set 15' west of centerline;

THENCE South 02 degrees 47 minutes 46 seconds West for a distance of 800.00 feet passing an Iron Pin & Cap #3499 witness corner set at 770 feet and continuing to a point in the centerline of a ditch and being 15' west of the centerline of "East Plant Road";

THENCE South 87 degrees 23 minutes 02 seconds West for a distance of 816.75 feet along the centerline of a ditch to a point in the east right-of-way line of Whittemore Road (20' east of centerline) and being 30 feet south of an Iron Pin & Cap #3499 witness corner set;

THENCE along the east right-of-way of Whittemore Road with the following calls:

THENCE North 02 degrees 37 minutes 45 seconds East for a distance of 273.94 feet passing said Iron Pin & Cap #3499 witness corner at 30.00 feet and continuing to an Iron Pin & Cap #3499 set 20' west of centerline;

THENCE North 81 degrees 04 minutes 45 seconds East for a distance of 10.21 feet to an Iron Pin & Cap #3499 set 35' west of centerline;

THENCE North 02 degrees 37 minutes 45 seconds East for a distance of 159.67 feet to an Iron Pin & Cap #3499 set 35' west of centerline;

THENCE along a curve to the left having a radius of 746.20 feet and an arc length of 456.24 feet, being subtended by a chord of North 14 degrees 31 minutes 58 seconds West for a distance of 449.17 feet to an Iron Pin & Cap #3499 set 35' east of centerline;

THENCE North 31 degrees 16 minutes 29 seconds West for a distance of 216.68 feet to an Iron Pin & Cap #3499 set 35' east of centerline;

THENCE along a curve to the right having a radius of 686.20 feet and an arc length of 119.97 feet, being subtended by a chord of North 27 degrees 11 minutes 45 seconds West for a distance of 119.82 feet to the point of beginning and containing 23.939 acres, more or less.

Being the real estate conveyed to Purchase Area Regional Industrial Authority, Inc. by Deed Book 424, Page 823 of the Graves County, Kentucky Clerk's Office.

Parcel 42:

Tax ID No: 084.00.00.067.02
Parcel contains 0.95 acres, more or less

Parcel 43:

Tax ID No: 084.00.00.069.00
Parcel contains 74.0 acres, more or less

Parcel 42 and 43 Common Legal Description

A 73.799 acre tract of land as surveyed by Geotech Engineering & Testing, Inc. in April 2005 and being generally located on the north side of Olden Road and west of Whittemore Road near the Folsomdale Community of Graves County, Kentucky and being more particularly described as:

Beginning at the southwest corner of the property herein described said corner being an Iron Pin & Cap #3499 set in the north right-of-way of Olden Road (30' north of centerline) and approximately 1342 feet west of the centerline of Whittemore Road said iron pin & cap also being at the southeast corner of the Gerald L. & Nancy M. Holtz property (D.B. 392, Pg. 694);

THENCE North 02 degrees 39 minutes 58 seconds West for a distance of 742.23 feet along the east boundary of said Holtz and the east boundary of the Jerry W. & Sandra L. Merrell property (D.B. 385, Pg. 814 - see Jan. 2000 survey by Dennis Looper) passing an Existing 1/2" Rebar Iron Pin at 179.12 feet and continuing to an Existing Iron Pin & Cap #973 found;

THENCE North 89 degrees 26 minutes 58 seconds East for a distance of 183.63 feet along a south boundary of said Merrell to an Existing Iron Pin & Cap #3437 found;

THENCE North 02 degrees 53 minutes 25 seconds East for a distance of 307.18 feet along an east boundary of said Merrell to an Existing Iron Pin & Cap #3437 found;

THENCE North 85 degrees 26 minutes 14 seconds West for a distance of 531.73 feet along the north boundary of said Merrell to an Existing 3/8" Rebar Iron Pin found and being in the east boundary of the William Byerley property (D.B. 300, Pg. 645);

THENCE North 01 degrees 52 minutes 52 seconds East for a distance of 1581.37 feet along the east boundary of said Byerley to a point located 2.07 feet south of an Existing #4 Rebar Iron Pin found said point being 35 feet south of the centerline of McGee Road;

THENCE North 81 degrees 04 minutes 45 seconds East for a distance of 28.99 feet along the south right-of-way of said McGee Road to a point located 35 feet south of the centerline and bears North 85 degrees 08 minutes 24 seconds East a distance of 28.67 feet from said existing #4 rebar iron pin found;

THENCE North 85 degrees 08 minutes 24 seconds East for a distance of 1337.97 feet leaving said right-of-way of McGee Road and along the north boundary of the property herein described to an Iron Pin & Cap #3499 set approximately 133 feet south of the centerline of McGee Road;

THENCE South 02 degrees 32 minutes 04 seconds West for a distance of 2789.60 feet along the west boundary of the Viola Volunteer Fire Department property (D.B. 394, Pg. 684) and the west boundary of the William Kieth Marshall, et al property (D.B. 391, Pg. 8 - Tract 2 Parcel A) to an Iron Pin & Cap #3499 set in the north right-of-way of Olden Road (30' north of centerline);

THENCE South 89 degrees 45 minutes 58 seconds West for a distance of 924.90 feet along the north right-of-way of said Olden Road to the point of beginning.

Being the real estate conveyed to Purchase Area Regional Industrial Authority, Inc. by Deed Book 424, Page 823 of the Graves County, Kentucky Clerk's Office.

Parcel 44:

Tax ID No: 084.00.00.063.00
Parcel contains 46.0 acres, more or less

Parcel 45:

Tax ID No: 084.00.00.012.00
Parcel contains 34.0 acres, more or less

Parcel 46:

Tax ID No: 084.00.00.011.00
Parcel contains 8.0 acres, more or less

Parcel 47:

Tax ID No: 084.00.00.005.00
Parcel contains 29.0 acres, more or less

Parcel 48:

Tax ID No: 084.00.00.064.00
Parcel contains 160.0 acres, more or less

Parcel 49:

Tax ID No: 084.00.00.007.00
Parcel contains 109.99 acres, more or less

Parcel 50:

Tax ID No: 084.00.00.010.00
Parcel contains 4.0 acres, more or less

Parcel 51:

Tax ID No: 084.00.00.008.00
Parcel contains 12.0 acres, more or less

Parcel 52:

Tax ID No: 084.00.00.004.00
Parcel contains 5.0 acres, more or less

Parcel 53:

Tax ID No: 084.00.00.003.00
Parcel contains 3.0 acres, more or less

Parcel 44, 45, 46, 47, 48, 49, 50, 51, 52 and 53 Common Legal Description

A 481.938 acre tract (before exceptions) of land as surveyed by Geotech Engineering & Testing, Inc. in April 2005 and being generally located east of Whittemore Road, west of Illinois Gulf Central Railroad, and approximately 1 mile south of Kentucky Highway 849 near the Folsomdale Community of Graves County, Kentucky and being more particularly described as:

Beginning at the southwest corner of the property herein described said corner being an Iron Pin & Cap #3499 set on the east side of Whittemore Road (20' east of the centerline) at said roads intersection with Olden Road said iron pin & cap bears South 76 degrees 04 minutes 54 seconds West a distance of 48.09 feet from a fence corner post and is at the northwest corner of the Johnny & Patsy Dawson property (D.B. 224, Pg. 361);

Thence along the east side of Whittemore Road with the following calls:

THENCE along a curve to the left having a radius of 341.43 feet and an arc length of 219.42 feet, being subtended by a chord of North 19 degrees 16 minutes 16 seconds West for a distance of 215.67 feet to an Iron Pin & Cap #3499 set 20' from centerline;

THENCE North 33 degrees 03 minutes 18 seconds West for a distance of 212.59 feet to an Iron Pin & Cap #3499 set 20' from centerline;

THENCE along a curve to the right having a radius of 284.50 feet and an arc length of 177.19 feet, being subtended by a chord of North 15 degrees 12 minutes 46 seconds West for a distance of 174.34 feet to an Iron Pin & Cap #3499 set 20' from centerline;

THENCE North 02 degrees 37 minutes 45 seconds East for a distance of 2087.46 feet to a point 20' from centerline and in the centerline of a ditch said point bears South 02 degrees 37 minutes 45 seconds West a distance of 30.00 feet from an Iron Pin & Cap #3499 Witness Corner set;

THENCE North 87 degrees 23 minutes 02 seconds East for a distance of 816.75 feet along the said ditch and the south boundary of the Garry B. Wilson & Ronnie E. Wilson property (D.B. 393, Pg. 164) to a point on the west side of an old roadway referred to as East Plant Road (deed for right-of-way or any documents indicating that this a public roadway have not been found) said point bears South 02 degrees 47 minutes 46 seconds West a distance of 30.00 feet from an Iron Pin & Cap #3499 Witness Corner set;

THENCE North 02 degrees 47 minutes 46 seconds East for a distance of 800.00 feet along the west side of old East Plant Road and the east side of said Wilson passing said witness corner at 30 feet and continuing to an Iron Pin & Cap #3499 set;

THENCE North 01 degrees 50 minutes 24 seconds West for a distance of 132.25 feet continuing along west side of old East Plant Road and the east side of said Wilson to an Iron Pin & Cap #3499 set;

THENCE North 11 degrees 15 minutes 10 seconds West for a distance of 125.00 feet continuing along the west side of old East Plant Road and the east side of said Wilson to an Iron Pin & Cap #3499 set;

THENCE North 12 degrees 49 minutes 29 seconds West for a distance of 98.18 feet continuing along the west side of old East Plant Road and the east side of said Wilson property to an Iron Pin & Cap #3499 near the east end of an existing gravel road
(referred to in D.B. 393, Pg. 164 as "county road");

THENCE North 53 degrees 09 minutes 48 seconds East for a distance of 30.77 feet crossing an existing gravel roadway to an Iron Pin & Cap #3499 set in the south boundary of the Terry & Sandra Leonard property (D.B. 385, Pg. 69, D.B. 224, Pg. 442);

THENCE North 86 degrees 01 minutes 26 seconds East for a distance of 1592.51 feet along the south boundary of said Leonard property and the Guthrie Cecil property (D.B. 172, Pg. 27) passing an Iron Pin & Cap #3499 at 272.86 feet and an Iron Pin & Cap #1955 at 531.58 feet and an Iron Pin & Cap #1955 Witness Corner at 1,507.51 feet and continuing to a point in the centerline of a ditch;

Thence along the centerline of said ditch and the south boundary of said Cecil property with the following calls:

THENCE North 44 degrees 42 minutes 43 seconds East for a distance of 94.32 feet to a point in centerline of ditch;

THENCE North 52 degrees 10 minutes 56 seconds East for a distance of 304.39 feet to a point in centerline of ditch;

THENCE North 49 degrees 35 minutes 33 seconds East for a distance of 206.64 feet to a point in centerline of ditch;

THENCE North 48 degrees 58 minutes 49 seconds East for a distance of 218.47 feet to a point in centerline of ditch;

THENCE North 58 degrees 12 minutes 04 seconds East for a distance of 90.19 feet to a point in centerline of ditch;

THENCE North 44 degrees 28 minutes 34 seconds East for a distance of 177.27 feet to a point in centerline of ditch;

THENCE North 50 degrees 59 minutes 37 seconds East for a distance of 132.59 feet to a point in centerline of ditch;

THENCE North 48 degrees 19 minutes 45 seconds East for a distance of 155.76 feet to a point in centerline of ditch;

THENCE North 49 degrees 34 minutes 09 seconds East for a distance of 55.05 feet to a point in the centerline intersection of two ditches and being the southeast corner of said Cecil property and the southwest corner of the Kevin Davenport property (D.B. 386, Pg. 149) said point also bears North 85 degrees 29 minutes 23 seconds East a distance of 42.91 feet from an Existing Iron Pin & Cap #1955 witness corner found;

Thence containing along the said ditch and the south boundary of said Davenport with the following calls:

THENCE North 49 degrees 07 minutes 32 seconds East for a distance of 457.27 feet to a point in centerline of ditch;

THENCE North 68 degrees 18 minutes 02 seconds East for a distance of 99.62 feet to a point in centerline of ditch;

THENCE North 74 degrees 22 minutes 36 seconds East for a distance of 39.50 feet to a point in centerline of ditch;

THENCE South 88 degrees 58 minutes 16 seconds East for a distance of 120.69 feet to a point in centerline of ditch;

THENCE South 82 degrees 40 minutes 20 seconds East for a distance of 147.85 feet to a point in centerline of ditch and being 41.49 feet south of an existing steel fence post said point being at the southwest corner of the Carl Torian property (D.B. 386, Pg. 144);

Thence continuing along said ditch and the south boundary of said Torian with the following calls:

THENCE South 82 degrees 40 minutes 20 seconds East for a distance of 76.16 feet to a point in centerline of ditch;

THENCE South 84 degrees 40 minutes 53 seconds East for a distance of 558.01 feet to a point in centerline of ditch;

THENCE South 84 degrees 59 minutes 43 seconds East for a distance of 165.59 feet to a point in centerline of ditch;

THENCE South 86 degrees 38 minutes 47 seconds East for a distance of 147.30 feet to a point in centerline of ditch;

THENCE North 82 degrees 29 minutes 14 seconds East for a distance of 34.20 feet to a point in centerline of ditch;

THENCE South 75 degrees 51 minutes 54 seconds East for a distance of 182.99 feet to a point in centerline of ditch;

THENCE South 75 degrees 31 minutes 02 seconds East for a distance of 75.27 feet to a point in centerline of ditch and being
on the west side of the Illinois Central Gulf Railroad and the northeast corner of the property herein described said point bears North 78 degrees 07 minutes 51 seconds West for a distance of

50.00 feet from an Iron Pin & Cap #3499 Witness corner set in centerline of railroad;

THENCE South 11 degrees 50 minutes 49 seconds West for a distance of 2805.00 feet along the west side of said railroad to a point;

THENCE South 11 degrees 50 minutes 49 seconds West for a distance of 3151.50 feet continuing along the west side of said railroad to a point that bears South 80 degrees 59 minutes 15 seconds West for a distance of 53.51 feet from a "Mag" Nail set in centerline of railroad said point being the southeast corner of the property herein described;

THENCE North 58 degrees 35 minutes 29 seconds West for a distance of 481.56 feet along the centerline of a creek and the north boundary of the Kenneth Levi & Anita Rose Mathis property (D.B. 254, Pg. 570) to a point;

THENCE North 07 degrees 39 minutes 11 seconds West for a distance of 189.75 feet continuing along the centerline of the creek and the Mathis boundary to a point;

THENCE North 53 degrees 09 minutes 11 seconds West for a distance of 297.00 feet continuing along the centerline of the creek and the Mathis boundary to a point;

THENCE North 02 degrees 50 minutes 49 seconds East for a distance of 84.66 feet continuing with the Mathis boundary to an Iron Pin & Cap #3499 set 26.7 feet west of a "Cross Tie" fence post;

THENCE North 82 degrees 20 minutes 11 seconds West for a distance of 1225.19 feet continuing with the Mathis boundary to an Iron Pin & Cap #3499 set;

THENCE South 87 degrees 32 minutes 04 seconds West for a distance of 2238.10 feet along the north boundary of Ethel Stone property (D.B. 390, Pg. 168) and the said Dawson property to the point of beginning.

The above described property is subject to right-of-way for Whittemore Road (R.O.W. deed not found), any rights others may have in "East Plant Road, access easement or agreement that might exist for the Steven & Regenia Terry property (D.B. 358, Pg. 722), and any other covenants, easements, conditions, and restrictions of record.

EXCEPTION 1:

A 10.697 acre tract of land as surveyed by Geotech Engineering & Testing, Inc. in April 2005 and being generally located east of Whittemore Road, west of Illinois Central Gulf Railroad, and approximately 1.2 miles south of Kentucky Highway 849 near the Folsomdale Community of Graves County, Kentucky and being more particularly described as:

Beginning at an Iron Pin & Cap #3499 set on the east side of Whittemore Road (20' east of centerline) at said roads intersection with Olden Road said iron pin & cap bears South 76 degrees 04 minutes 54 seconds West a distance of 48.09 feet from a fence corner post and being at the northwest corner of the Johnny & Patsy Dawson property (D.B. 224, Pg. 361), thence North 87 degrees 32 minutes 04 seconds East a distance of 2238.10 feet to an Iron Pin & Cap #3499 set, thence North 03 degrees 56 minutes 57 seconds East a

distance of 754.48 feet to a point, said point being the southeast corner and the true point of beginning of the property herein described;

THENCE South 89 degrees 56 minutes 30 seconds West for a distance of 1014.75 feet along the south boundary of the property herein described and the William Keith Marshall, et al property (D.B. 391, Pg. 8) to a point;

THENCE North 00 degrees 54 minutes 05 seconds West for a distance of 448.80 feet with the said Marshall boundary to a point and being the northwest corner of the property herein described;

THENCE North 86 degrees 24 minutes 47 seconds East for a distance of 907.48 feet continuing with the Marshall boundary to a point and being a northeast corner of the property herein described;

THENCE South 06 degrees 32 minutes 37 seconds East for a distance of 184.80 feet continuing with said Marshall boundary to a point;

THENCE South 57 degrees 56 minutes 33 seconds East for a distance of 107.25 feet continuing with said Marshall boundary to a point and being a northeast corner of the property herein described;

THENCE South 00 degrees 54 minutes 04 seconds East for a distance of 264.00 feet continuing with said Marshall to the point of beginning.

Access easements or access agreement to the above described property were not found. Together with and subject to covenants, easements, and restrictions of record.

EXCEPTION 2:

The deed to Steven M. Terry and Regenia Terry in Deed Book 358, Page 722, Graves County Court Clerk's Office called for 19.478 acres. However, this property was sold to the Marshalls in Deed Book 391, Page 8. The Terrys and their predecessors in title are claiming the tract that is left by adverse possession. The legal description for the tract that is left is 10 acres, more or less. For additional references regarding Exception 2 and the prior ownership of Exception 2, see Deed Book 54, Page 558 - - Mayfield Creek Drainage District #1 Plat (Plat Book 1, Page 178 – now Plat Cabinet A, Slide 21) Deed Book 123, Page 565 and Deed Book 38, Page 298.

A 10.000 acre tract of land as surveyed by Geotech Engineering & Testing, Inc. in April 2005 and being generally located east of Whittemore Road, west of Illinois Central Gulf Railroad, and approximately 1.2 miles south of Kentucky Highway 849 near the Folsomdale Community of Graves County, Kentucky and being more particularly described as:

Beginning at an Iron Pin & Cap #3499 set on the east side of Whittemore Road (20' east of centerline) at said roads intersection with Olden Road said iron pin & cap bears South 76 degrees 04 minutes 54 seconds West a distance of 48.09 feet from a fence corner post and being at the northwest corner of the Johnny & Patsy Dawson property (D.B. 224, Pg. 361), thence North 87 degrees 32 minutes 04 seconds East a distance of 2238.10 feet to an Iron Pin & Cap #3499 set, thence North 03 degrees 56 minutes 57 seconds East a

distance of 754.48 feet to a point, thence North 00 degrees 54 minutes 04 seconds West a distance of 264.00 feet toa point, thence North 00 degrees 21 minutes 45 seconds West a distance of 287.73 feet to a point said point being the southwest corner and the true point of beginning of the property herein described;

THENCE North 02 degrees 19 minutes 08 seconds East for a distance of 644.62 feet along the William Keith Marshall, et al property (D.B. 391, Pg. 8) to a point and being the northwest corner of the property herein described;

THENCE South 89 degrees 35 minutes 59 seconds East for a distance of 641.10 feet along the said Marshall boundary to a point and being the northeast corner of the property herein described;

THENCE South 01 degrees 50 minutes 49 seconds West for a distance of 709.02 feet continuing along said Marshall boundary to a point and being the southeast corner of the property herein described;

THENCE North 83 degrees 53 minutes 02 seconds West for a distance of 648.00 feet continuing along said Marshall boundary to the point of beginning.

Exceptions 1 and 2 described above are being the same real estate conveyed to Steven M. Terry and wife, Reginia Terry from R.D. Young, a single person, et al, by deed dated November 6, 1995, recorded December 14, 1995 at 2:41 p.m., and of record in Deed Book 358, Page 722, Graves County Court Clerk's Office.

Being the real estate conveyed to Purchase Area Regional Industrial Authority, Inc. by Deed Book 425, Page 812 of the Graves County, Kentucky Clerk's Office.

Parcel 54:

Tax ID No: 084.00.00.009.00
Parcel contains 10.00 acres, more or less

Being a 10.000 acre tract located east of Whittemore Road and west of Illinois Central Gulf Railroad, approximately 1.2 miles south of Kentucky Highway 849 near the Folsomdale Community of Graves County, Kentucky and with said 10.000 acres, more or less, being more particularly described as follows:

Beginning at an Iron Pin & Cap #3499 set on the east side of Whittemore Road (20' east of centerline) at said roads intersection with Olden Road said iron pin & cap bears South 76 degrees 04 minutes 54 seconds West a distance of 48.09 feet from a fence corner post and being at the northwest corner of the Johnny & Patsy Dawson property (D.B. 224, Pg. 361), thence North 87 degrees 32 minutes 04 seconds East a distance of 2238.10 feet to an Iron Pin & Cap #3499 set, thence North 03 degrees 56 minutes 57 seconds East a distance of 754.48 feet to a point, thence North 00 degrees 54 minutes 04 seconds West a distance of 264.00 feet toa point, thence North 00 degrees 21 minutes 45 seconds West a distance of 287.73 feet to a point said point being the southwest corner and the true point of beginning of the property herein described;

THENCE North 02 degrees 19 minutes 08 seconds East for a distance of 644.62 feet along the William Keith Marshall, et al property (D.B. 391, Pg. 8) to a point and being the northwest corner of the property herein described;

THENCE South 89 degrees 35 minutes 59 seconds East for a distance of 641.10 feet along the said Marshall boundary to a point and being the northeast corner of the property herein described;

THENCE South 01 degrees 50 minutes 49 seconds West for a distance of 709.02 feet continuing along said Marshall boundary to a point and being the southeast corner of the property herein described;

THENCE North 83 degrees 53 minutes 02 seconds West for a distance of 648.00 feet continuing along said Marshall boundary to the point of beginning and containing 10.000 acres, more or less.

Being the real estate conveyed to Purchase Area Regional Industrial Authority, Inc. by Deed Book 427, Page 236 of the Graves County, Kentucky Clerk's Office.

Parcel 55:

Tax ID No: 067.00.00.088.01
Parcel contains 28.06 acres, more or less

Being 93.538 acres of real estate located on the east side of Kentucky Highway 1241 approximately 0.6 miles north of the Old Plant Roads intersection with said Kentucky Highway 1241 and being near the Folsomdale Community in Graves County, Kentucky, with the 93.538 acres being more particularly described as:

Beginning at the southwest corner of the property herein described said corner being an Existing Iron Pin & Cap #3437 found in the east right-of-way of said Highway 1241 (30' from centerline) and bears South 19 degrees 10 minutes 39 seconds East a distance of 478.90 feet from an Existing "Mag Nail" found in the centerline of Highway 1241 and the centerline of a "box culvert", said iron pin and cap also being at the northwest corner of the Howard & Christine Monroe property (D.B. 158, Pg. 403, D.B. 226, Pg. 210);

THENCE along a curve to the left having a radius of 1475.87 feet and an arc length of 104.66 feet, being subtended by a chord of North 08 degrees 21 minutes 50 seconds West for a distance of 104.64 feet along the east right-of-way of Kentucky Highway 1241 to an Existing Iron Pin & Cap #3437 found at the southwest corner of the Michael & Kerry Wagner property (D.B. 419, Pg. 259 – see Aug. 2004 survey by Dennis Looper);

THENCE North 45 degrees 33 minutes 48 seconds East for a distance of 79.26 feet leaving Highway 1241 and along the south boundary of said Wagner to an Existing Iron Pin & Cap #3437 found;

THENCE South 88 degrees 41 minutes 11 seconds East for a distance of 549.88 feet continuing with the south boundary of said Wagner to an Existing Iron Pin & Cap #3437 found at a southeast corner of the Wagner property;

THENCE North 01 degrees 17 minutes 37 seconds West for a distance of 80.82' feet with the east boundary of said Wagner to an Existing Iron Pin & Cap #3437 found;

THENCE South 86 degrees 38 minutes 25 seconds East for a distance of 118.31' feet continuing with the said Wagner boundary to an Existing Iron Pin & Cap #3437 found;

THENCE North 00 degrees 44 minutes 04 seconds East for a distance of 215.36' feet continuing with the said Wagner boundary to an Existing Iron Pin & Cap #3437 found;

THENCE North 00 degrees 41 minutes 39 seconds East for a distance of 160.08' feet with the east boundary of the Michael A. & Kerry J. Wagner property (D.B. 433, Pg. 196, see 2006 survey by Dennis Looper) to an Existing Iron Pin & Cap #3437 found;

THENCE South 82 degrees 51 minutes 56 seconds West for a distance of 731.63' feet with north boundary of said Wagner to an Existing Iron Pin & Cap #3437 found;

THENCE South 54 degrees 42 minutes 14 seconds West for a distance of 125.05' feet with the north boundary of said Wagner (D.B. 419, Pg. 259) to an Existing Iron Pin & Cap #3437 found in the northeast right-of-way of Kentucky Highway 1241 (30' from centerline) said iron pin & cap being at the northwest corner of the Wagner property;

THENCE North 24 degrees 21 minutes 56 seconds West for a distance of 40.36' feet along the northeast right-of-way of said Highway 1241 to a point in the centerline of a creek said point bears N 55^09'03"E a distance of 30.00 feet from an Existing "Mag" Nail found in the centerline of the said Highway and the centerline of a "box culvert";

Thence in a northeasterly direction with the centerline of a creek and the south boundary of the Ricky L. & Della F. Thurston property (D.B. 386, Pg. 714) with the following calls:

THENCE North 55 degrees 29 minutes 03 seconds East for a distance of 504.80' feet to a point;

THENCE North 54 degrees 48 minutes 51 seconds East for a distance of 260.83' feet to a point;

THENCE North 58 degrees 30 minutes 52 seconds East for a distance of 52.51' feet to a point;

THENCE North 49 degrees 24 minutes 56 seconds East for a distance of 190.86' feet to a point in centerline of creek that bears N 36°03'28"W a distance of 35.00 feet from an Iron Pin & Cap #3499 Witness corner set;

THENCE North 65 degrees 39 minutes 38 seconds East for a distance of 182.72' feet to a point;

THENCE North 54 degrees 09 minutes 50 seconds East for a distance of 111.76' feet to a point;

THENCE South 67 degrees 41 minutes 59 seconds East for a distance of 83.55' feet to a point;

THENCE North 62 degrees 35 minutes 01 seconds East for a distance of 88.55' feet to a point;

THENCE South 74 degrees 42 minutes 13 seconds East for a distance of 59.99' feet to a point in centerline of creek that bears N 58°21'54" E a distance of 41.10 feet from an Iron Pin & Cap #3499 Witness corner set;

THENCE South 85 degrees 37 minutes 30 seconds East for a distance of 79.32' feet to a point;

THENCE South 60 degrees 48 minutes 05 seconds East for a distance of 63.59' feet to a point;

THENCE North 86 degrees 15 minutes 55 seconds East for a distance of 182.41' feet to a point;

THENCE South 47 degrees 59 minutes 59 seconds East for a distance of 34.58' feet to a point;

THENCE North 88 degrees 51 minutes 18 seconds East for a distance of 94.03' feet to a point;

THENCE South 81 degrees 29 minutes 55 seconds East for a distance of 168.27' feet to a point;

THENCE South 84 degrees 52 minutes 27 seconds East for a distance of 201.09' feet to a point;

THENCE North 64 degrees 05 minutes 40 seconds East for a distance of 71.04' feet to a point;

THENCE South 82 degrees 48 minutes 53 seconds East for a distance of 50.47' feet to a point;

THENCE South 53 degrees 28 minutes 18 seconds East for a distance of 53.84' feet to a point;

THENCE South 77 degrees 16 minutes 08 seconds East for a distance of 83.73' feet to a point;

THENCE South 17 degrees 33 minutes 09 seconds East for a distance of 89.37' feet to a point;

THENCE South 57 degrees 57 minutes 11 seconds East for a distance of 28.59' feet to a point in the centerline of the creek and in the west boundary of the Ricky Thurston property (D.B. 299, Pg. 9);

THENCE South 01 degrees 52 minutes 05 seconds West for a distance of 162.19' feet with the west boundary of said Thurston passing an Existing Iron Pin & Cap #1933 Witness corner at 29.19 feet and continuing to an Existing "X" Tie Fence post;

THENCE South 88 degrees 11 minutes 19 seconds West for a distance of 110.89' feet continuing with the said Thurston boundary to an Existing "X" Tie Fence Post;

THENCE South 03 degrees 52 minutes 52 seconds West for a distance of 411.13' feet continuing with the said Thurston boundary to an Existing "X" Tie Fence Post;

THENCE South 83 degrees 06 minutes 54 seconds East for a distance of 108.95' feet continuing with the said Thurston boundary to an Existing "X" Tie Fence Post;

THENCE South 01 degrees 15 minutes 23 seconds West for a distance of 269.13' feet continuing with the said Thurston boundary to an Existing Iron Pin & Cap #1933 found at the southwest corner of the said Thurston property;

THENCE South 88 degrees 59 minutes 19 seconds East for a distance of 1617.69 feet along a new line and the remaining William H. Green, Jr. property (D.B. 377, Pg. 760) to an Existing Iron Pin & Cap #1933 found;

THENCE North 86 degrees 35 minutes 59 seconds East for a distance of 1881.81 feet along the south boundary of the Ricky Thurston property (D.B. 299, Pg. 9 - Tract No. I) passing an Iron Pin & Cap #3499 set at the southwest corner of a new 42.316 acre Thruston tract at 1216.43 feet and continuing to an Iron Pin & Cap #3499 set at the northwest corner of the Terry & Sandra Leonard property (D.B. 385, Pg. 63 - see 1982 survey by Howard Duncan) said iron pin & cap also being at the northeast corner of the property herein described;

THENCE South 04 degrees 00 minutes 22 seconds West for a distance of 1336.85 feet along the west boundary of said Leonard to an Existing #4 Rebar Iron Pin found and being the southwest corner of said Leonard and the southeast corner of the property herein described;

THENCE South 87 degrees 08 minutes 14 seconds West for a distance of 532.89 feet along the north boundary of the Terry & Sandra Leonard property (D.B. 385, Pg. 69, D.B. 224, Pg. 442 - see 1984 survey by D.O. Sullivan) to an Existing Iron Pin & Cap #1606 found;

THENCE South 86 degrees 40 minutes 56 seconds West for a distance of 445.81 feet along the north boundary of the W.H. & Mildred Green property (D.B. 198, Pg. 7 - see Nov. 2001 survey by Art Travis) to an Existing Iron Pin & Cap #2444 found;

THENCE North 02 degrees 33 minutes 01 seconds East for a distance of 267.65 feet along the east boundary of the Priscilla & Kenneth Wilson property (D.B. 377, Pg. 520 - see 1998 survey by Holmes) to an Existing Iron Pin & Cap #2444 found;

THENCE North 02 degrees 33 minutes 01 seconds East for a distance of 367.38 feet along the east boundary of the Howard & Christine Monroe property (D.B. 158, Pg. 403, D.B. 226, Pg. 210) to an Iron Pin & Cap #3499 set;

THENCE South 88 degrees 59 minutes 24 seconds West for a distance of 897.54 feet continuing along the said Monroe boundary to an Existing Iron Pin & Cap #1933 found;

THENCE North 00 degrees 30 minutes 27 seconds East for a distance of 383.47 feet continuing along the said Monroe boundary to an Existing Iron Pin & Cap #1933 found;

THENCE North 85 degrees 53 minutes 29 seconds West for a distance of 2156.15 feet along the north boundary of said Monroe to the point of beginning and containing 93.538 acres of real estate.

EXCEPT

Being 65.474 acres of real estate located on the east side of Kentucky Highway 1241 approximately 0.6 miles north of the Old Plant Roads intersection with Kentucky Highway 1241, and with all of said property being West of Carney Creek, and with all of said property being near the Folsomdale Community of Graves County, Kentucky and with said 65.474 acres being more particularly described as follows:

Beginning at the southwest corner of the property herein described said corner being an Existing Iron Pin & Cap #3437 found in the east right-of-way of said Highway 1241 (30' from centerline) and bears South 19 degrees 10 minutes 39 seconds East a distance of 478.90 feet from an existing "Mag Nail" found in the centerline of Highway 1241 and the centerline of a "box culvert", said iron pin and cap also being at the northwest corner of the Howard & Christine Monroe property (D.B. 158, Pg. 403, D.B. 226, Pg. 210);

THENCE along a curve to the left having a radius of 1475.87 feet and an arc length of 104.66 feet, being subtended by a chord of North 08 degrees 21 minutes 50 seconds West for a distance of 104.64 feet along the east right-of-way of Kentucky Highway 1241 to an Existing Iron Pin & Cap #3437 found at the southwest corner of the Michael & Kerry Wagner property (D.B. 419, Pg. 259 - see Aug. 2004 survey by Dennis Looper);

THENCE North 45 degrees 33 minutes 48 seconds East for a distance of 79.26 feet leaving Highway 1241 and along the south boundary of said Wagner to an Existing Iron Pin & Cap #3437 found;

THENCE South 88 degrees 41 minutes 11 seconds East for a distance of 549.88 feet continuing with the south boundary of said Wagner to an Existing Iron Pin & Cap #3437 found at a southeast corner of the Wagner property;

THENCE North 01 degrees 17 minutes 37 seconds West for a distance of 80.82' feet with the east boundary of said Wagner to an Existing Iron Pin & Cap #3437 found;

THENCE South 86 degrees 38 minutes 25 seconds East for a distance of 118.31' feet continuing with the said Wagner boundary to an Existing Iron Pin & Cap #3437 found;

THENCE North 00 degrees 44 minutes 04 seconds East for a distance of 215.36' feet continuing with the said Wagner boundary to an Existing Iron Pin & Cap #3437 found;

THENCE North 00 degrees 41 minutes 39 seconds East for a distance of 160.08' feet with the east boundary of the Michael A. & Kerry J. Wagner property (D.B. 433, Pg. 196, see 2006 survey by Dennis Looper) to an Existing Iron Pin & Cap #3437 found;

THENCE South 82 degrees 51 minutes 56 seconds West for a distance of 731.63' feet with north boundary of said Wagner to an Existing Iron Pin & Cap #3437 found;

THENCE South 54 degrees 42 minutes 14 seconds West for a distance of 125.05' feet with the north boundary of said Wagner (D.B. 419, Pg. 259) to an Existing Iron Pin & Cap #3437 found in the northeast right-of-way of Kentucky Highway 1241 (30' from centerline) said iron pin & cap being at the northwest corner of the Wagner property;

THENCE North 24 degrees 21 minutes 56 seconds West for a distance of 40.36' feet along the northeast right-of-way of said Highway 1241 to a point in the centerline of a creek said point bears N 55^09'03"E a distance of 30.00 feet from an Existing "Mag" Nail found in the centerline of the said Highway and the centerline of a "box culvert";

Thence in a northeasterly direction with the centerline of a creek and the south boundary of the Ricky L. & Della F. Thurston property (D.B. 386, Pg. 714) with the following calls:

THENCE North 55 degrees 29 minutes 03 seconds East for a distance of 504.80' feet to a point;

THENCE North 54 degrees 48 minutes 51 seconds East for a distance of 260.83' feet to a point;

THENCE North 58 degrees 30 minutes 52 seconds East for a distance of 52.51' feet to a point;

THENCE North 49 degrees 24 minutes 56 seconds East for a distance of 190.86' feet to a point in centerline of creek that bears N 36^03'28"W a distance of 35.00 feet from an Iron Pin & Cap #3499 Witness corner set;

THENCE North 65 degrees 39 minutes 38 seconds East for a distance of 182.72' feet to a point;

THENCE North 54 degrees 09 minutes 50 seconds East for a distance of 111.76' feet to a point;

THENCE South 67 degrees 41 minutes 59 seconds East for a distance of 83.55' feet to a point;

THENCE North 62 degrees 35 minutes 01 seconds East for a distance of 88.55' feet to a point;

THENCE South 74 degrees 42 minutes 13 seconds East for a distance of 59.99' feet to a point in centerline of creek that bears N 58^21'54" E a distance of 41.10 feet from an Iron Pin & Cap #3499 Witness corner set;

THENCE South 85 degrees 37 minutes 30 seconds East for a distance of 79.32' feet to a point;

THENCE South 60 degrees 48 minutes 05 seconds East for a distance of 63.59' feet to a point;

THENCE North 86 degrees 15 minutes 55 seconds East for a distance of 182.41' feet to a point;

THENCE South 47 degrees 59 minutes 59 seconds East for a distance of 34.58' feet to a point;

THENCE North 88 degrees 51 minutes 18 seconds East for a distance of 94.03' feet to a point;

THENCE South 81 degrees 29 minutes 55 seconds East for a distance of 168.27' feet to a point;

THENCE South 84 degrees 52 minutes 27 seconds East for a distance of 201.09' feet to a point;

THENCE North 64 degrees 05 minutes 40 seconds East for a distance of 71.04' feet to a point;

THENCE South 82 degrees 48 minutes 53 seconds East for a distance of 50.47' feet to a point;

THENCE South 53 degrees 28 minutes 18 seconds East for a distance of 53.84' feet to a point;

THENCE South 77 degrees 16 minutes 08 seconds East for a distance of 83.73' feet to a point;

THENCE South 17 degrees 33 minutes 09 seconds East for a distance of 89.37' feet to a point;

THENCE South 57 degrees 57 minutes 11 seconds East for a distance of 28.59' feet to a point in the centerline of the creek and in the west boundary of the Ricky Thurston property (D.B. 299, Pg. 9);

THENCE South 01 degrees 52 minutes 05 seconds West for a distance of 162.19' feet with the west boundary of said Thurston passing an Existing Iron Pin & Cap #1933 Witness corner at 29.19 feet and continuing to an Existing "X" Tie Fence post;

THENCE South 88 degrees 11 minutes 19 seconds West for a distance of 110.89' feet continuing with the said Thurston boundary to an Existing "X" Tie Fence Post;

THENCE South 03 degrees 52 minutes 52 seconds West for a distance of 411.13' feet continuing with the said Thurston boundary to an Existing "X" Tie Fence Post;

THENCE South 83 degrees 06 minutes 54 seconds East for a distance of 108.95' feet continuing with the said Thurston boundary to an Existing "X" Tie Fence Post;

THENCE South 01 degrees 15 minutes 23 seconds West for a distance of 269.13' feet continuing with the said Thurston boundary to an Existing Iron Pin & Cap #1933 found at the southwest corner of the said Thurston property;

THENCE North 86 degrees 35 minutes 59 seconds East for a distance of 1284.89 feet along the south boundary of the Ricky Thurston property (D.B. 299, Pg. 9 - Tract No. 1) to a point in Carney Creek and being the southwest corner of a 40.579 acre tract (Ricky Thurston West Tract Rev.) said point being 45.00 feet south of an Iron Pin & Cap #3499 Witness corner set said point also being at the northeast corner of the property herein described;

THENCE South 61 degrees 06 minutes 00 seconds West for a distance of 97.00 feet along the west side of Carney Creek and the west boundary of the remaining William H. Green, Jr. 28.064 acre tract to an Iron Pin & Cap #3499 set approximately 20 feet west of the centerline of said Carney Creek;

THENCE South 45 degrees 28 minutes 41 seconds West for a distance of 197.82 feet continuing along the west side of Carney Creek and the remaining Green tract to an Iron Pin & Cap #3499 set approximately 20 feet west of the centerline;

THENCE South 33 degrees 21 minutes 21 seconds West for a distance of 160.60 feet continuing along the west side of Carney Creek and the remaining Green tract to an Iron Pin & Cap #3499 set approximately 20 feet west of the centerline;

THENCE South 16 degrees 12 minutes 45 seconds West for a distance of 245.99 feet continuing along the west side of Carney Creek and the remaining Green tract to a Iron Pin & Cap #3499 set approximately 18 feet west of the centerline;

THENCE South 21 degrees 38 minutes 56 seconds West for a distance of 172.41 feet to an Existing Iron Pin & Cap #3499 found at the northeast corner of the Howard & Christine Monroe property (D.B. 158, Pg. 403, D.B. 226, Pg. 210);

THENCE South 88 degrees 59 minutes 24 seconds West for a distance of 897.54 feet continuing along the said Monroe boundary to an Existing Iron Pin & Cap #1933 found;

THENCE North 00 degrees 30 minutes 27 seconds East for a distance of 383.47 feet continuing along the said Monroe boundary to an Existing Iron Pin & Cap #1933 found;

THENCE North 85 degrees 53 minutes 29 seconds West for a distance of 2156.15 feet along the north boundary of said Monroe to the point of beginning and containing 65.474 acres, more or less.

Together with and subject to covenants, easements, and restrictions of record.

Being the real estate conveyed to Purchase Area Regional Industrial Authority, Inc. by Deed Book 434, Page 816 of the Graves County, Kentucky Clerk's Office.

Parcel 56:

Tax ID No: 084.00.00.062.00
Parcel contains 24.0 acres, more or less

Being 49.435 acres located 2,800 feet east of Whittemore Road and 2,000 feet south of Kentucky Highway 849 near the Folsomdale Community of Graves County, Kentucky and with said 49.435 acres being more particularly described as follows:

Beginning at an Existing Iron Pin & Cap #1955 found on the east side of Whittemore Road (35' east of centerline) approximately 1,455 feet south of the centerline of said Highway 849, thence North 87 degrees 03 minutes 27 seconds East a distance of 1638.38 feet with the north boundary of Robert Nall, et al property (D.B. 104, pg. 531) to an Existing #4 Rebar Iron Pin, thence North 86 degrees 43 minutes 24 seconds East a distance of 1048.06 feet continuing with the said Nall boundary to an Existing Iron Pin & Cap #1955, thence South 02 degrees 50 minutes 37 seconds West a distance of 77.71 feet to an Existing Iron Pin & Cap #1955 and being the northwest corner and the true point of beginning of the property herein described;

THENCE South 79 degrees 22 minutes 58 seconds East for a distance of 409.82 feet along the south boundary of the Kevin Davenport property (D.B. 386, Pg. 149, Plat Cab. D, Slide 112) as per a 1999 survey by D.O. Sullivan and agreed to by the Cecil Estate heirs, passing an Existing Iron Pin & Cap #1606 Witness corner at 374.03 feet and continuing to a point in the centerline of a ditch;

Thence in a southeasterly direction with the centerline of the ditch and the west boundary of the said Kevin Davenport property with the following calls:

THENCE South 22 degrees 21 minutes 30 seconds West for a distance of 187.19 feet to an Existing Iron Pin & Cap #1606;

THENCE South 01 degrees 45 minutes 21 seconds West for a distance of 204.26 feet to an existing Iron Pin & Cap #1606;

THENCE South 49 degrees 39 minutes 14 seconds West for a distance of 178.98 feet to an existing Iron Pin & Cap #1606;

THENCE South 10 degrees 00 minutes 37 seconds West for a distance of 111.02 feet to an existing Iron Pin & Cap #1606;

THENCE South 21 degrees 00 minutes 47 seconds East for a distance of 162.26 feet to an Existing Iron Pin & Cap #1606;

THENCE South 57 degrees 44 minutes 45 seconds East for a distance of 110.17 feet to an existing Iron Pin & Cap #1606;

THENCE South 34 degrees 58 minutes 20 seconds East for a distance of 109.97 feet to an Existing Iron Pin & Cap #1606;

THENCE South 84 degrees 18 minutes 43 seconds East for a distance of 106.59 feet to an Existing Iron Pin & Cap #1606;

THENCE South 28 degrees 37 minutes 08 seconds East for a distance of 235.67 feet to an Existing Iron Pin & Cap #1606;

THENCE South 17 degrees 22 minutes 44 seconds West for a distance of 181.10 feet to an Existing Iron Pin & Cap #1606;

THENCE South 49 degrees 40 minutes 23 seconds East for a distance of 119.01 feet to an Existing Iron Pin & Cap #1606;

THENCE South 27 degrees 29 minutes 33 seconds East for a distance of 132.78 feet to an Existing iron Pin & Cap #1606;

THENCE South 14 degrees 18 minutes 20 seconds East for a distance of 209.51 feet to an Existing Iron Pin & Cap #1606;

THENCE South 45 degrees 27 minutes 58 seconds East for a distance of 81.10 feet to a point in the centerline intersection of two ditches said point is the southeast corner of the property herein described and bears North 85 degrees 29 minutes 23 seconds East a distance of 42.91 feet from an Existing Iron Pin & Cap #1955 witness corner found;

THENCE in a southwesterly direction with the centerline of the ditch and the nort boundary of the William Keith Marshall, et al property (D.B. 391, Pg. 8) with th following calls:

THENCE South 49 degrees 34 minutes 09 seconds West for a distance of 55.05 feet to point in centerline of ditch;

THENCE South 48 degrees 19 minutes 45 seconds West for a distance of 155.76 feet to point in centerline of ditch;

THENCE South 50 degrees 59 minutes 37 seconds West for a distance of 132.59 feet to point in centerline of ditch;

THENCE South 44 degrees 28 minutes 34 seconds West for a distance of 177.27 feet to a point in centerline of ditch;

THENCE South 58 degrees 12 minutes 04 seconds West for a distance of 90.19 feet to a point in centerline of ditch;

THENCE South 48 degrees 58 minutes 49 seconds West for a distance of 218.47 feet to a point in centerline of ditch;

THENCE South 49 degrees 35 minutes 33 seconds West for a distance of 206.64 feet to a point in centerline of ditch;

THENCE South 52 degrees 10 minutes 56 seconds West for a distance of 304.39 feet to a point in centerline of ditch;

THENCE South 44 degrees 42 minutes 43 seconds West for a distance of 94.32 feet to a point in centerline of ditch;

THENCE South 86 degrees 01 minutes 26 seconds West for a distance of 1060.93 feet leaving the said ditch, passing an Existing Iron Pin & Cap #1955 witness corner at 85.00 feet and continuing to an Existing Iron Pin & Cap #1955 found at the southwest corner of the property herein described;

THENCE North 01 degrees 35 minutes 32 seconds East for a distance of 757.17 feet crossing an old gravel roadway and with the east boundary of the Terry & Sandra Leonard property (D.B. 385, Pg. 69) to an Existing Iron Pin & Cap #1955;

THENCE North 86 degrees 34 minutes 58 seconds East for a distance of 1221.10 feet along the south boundary of the Robert Nall, et al property (D.B. 99, Pg. 37) to an Existing Iron Pin & Cap #1955;

THENCE North 02 degrees 50 minutes 35 seconds East for a distance of 1997.42 feet along the east boundary of said Nall property to the point of beginning and containing 49.435 acres, more or less.

EXCEPT

Being 41.441 acres of real estate located approximately 0.6 mile south of Ky. Hwy. 849 and 0.6 mile east of Whittmore Road near the Folsomdale Community of Graves County, Kentucky, and with said 41.441 acres of real estate being more particularly described as follows:

Beginning at an Iron Pin with cap #1955 (found) approximately 1438.7' south of the centerline of Ky. Hwy. 849 in the east line of the Robert Nall property, said pin located 77.71' south of an Iron Pin with cap #1955 (found) at Robert Nall's northeast corner;and is the northernmost southwest corner of the Kevin Davenport property (D.B. 386 Pg. 149), the original northwest corner this tract is part of, and the northwest corner of the herein described tract of land;

THENCE South 79 degrees 22 minutes 58 seconds East for a distance of 409.82 feet with the south line of Davenport (passing thru an Iron Pin with cap #1606 found at 374.03') to a point in the centerline of a ditch;

THENCE with the west line of Davenport along the centerline of a ditch the following bearings and distance:

South 22 degrees 21 minutes 30 seconds West for a distance of 187.19 feet to an Iron Pin with cap #1606 (found);

South 01 degrees 45 minutes 21 seconds West for a distance of 204.26 feet to an Iron Pin with cap #1606) (found);

South 49 degrees 39 minutes 14 seconds West for a distance of 178.98 feet to an Iron Pin with cap #1606 (found);

South 10 degrees 00 minutes 37 seconds West for a distance of 111.02 feet to an Iron Pin with cap #1606 (found);

South 21 degrees 00 minutes 47 seconds East for a distance of 162.26 feet to an Iron Pin with cap #1606 (found);

South 57 degrees 44 minutes 45 seconds East for a distance of 110.17 feet to an Iron Pin with cap #1606 (found);

South 34 degrees 58 minutes 20 seconds East for a distance of 109.97 feet to an Iron Pin with cap #1606 (found);

South 84 degrees 18 minutes 43 seconds East for a distance of 106.59 feet to an Iron Pin with cap #1606 (found);

South 28 degrees 37 minutes 08 seconds East for a distance of 235.67 feet to an Iron Pin with cap #1606 (found);

South 17 degrees 22 minutes 44 seconds West for a distance of 181.10 feet to an Iron Pin with cap #1606 (found);

South 49 degrees 40 minutes 23 seconds East for a distance of 119.01 feet to an Iron Pin with cap #1606 (found);

South 27 degrees 29 minutes 33 seconds East for a distance of 132.78 feet to an Iron Pin with cap #1606 (found);

South 14 degrees 18 minutes 20 seconds East for a distance of 209.51 feet to an Iron Pin with cap #1606 (found);

THENCE South 45 degrees 27 minutes 58 seconds East for a distance of 81.10 feet to a point in the centerline intersection of two ditches, said point bears North 85 degrees 29 minutes 23 seconds East for a distance of 42.91 feet from an Iron Pin with cap #1955 "Witness Corner", and is the southwest corner of Davenport, the original northernmost southeast corner this tract is part of, and is on the north line of the William Keith Marshall Estate property (D.B. 391 Pg. 8);

THENCE South 18 degrees 05 minutes 45 seconds East for a distance of 976.61 feet with a new division line of the Marshall Estate property to an Iron Pin with cap #3499 (set) at the new southeast corner of the herein described tract of land;

THENCE North 83 degrees 53 minutes 48 seconds West for a distance of 1250.94 feet continuing with a new division line of the Marshall Estate to an Iron Pin with cap #3499 (set) in the centerline of a ditch on the south line of the Guthrie Cecil Estate property;

THENCE North 02 degrees 50 minutes 35 seconds East for a distance of 624.44 feet with a new division line of the Guthrie Cecil Estate property to an Iron pin with cap #1955 (found) at the southeast corner of the said Robert Nall property;

THENCE North 02 degrees 50 minutes 35 seconds East for a distance of 1997.42 feet with the east line of Nall to the point of beginning and containing 41.411 acres of real estate, more or less.

Being the real estate conveyed to Purchase Area Regional Industrial Authority, Inc. by Deed Book 434, Page 66 of the Graves County, Kentucky Clerk's Office.

Parcel 57:

Tax ID No: 084.00.00.006.00
Parcel contains 10.7 acres, more or less

Being 10.697 acres located east of Whittemore Road and west of the Illinois Central Gulf Railroad, and approximately 1.2 miles south of Kentucky Highway 849 near the Folsomdale Community of Graves County, Kentucky and with said 10.697 acres being more particularly described as follows:

Beginning at an Iron Pin & Cap #3499 set on the east side of Whittemore Road (20' east of centerline) at said roads intersection with Olden Road said iron pin & cap bears South 76 degrees 04 minutes 54 seconds West a distance of 48.09 feet from a fence corner post and being at the northwest corner of the Johnny & Patsy Dawson property (D.B. 224, Pg. 361), thence North 87 degrees 32 minutes 04 seconds East a distance of 2238.10 feet to an Iron Pin & Cap #3499 set, thence North 03 degrees 56 minutes 57 seconds East a distance of 754.48 feet to a point, said point being the southeast corner and the true point of beginning of the property herein described;

THENCE South 89 degrees 56 minutes 30 seconds West for a distance of 1014.75 feet along the south boundary of the property herein described and the William Keith Marshall, et al property (D.B. 391, Pg. 8) to a point;

THENCE North 00 degrees 54 minutes 05 seconds West for a distance of 448.80 feet with the said Marshall boundary to a point and being the northwest corner of the property herein described;

THENCE North 86 degrees 24 minutes 47 seconds East for a distance of 907.48 feet continuing with the Marshall boundary to a point and being a northeast corner of the property herein described;

THENCE South 06 degrees 32 minutes 37 seconds East for a distance of 184.80 feet continuing with said Marshall boundary to a point;

THENCE South 57 degrees 56 minutes 33 seconds East for a distance of 107.25 feet continuing with said Marshall boundary to a point and being a northeast corner of the property herein described;

THENCE South 00 degrees 54 minutes 04 seconds East for a distance of 264.00 feet continuing with said Marshall to the point of beginning and containing 10.697 acres, more or less.

Being the real estate conveyed to Purchase Area Regional Industrial Authority, Inc. by Deed Book 427, Page 236 of the Graves County, Kentucky Clerk's Office.

Parcel 58:

Tax ID No: 083.00.00.067.00
Parcel contains 7.10 acres, more or less

Beginning at a point in the Northwest corner of the Lin Nall 98 acre tract; thence South 1-50' West 670 feet, Northeast corner of A. T. Adams 29 acre tract; thence South 85-30' West 490 feet to the Southeast corner of R. E. Rives 8 acre tract; thence North 6-15' East 690 feet to Rives Northeast corner; thence North 86-40' East 420 feet to the point of beginning and containing 7.1 acres.

Being the real estate conveyed to Purchase Area Regional Industrial Authority, Inc. by Deed Book 417, Page 580 of the Graves County, Kentucky Clerk's Office.

Purchase Area Regional Industrial Authority, Inc. Parcels contain 1,999.154 acres, more or less

Benjamin Y. Wilson and Laurel Gay Wilson Parcels

Graves County, KY

Parcel 59:

Tax ID No: 066.00.00.081.00
Parcel contains 60.00 acres, more or less

Parcel 60:

Tax ID No: 066.00.00.081.01
Parcel contains 100.00 acres, more or less

Parcel 61:

Tax ID No: 083.00.00.081.00
Parcel contains 48.00 acres, more or less

Parcel 52, 53 and 54 Common Legal Description

TRACT V:
Being 162 1/4 acres of land, exclusive of a 1.0 acre graveyard, located partly in the northwest quarter of Section 16, and partly in the northeast and northwest quarters of Section 17, all in T 5 R 1 E, and more particularly bounded and described as follows:

Beginning at a post on the south line of the northwest quarter of Section 17 T 5 R 1 E, same being 14 3/4 poles west from the southeast corner of the said quarter thereof, and running thence North 3-1/2 degrees West 110-7/8 poles along P.H. Owen line to a post and iron stake; thence North 86-1/2 degrees East, along P. H. Owen line 102-1/2 poles to a post; thence North 2 degrees West, along P.H. Owen line, 52-3/5 poles to James E. Wilson line; thence North 82-1/2 degrees East 70 poles to an iron stake at James E. Wilson and P. H. Owen common corner, same being the northeast corner of the northeast quarter of the said Section 17 T 5 R 1 E; thence North 86 degrees East, along P. H. Owen line, 66-2/3 poles to an iron stake; thence South 2 degrees East, along P. H. Owen line, 36-3/4 poles to a stake in L. W. Hodges line, 63-2/3 poles to a post and stake; thence South 4 degrees East, along L. W. Hodges line, 124-1/3 poles to the center of the public road on the south line of the aforesaid quarter; thence South 87 degrees West, along the public road, and the south line of the northeast and northwest quarters of Section 17 T 5 R 1 E, 178-7/8 poles to the beginning, and containing, as aforesaid, 162-1/4 acres of land, exclusive of the 1.0 acre graveyard.

Description of premises according to survey made by John T. Ligon, Graves County Surveyor, on July 17, 1952.

Being the real estate conveyed to Benjamin Wilson by Deed dated March 9, 2015, at Deed Book 494, Page 130 of the Graves County, Kentucky Clerk's Office.

Also being part of the following described lands:

TRACT II:

A 100.00 ACRE PARCEL OF LAND AS PER APRIL 13, 2020 SURVEY OF JASON W. LOOPER, KY LS #3573 AND LOCATED ON THE EAST SIDE OF US 45 NORTH IN THE FOLSOMDALE COMMUNITY OF GRAVES COUNTY, KENTUCKY;

AND MORE PARTICULARLY DESCRIBED AS BEGINNING AT THE SOUTHWEST CORNER OF THE PARENT TRACT OF LAND AS DESCRIBED IN DEED BOOK 391, PAGE 188, BEING A EXISTING CONCRETE RIGHT OF WAY MONUMENT FOUND IN THE EAST RIGHT OF WAY OF US 45, THENCE NORTH 00 DEG. 28 MIN. 48 SEC WEST-860.92 FEET TO THE NORTHWEST CORNER OF THE PROPERTY HEREIN DESCRIBED, SAID CORNER BEING A EXISTING ½" DIA. STEEL PIN FOUND AT THE SOUTHWEST CORNER OF THE GARRY WILSON AND RONNIE WILSON PROPERTY AS DESCRIBED IN DEED BOOK 369, PAGE 555;

SAID CONCRETE MONUMENT LIES ON A BEARING OF NORTH 13 DEG. 19 MIN. 10 SEC. EAST—1870.14 FEET FROM THE INTERSECTION OF THE CENTERLINE OF US 45 NORTH AND THE CENTERLINE EAST BALDREE ROAD;

THENCE S 88°54'11" E A DISTANCE OF 2794.70' ALONG THE SOUTH LINE OF GARRY WILSON AND RONNIE WILSON TO A 2" DIA. STEEL PIPE FOUND, SAID PIPE BEING THE SOUTHEAST CORNER OF GARRY WILSON AND RONNIE WILSON;

THENCE N 00°36'44" E A DISTANCE OF 839.85' ALONG THE EAST LINE OF GARRY WILSON AND RONNIE WILSON TO A ½" DIA. X 24" LNG. STEEL PIN WITH CAP #3573 SET (IPCS);

THENCE N 88°41'42" E A DISTANCE OF 1217.43' ALONG A NEW LINE ESTABLISHED THIS SURVEY TO A IPCS;

THENCE S 00°31'09" E A DISTANCE OF 1402.32' ALONG A NEW LINE ESTABLISHED THIS SURVEY TO A IPCS;

THENCE S 84°58'52" W A DISTANCE OF 1375.86' ALONG A NEW LINE ESTABLISHED THIS SURVEY TO A IPCS;

THENCE S 00°00'00" E A DISTANCE OF 317.93' ALONG A NEW LINE ESTABLISHED THIS SURVEY TO A IPCS;

THENCE S 89°57'06" W A DISTANCE OF 2207.91' ALONG A NEW LINE ESTABLISHED THIS SURVEY TO A IPCS;

THENCE N 00°21'00" W A DISTANCE OF 125.82' ALONG A NEW LINE ESTABLISHED THIS SURVEY TO A IPCS;

THENCE N 24°34'43" W A DISTANCE OF 305.60' ALONG A NEW LINE ESTABLISHED THIS SURVEY TO A IPCS;

THENCE N 83°21'05" W A DISTANCE OF 303.63' ALONG A NEW LINE ESTABLISHED THIS SURVEY TO A POINT LOCATED AT THE NORTHEAST CORNER OF A 30' WIDE EASEMENT FOR EGRESS AND INGRESS ESTABLISHED THIS SURVEY;

THENCE N 83°21'05" W A DISTANCE OF 30.00' ALONG THE NORTH LINE OF SAID EASEMENT TO A IPCS IN THE EAST RIGHT OF WAY OF US 45, SAID PIN BEING THE SOUTHWEST CORNER OF THE PROPERTY HEREIN DESCRIBED;

THENCE N 03°34'12" E A DISTANCE OF 140.52' GENERALLY ALONG THE EAST RIGHT OF WAY OF US 45 NORTH TO A POINT;

THENCE N 00°30'33" W A DISTANCE OF 445.81' GENERALLY ALONG THE EAST RIGHT OF WAY OF US 45 NORTH TO THE POINT OF BEGINNING.

AND BEING SUBJECT TO ALL PREVIOUSLY CONVEYED EASEMENTS, RIGHTS OF WAY, COVENANTS, RESTRICTIONS OF RECORD AND NOT OF RECORD IF ANY.

THE ABOVE DESCRIBED PROPERTY IS ACCESSED BY MEANS OF A EASEMENT FOR EGRESS AND INGRESS AND DESCRIBED AS FOLLOWS;

BEGINNING AT THE SOUTHWEST CORNER OF THE PROPERTY DESCRIBED ABOVE, SAID CORNER BEING A IPCS IN THE EAST RIGHT OF WAY OF US 45 NORTH;

THENCE S 83°21'05" E A DISTANCE OF 30.00' TO A POINT;
THENCE S 03°20'11" W A DISTANCE OF 199.08' TO A POINT;
THENCE N 86°13'03" W A DISTANCE OF 30.00' TO A POINT;
THENCE N 03°21'02" E A DISTANCE OF 200.58' TO THE POINT OF BEGINNING.

Being the real estate conveyed to Benjamin Wilson and Laurel Wilson by Deed dated September 4, 2020, at Deed Book 532, Page 641 of the Graves County, Kentucky Clerk's Office.

Being the real estate conveyed to Benjamin Wilson by Deed dated March 9, 2015, at Deed Book 494, Page 130 of the Graves County, Kentucky Clerk's Office.

Parcel contains 208.00 acres, more or less

Parcel 62:

Tax ID No: 066.00.00.084.00

Parcel contains 28.847 acres, more or less

Being 31.127 acres in the northeast quarter of section 17 township 5 range 1 east in Graves County, Kentucky, and being off the east end of the 145.3 acre tract described in Deed Book 211, page 221, and said 31.127 acres is more particularly described as follows:

Beginning at an iron rod at the intersection of the north line of the section with the east right of way line of New or Relocated U.S. Highway No. 45, and running thence North 89 degrees 55 minutes 48 seconds East along the section line 1646.53 feet to an iron rod; thence South 8 degrees 05 minutes 29 seconds West 867.34 feet to a crosstie corner post; thence South 89 degrees 50 minutes 47 seconds West 1499.25 feet to a concrete right of way marker in the east line of Relocated U.S. Highway No. 45; thence North 3 degrees 19 minutes 33 seconds East along said right of way line 73.02 feet to a concrete right of way marker; thence North 87 degrees 23 minutes 00 seconds West along said right of way line 30.00 feet; thence North 2 degrees 16 minutes 30 seconds East along said right of way line 341.10 feet; thence North 1 degree 40 minutes 30 seconds West continuing along said right of way line 445.81 feet to the point of beginning.

LESS AND EXCEPT:

TRACT I:
A 2.28 ACRE PARCEL OF LAND AS PER APRIL 13, 2020 SURVEY OF JASON W. LOOPER, KY LS #3573 AND LOCATED ON THE EAST SIDE OF US 45 NORTH IN THE FOLSOMDALE COMMUNITY OF GRAVES COUNTY, KENTUCKY;

AND MORE PARTICULARLY DESCRIBED AS BEGINNING AT THE SOUTHWEST CORNER OF THE PROPERTY HEREIN DESCRIBED, SAID CORNER BEING A EXISTING CONCRETE RIGHT OF WAY MONUMENT FOUND AT THE SOUTHWEST CORNER OF THE PARENT TRACT OF LAND AS DESCRIBED IN DEED BOOK 391, PAGE 188;

SAID POINT OF BEGINNING LIES ON A BEARING OF NORTH 13 DEG. 19 MIN. 10 SEC. EAST—1870.14 FEET FROM THE INTERSECTION OF THE CENTERLINE OF US 45 NORTH AND THE CENTERLINE EAST BALDREE ROAD;

THENCE N 04°53'18" E A DISTANCE OF 72.90' ALONG THE EAST RIGHT OF WAY OF US 45 TO A POINT AT THE SOUTHEAST CORNER OF A 30 FOOT EASEMENT ESTABLISHED THIS SURVEY FOR EGRESS AND INGRESS TO THE ADJOINING PROPERTY TO THE NORTH;

THENCE N 86°13'03" W A DISTANCE OF 30.00' ALONG THE EAST RIGHT OF WAY OF US 45 TO A POINT AT THE SOUTHWEST CORNER OF A 30 FOOT EASEMENT ESTABLISHED THIS SURVEY FOR EGRESS AND INGRESS TO THE ADJOINING PROPERTY TO THE NORTH;

THENCE N 03°21'02" E A DISTANCE OF 200.58' ALONG THE EAST RIGHT OF WAY OF US 45 TO A ½" DIA. X 24" LNG. STEEL PIN WITH CAP #3573 SET (IPCS) AT THE NORTHWEST CORNER OF A 30 FOOT EASEMENT ESTABLISHED THIS SURVEY FOR EGRESS AND INGRESS TO THE ADJOINING PROPERTY TO THE NORTH AND BEING THE NORTHWEST CORNER OF THE PROPERTY HEREIN DESCRIBED;

THENCE S 83°21'05" E A DISTANCE OF 30.00' ALONG A NEW LINE ESTABLISHED THIS SURVEY TO A POINT AT THE NORTHEAST CORNER OF SAID 30 FOOT EASEMENT;

THENCE S 83°21'05" E A DISTANCE OF 303.63' CONTINUING ALONG A NEW LINE ESTABLISHED THIS SURVEY AND THE NORTH LINE OF THE PROPERTY HEREIN DESCRIBED TO A IPCS;

THENCE S 24°34'43" E A DISTANCE OF 268.30' ALONG THE EAST LINE OF THE PROPERTY HEREIN DESCRIBED TO A IPCS;

THENCE N 88°58'02" W A DISTANCE OF 431.06' ALONG THE SOUTH LINE OF THE PROPERTY HEREIN DESCRIBED TO THE POINT OF BEGINNING.

AND BEING SUBJECT TO ALL PREVIOUSLY CONVEYED EASEMENTS, RIGHTS OF WAY, COVENANTS, RESTRICTIONS OF RECORD AND NOT OF RECORD IF ANY.

TRACT I BEING A PORTION OF THE SAME REAL ESTATE CONVEYED TO BENJAMIN Y. WILSON AND WIFE, LAUREL GAY WILSON, BY DEED FROM LARRY A. WILSON AND WIFE, CLARENE WILSON, DATED NOVEMBER 15, 2000, RECORDED NOVEMBER 15, 2000, AT 3:49 P.M., AND OF RECORD IN DEED BOOK 391, PAGE 188, GRAVES COUNTY COURT CLERK'S OFFICE.

Being the real estate conveyed to Benjamin Wilson and Laurel Wilson by Deed dated November 15, 2000, at Deed Book 391, Page 188 of the Graves County, Kentucky Clerk's Office.

Also being part of the following described lands:

TRACT II:

A 100.00 ACRE PARCEL OF LAND AS PER APRIL 13, 2020 SURVEY OF JASON W. LOOPER, KY LS #3573 AND LOCATED ON THE EAST SIDE OF US 45 NORTH IN THE FOLSOMDALE COMMUNITY OF GRAVES COUNTY, KENTUCKY;

AND MORE PARTICULARLY DESCRIBED AS BEGINNING AT THE SOUTHWEST CORNER OF THE PARENT TRACT OF LAND AS DESCRIBED IN DEED BOOK 391, PAGE 188, BEING A EXISTING CONCRETE RIGHT OF WAY MONUMENT FOUND IN THE EAST RIGHT OF WAY OF US 45, THENCE NORTH 00 DEG. 28 MIN. 48 SEC WEST-860.92 FEET TO THE NORTHWEST CORNER OF THE PROPERTY HEREIN DESCRIBED, SAID CORNER BEING A EXISTING ½" DIA. STEEL PIN FOUND AT THE SOUTHWEST CORNER OF THE GARRY WILSON AND RONNIE WILSON PROPERTY AS DESCRIBED IN DEED BOOK 369, PAGE 555;

SAID CONCRETE MONUMENT LIES ON A BEARING OF NORTH 13 DEG. 19 MIN. 10 SEC. EAST—1870.14 FEET FROM THE INTERSECTION OF THE CENTERLINE OF US 45 NORTH AND THE CENTERLINE EAST BALDREE ROAD;

THENCE S 88°54'11" E A DISTANCE OF 2794.70' ALONG THE SOUTH LINE OF GARRY WILSON AND RONNIE WILSON TO A 2" DIA. STEEL PIPE FOUND, SAID PIPE BEING THE SOUTHEAST CORNER OF GARRY WILSON AND RONNIE WILSON;

THENCE N 00°36'44" E A DISTANCE OF 839.85' ALONG THE EAST LINE OF GARRY WILSON AND RONNIE WILSON TO A ½" DIA. X 24" LNG. STEEL PIN WITH CAP #3573 SET (IPCS);

THENCE N 88°41'42" E A DISTANCE OF 1217.43' ALONG A NEW LINE ESTABLISHED THIS SURVEY TO A IPCS;

THENCE S 00°31'09" E A DISTANCE OF 1402.32' ALONG A NEW LINE ESTABLISHED THIS SURVEY TO A IPCS;

THENCE S 84°58'52" W A DISTANCE OF 1375.86' ALONG A NEW LINE ESTABLISHED THIS SURVEY TO A IPCS;

THENCE S 00°00'00" E A DISTANCE OF 317.93' ALONG A NEW LINE ESTABLISHED THIS SURVEY TO A IPCS;

THENCE S 89°57'06" W A DISTANCE OF 2207.91' ALONG A NEW LINE ESTABLISHED THIS SURVEY TO A IPCS;

THENCE N 00°21'00" W A DISTANCE OF 125.82' ALONG A NEW LINE ESTABLISHED THIS SURVEY TO A IPCS;

THENCE N 24°34'43" W A DISTANCE OF 305.60' ALONG A NEW LINE ESTABLISHED THIS SURVEY TO A IPCS;

THENCE N 83°21'05" W A DISTANCE OF 303.63' ALONG A NEW LINE ESTABLISHED THIS SURVEY TO A POINT LOCATED AT THE NORTHEAST CORNER OF A 30' WIDE EASEMENT FOR EGRESS AND INGRESS ESTABLISHED THIS SURVEY;

THENCE N 83°21'05" W A DISTANCE OF 30.00' ALONG THE NORTH LINE OF SAID EASEMENT TO A IPCS IN THE EAST RIGHT OF WAY OF US 45, SAID PIN BEING THE SOUTHWEST CORNER OF THE PROPERTY HEREIN DESCRIBED;

THENCE N 03°34'12" E A DISTANCE OF 140.52' GENERALLY ALONG THE EAST RIGHT OF WAY OF US 45 NORTH TO A POINT;

THENCE N 00°30'33" W A DISTANCE OF 445.81' GENERALLY ALONG THE EAST RIGHT OF WAY OF US 45 NORTH TO THE POINT OF BEGINNING.

AND BEING SUBJECT TO ALL PREVIOUSLY CONVEYED EASEMENTS, RIGHTS OF WAY, COVENANTS, RESTRICTIONS OF RECORD AND NOT OF RECORD IF ANY.

THE ABOVE DESCRIBED PROPERTY IS ACCESSED BY MEANS OF A EASEMENT FOR EGRESS AND INGRESS AND DESCRIBED AS FOLLOWS;

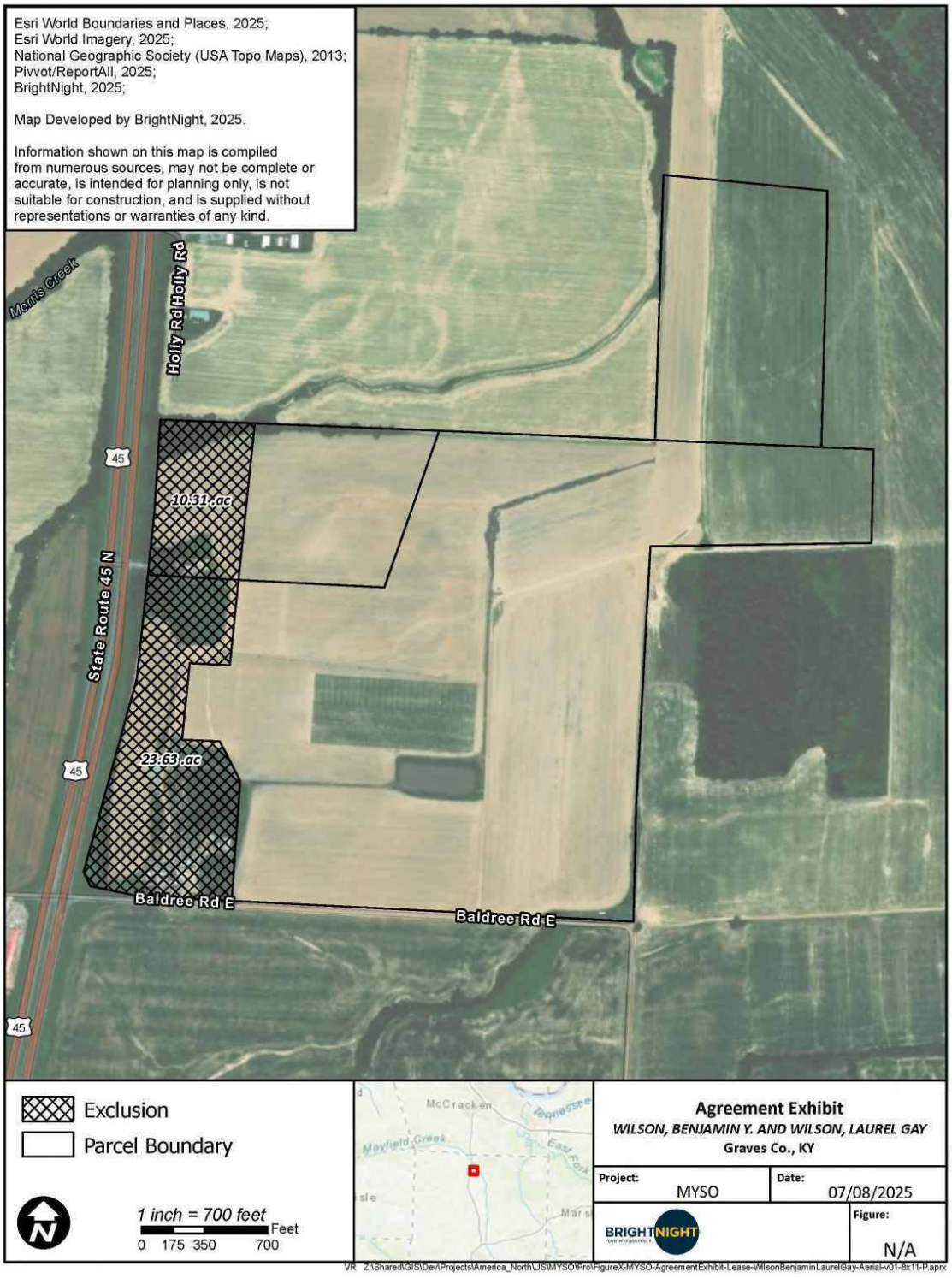
BEGINNING AT THE SOUTHWEST CORNER OF THE PROPERTY DESCRIBED ABOVE, SAID CORNER BEING A IPCS IN THE EAST RIGHT OF WAY OF US 45 NORTH;

THENCE S 83°21'05" E A DISTANCE OF 30.00' TO A POINT;
THENCE S 03°20'11" W A DISTANCE OF 199.08' TO A POINT;
THENCE N 86°13'03" W A DISTANCE OF 30.00' TO A POINT;
THENCE N 03°21'02" E A DISTANCE OF 200.58' TO THE POINT OF BEGINNING.

Being the real estate conveyed to Benjamin Wilson and Laurel Wilson by Deed dated September 4, 2020, at Deed Book 532, Page 641 of the Graves County, Kentucky Clerk's Office.

Less and except that portion containing approximately 33.94 acres, more or less, from the above-described property as generally depicted below

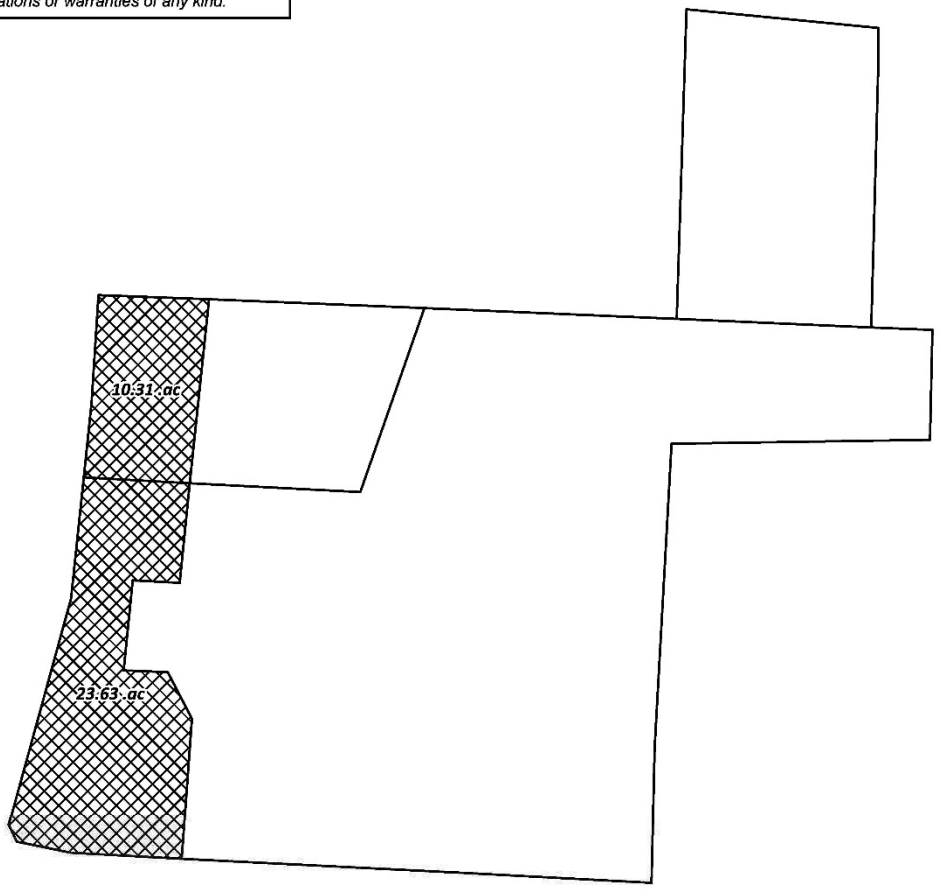
Benjamin Y. Wilson and Laurel Gay Wilson Parcels contain 202.907 acres, more or less


Esri World Boundaries and Places, 2025;
Esri World Imagery, 2025;
National Geographic Society (USA Topo Maps), 2013;
Pivvot/ReportAll, 2025;
BrightNight, 2025;
Map Developed by BrightNight, 2025.
Information shown on this map is compiled from numerous sources, may not be complete or accurate, is intended for planning only, is not suitable for construction, and is supplied without representations or warranties of any kind.
Morris Creek
Holly Rd
Holly Rd
45
10.31 ac
State Route 45 N
45
23.63 ac
Baldree Rd E
Baldree Rd E
45
Exclusion
Parcel Boundary
1 inch = 700 feet
Feet
0 175 350 700
McCracken
Tennessee
Mayfield Creek
East Fork
Agreement Exhibit
WILSON, BENJAMIN Y. AND WILSON, LAUREL GAY
Graves Co., KY
Project:
MYSO
Date:
07/08/2025
BRIGHTNIGHT
Figure:
N/A
VR Z:\Shared\GIS\Dev\Projects\America_North\US\MYSO\Pro\FigureX-MYSO-AgreementExhibit-Lease-WilsonBenjaminLaurelGay-Aerial-v01-8x11-P.aprx

Pivvot/ReportAll, 2025;
BrightNight, 2025;

Map Developed by BrightNight, 2025.

Information shown on this map is compiled from numerous sources, may not be complete or accurate, is intended for planning only, is not suitable for construction, and is supplied without representations or warranties of any kind.

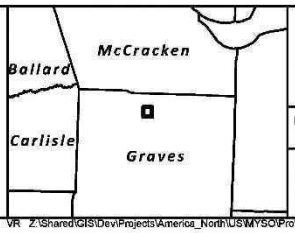


Exclusion

Parcel Boundary

1 inch = 700 feet

0 175 350 700 Feet



Agreement Exhibit

WILSON, BENJAMIN Y. AND WILSON, LAUREL GAY

Graves Co., KY

Project:	Date:
MYSO	07/08/2025

BRIGHTNIGHT

Figure: N/A

VR Z:\Shared\GIS\Devl\Projects\America_North\US\MYSO\Pro\FigureX-MYSO-AgreementExhibit-Lease-WilsonBenjaminLaurelGay-BW-v01-8x11-P.aprx

SAR Attachment D

Acoustic Assessment Report for the Mayfield Solar Project

Graves County, Kentucky

January 2026

Prepared for:

MYSO, LLC
515 N. Flagler Dr., Suite 250
West Palm Beach, FL 33401

Prepared by:

Tetra Tech, Inc.
4101 Cox Road, Suite 100
Glen Allen, VA 23060

TETRA TECH

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ACRONYMS AND ABBREVIATIONS

Acronym/Abbreviation	Definition
%	percent
µPa	microPascal
dB	decibel
dBA	A-weighted decibel
dBL	decibel (unweighted)
Ft	feet
Hp	horsepower
Hz	Hertz
ISO	International Organization for Standardization
L_{10}	the sound level exceeded 10% of the time
L_{90}	the sound level exceeded 90% of the time
L_{dn}	day-night sound level
L_{eq}	equivalent sound level
L_{max}	maximum sound level
L_P	sound pressure level
L_W	sound power level
M	meter
MVA	megavolt ampere
MW	megawatt
MWh	megawatt-hour
NSA	noise sensitive area
Project	Mayfield Solar Project
pW	picowatt
Tetra Tech	Tetra Tech, Inc.
USGS	United States Geological Survey
W	watt

1.0 INTRODUCTION

MYSO, LLC (MYSO) proposes to construct and operate the Mayfield Solar Project (Project), a solar photovoltaic power generation facility which will consist of an up to 200-megawatt AC (MWac) ground-mounted solar photovoltaic system, located within Graves County, Kentucky.

The Project footprint, generally the area within the fence line where the Project infrastructure will be located, includes approximately 1,342 acres. All parcels are located in areas without local zoning requirements. Much of the surrounding property is agricultural and rural residential. The Project is east of Kentucky State Route 45 with site access from Routes 849 and 408.

Noise-sensitive areas (NSAs) relative to the Project include multiple residential land uses, one cemetery location, two church locations, one masonic lodge, and one fire department. There are no participating receptors. The closest residential NSA (R-162) to the Project boundary is located approximately 30 feet away, while the closest NSA (R-57) to the Project fence line is located 151 feet away. The closest residential NSA (R-118) to the Project infrastructure (panels) is located 308 feet away. The closest residential NSA (R-57) to an inverter is located 616 feet away. The closest residential NSA (R-138) to the substation is located 2,687 feet away.

On behalf of MYSO, Tetra Tech, Inc. (Tetra Tech) prepared an acoustic assessment for the Project, evaluating the sound contribution of the Project to the surrounding area. An acoustic modeling analysis was conducted simulating sound produced during both construction and operation. Operational sound sources consisted primarily of the inverter skids, and the main transformer at the onsite substation. The overall objectives of this assessment were to: 1) identify Project sound sources and estimate sound propagation characteristics; 2) computer-simulate sound levels using internationally accepted calculation standards; and 3) determine whether the Project will operate in compliance with the applicable noise regulations.

2.0 ACOUSTIC METRICS AND TERMINOLOGY

This section outlines relevant concepts in acoustics to help non-specialist readers better understand the acoustic modeling assessment and results as presented in this report.

Sound is described as a rapid fluctuation or oscillation of air pressure above and below atmospheric pressure creating a sound wave. Sound energy is characterized by the properties of sound waves, which include frequency, wavelength, period, amplitude, and velocity. A sound source is defined by a sound power level (L_W), which is independent of any external factors. Sound power is the rate at which acoustical energy is radiated outward and is expressed in units of watts (W). Sound energy propagates through a medium where it is sensed and then interpreted by a receiver. A sound pressure level (L_P) is a measure of this fluctuation at a given receiver location and can be obtained using a microphone or calculated from information about the source L_W and the surrounding environment. Sound power, however, cannot be measured directly. It is calculated from measurements of sound intensity or sound pressure at a given distance from the source.

While the concept of sound is defined by the laws of physics, the term 'noise' has further qualities, such as being excessive or loud. The perception of sound as noise is influenced by several technical factors as intensity, sound quality, tonality, duration, and the existing background levels. Sound levels are presented on a logarithmic scale to account for the large range of acoustic pressures that the human ear is exposed to and is expressed in units of decibels (dB). A dB is defined as the ratio between a measured value and a reference value, usually corresponding to the lower threshold of human hearing defined as 20 microPascals (µPa). Conversely, sound power is referenced to 1 picowatt (pW).

Broadband sound includes sound energy summed across the frequency spectrum. In addition to broadband sound pressure, analysis of the various frequency components of the sound spectrum is completed to determine tonal characteristics. The unit of frequency is Hertz (Hz), measuring the cycles per second of the sound pressure waves; the frequency analysis typically examines 11 octave bands ranging from 16 Hz (low) to 16,000 Hz (high), encompassing the entire human audible frequency range. Since the human ear does not perceive every frequency with equal loudness, spectrally varying sounds are often adjusted with a weighting filter. The A-weighted filter is applied to compensate for the frequency response of the human auditory system and sound exposure in acoustic assessments is designated in A-weighted decibels (dBA). Unweighted sound levels are referred to as linear. Linear decibels (dBL) are used to determine a sound's tonality and to engineer solutions to reduce or control noise as techniques are different for low- and high-frequency noise.

Sound can be measured, modeled, and presented in various formats, with the most common metric being the equivalent sound level (L_{eq}). The L_{eq} value is the energy-averaged sound level over a given measurement period. Levels of many sounds change from moment to moment. Some impulses last 1 second or less, while others rise and fall over much longer periods of time. The equivalent sound level has been shown to provide both an effective and uniform method for comparing time-varying sound levels. Another commonly used sound metric is maximum sound level (L_{max}), which can be used to quantify the maximum instantaneous sound pressure level. When there is no variation of operational sound levels, the L_{eq} will be equivalent with the L_{max}. The day-night sound level (L_{dn}) is used to describe the average sound levels over the course of a 24-hour period, with a 10-dB correction to reflect the increased noise-sensitivity of nighttime (10:00 pm to 7:00 am). Sound levels can also be described using statistical levels (L_n). This descriptor identifies the sound level that is exceeded "n" percent of the time over a measurement period (e.g., L_{90} = sound level exceeded 90 percent of the time). The sound level exceeded for a small percent of the time, L_{10}, closely corresponds to short-term, higher-level, intrusive noises (such as vehicle pass-by noise near a roadway). The sound level exceeded for a large percent of the time, L_{90}, closely corresponds to continuous, lower-level background noise (such as continuous noise from a distant industrial facility). L_{50}

is the level exceeded 50 percent of the time and is typically referred to the median sound level over a given period. Typical sound levels associated with various activities and environments are presented in Table 1.

Table 1. Sound Pressure Levels of Typical Noise Sources and Acoustic Environments

Noise Source or Activity	Sound Level (dBA)	Subjective Impression
Jet aircraft takeoff from carrier (50 feet [ft])	140	Threshold of pain
50-horsepower (hp) siren (100 ft)	130	
Loud rock concert near stage Jet takeoff (200 ft)	120	Uncomfortably loud
Crop dusting plane takeoff (100 ft)	110	
Jet takeoff (2,000 ft)	100	Very loud
Heavy truck or motorcycle (25 ft)	90	
Garbage disposal Food blender (2 ft) Pneumatic drill (50 ft)	80	Loud
Vacuum cleaner (10 ft)	70	Moderate
Passenger car at 65 miles per hour (25 ft)	65	
Large store air-conditioning unit (20 ft)	60	
Large office household refrigerator	55	Quiet
Light auto traffic (100 ft)	50	
Quiet rural residential area with no activity	45	
Bedroom or quiet living room, bird calls	40	Faint
Typical wilderness area	35	
Quiet library, soft whisper (15 ft)	30	Very quiet
Wilderness with no wind or animal activity	25	Extremely quiet
High-quality recording studio	20	
Acoustic test chamber	10	Just audible
	0	Threshold of human hearing

3.0 NOISE REGULATIONS

A review was conducted of noise regulations applicable to the Project at the federal, state, county, and local levels. There are no federal, state, county, or local environmental noise requirements specific to this Project.

While the U.S. EPA has no regulation governing environmental noise, the agency has conducted several extensive studies to identify the effects of sound level on public health and welfare. In 1974 the U.S. EPA published "Information on Levels of Environmental Noise Requisite to Protect Public Health and Welfare with an Adequate Margin on Safety". In this publication, the U.S. EPA evaluated the effects of environmental noise with respect to health and safety and determined an L_{dn} of 55 dBA (equivalent to an L_{eq} (1-hour) of 48.6 dBA assuming continuous 24-hour operation) to be the maximum sound level that will not adversely affect public health and welfare by interfering with speech or other activities in outdoor areas.

In the absence of relevant environmental noise requirements, received sound levels at the closest NSA were calculated and compared to the U.S. EPA level of 55 dBA L_{dn}. Sound levels resulting from the Project at all identified NSAs located in the vicinity of the Project are absolute and independent of the existing acoustic environment; therefore, a baseline sound survey is not required to demonstrate conformance.

4.0 PROJECT CONSTRUCTION

Construction of the Project is expected to be typical of other solar power generating facilities in terms of schedule, equipment, and activities.

4.1 NOISE CALCULATION METHODOLOGY

Acoustic emission levels for activities associated with Project construction were based upon equipment levels provided by the Federal Highway Administration (FHWA, 2006). Using those equipment noise levels as input to a basic propagation model, construction noise levels were calculated at a series of set reference distances using the formula:

$$L_2 = L_1 - |20 * log(r_1/r_2)|,$$

Where $L_1 = L_{max}$ at distance r_1

$L_2 = L_{max}$ at distance r_2.

The construction noise calculations assumed spherical wave divergence from a point source located at the closest point of the construction activity (i.e. the closest fence line, closest solar panel, closest inverter, and closest substation boundary) to the NSA of interest. Furthermore, the calculations conservatively assumed that all pieces of construction equipment associated with an activity will operate simultaneously for the duration of that activity at their L_{max}. An additional level of conservatism was built into the construction calculations by excluding potential shielding effects due to intervening structures and buildings along the propagation path from the site to receiver locations.

In addition to the L_{max} calculation described above, the average noise level (L_{eq}) was also calculated by applying the utilization percentage for each piece of construction equipment. This is the percentage of time an individual piece of construction equipment will operate over an hour period. The following formula was used to calculate this:

$$L = L_{max} + |10 * log(UR/100)|,$$

Where $L = L_{eq}$

UR = Utilization Rate (%)

4.2 PROJECTED NOISE LEVELS DURING CONSTRUCTION

Construction of the Project is expected to occur over an approximately 1188—224--mmonth period. Construction will be limited to the hours between 6:00 a.m. through 7:00 p.m. Monday through Saturday, and pile driving will only occur from 9:00 a.m. through 5:00 p.m. Monday through Saturday. For the purposes of this acoustical assessment, construction activities were assessed for the following work stages:

(1) Site preparation, grading, and excavation;

(2) Panel construction;

(3) Inverter construction; and

(4) Substation construction.

Equipment used for construction includes heavy equipment (e.g., bulldozers, loaders, dump trucks), which involve diesel engines that produce mechanical and exhaust noise with the latter typically the predominant sound source. Pile driving will also be used during each of the work stages identified above. Since pile driving will only be used for a portion of the site preparation, grading, and excavation work stage, results are provided with the pile driver and

without the pile driver. Table 2 summarizes the construction equipment assessed for each work stage and the projected noise levels due to Project construction at the closest NSA. Table A-1 in Appendix A shows the received construction noise levels at the remaining NSAs within 2,000-feet of the site.

Periodically, sound levels may be higher or lower than those presented in Table 2; however, the overall sound levels should generally be lower due to excess attenuation and the trend toward quieter construction equipment in the intervening decades since the FHWA data were developed. Noise from construction equipment will vary depending on a variety of factors including the number and class of equipment operating at a location at a given time. Received sound levels will also fluctuate, depending on the construction activity, equipment type, and distance between noise source and NSAs.

Due to the infrequent nature of loud construction activities at the site, the limited hours of construction and the implementation of noise mitigation measures (Section 4.3), the temporary increase in noise due to construction is not anticipated to create a significant impact.

Table 2. Unmitigated Projected Construction Noise Levels by Work Stage (dBA L_{max}, L_{eq})

Construction Work Stage	Construction Equipment	Noise Level at 50 feet (dBA, L_{max})	Usage Factor (%)	Closest NSA and Distance to Work Stage	Work Stage Equipment Noise Level at NSA	
					Peak, (dBA, L_{max})	Average, (dBA, L_{eq})
Site Preparation, Grading, and Excavation (with pile driver)	Pile driver Grader Loader Dozer Dump truck	101 85 79 82 76	20 40 40 40 40	R-57 151 feet to fence line	92	85
Site Preparation, Grading, and Excavation (without pile driver)	Grader Loader Dozer Dump truck	85 79 82 76	40 40 40 40	R-57 151 feet to fence line	78	74
Panel Construction	Pile driver Cement truck Cement mixer Crane Loader	101 81 79 81 79	20 20 40 16 40	R-118 308 feet to panel	85	78
Inverter Construction	Pile driver Cement truck Cement mixer Crane Loader	101 81 79 81 79	20 20 40 16 40	R-57 616 feet to inverter	79	72
Substation Construction	Pile driver Cement truck Cement mixer	101 81 79	20 20 40	R-138 2,687 feet to Substation	66	60

	Crane Loader	81 79	16 40			

4.3 CONSTRUCTION NOISE MITIGATION

Construction noise will be temporary in nature and, as such, no long term or significant noise impacts due to construction are anticipated. Regardless, reasonable efforts will be made to minimize the impact of noise resulting from construction activities. Following is a list of recommended best management practices and noise mitigation measures:

- Pile-driving activity occurring within 1,500 feet of an NSA will implement a construction method that will suppress 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 equipment should be well-maintained and vehicles using internal combustion engines equipped with mufflers will be routinely checked to ensure they are in good working order;
- Noisy equipment will be located as far from possible from NSAs as practical; and
- A noise complaint hotline, complaint resolution program, and local representative will be made available to address any noise-related issues.

Implementing the listed measures will aid in reducing offsite construction noise impacts. Due to the temporary nature of construction noise, no long-term impacts are anticipated.

5.0 OPERATIONAL NOISE

This section describes the model and input assumptions used to calculate noise levels due to the Project's normal operation, and the results of the noise impact analysis.

5.1 OPERATIONAL NOISE PROPAGATION MODEL

The acoustic modeling for the Project operation was conducted with the CadnaA sound model from DataKustik GmbH (2024). The outdoor noise propagation model is based on Organization for International Standardization (ISO) 9613, Part 1: "Calculation of the absorption of sound by the atmosphere," (1993) and Part 2: "General method of calculation," (1996). It is used by acoustic engineers to accurately describe sound emission and propagation from complex facilities and in most cases yields conservative results of operational sound levels in the surrounding community. Model predictions are accurate to within 1 dB of calculations based on the ISO 9613 standard.

ISO 9613 was used to calculate propagation and attenuation of sound energy with distance, surface and building reflection, and shielding effects by equipment, buildings, and ground topography. Offsite topography was determined using Unites States Geological Survey (USGS) digital elevation data. The sound model propagation calculation parameters are summarized in Table 3.

Table 3. Acoustic Model Setup Parameters

Model Input	Parameter Value
Standards	ISO 9613-2, Acoustics – Attenuation of sound during propagation outdoors.[1]
Reflection Loss	2 dB – indicates reduction in acoustic energy due to reflection
Grid Spacing	30 m
Terrain Description	USGS topography
Ground Absorption	0.5 (semi-reflective) offsite, 0.0 (reflective) onsite
Receiver Characteristics	1.52 m (5 ft) above ground level
Meteorological Factors	Omnidirectional downwind propagation / mild to moderate atmospheric temperature inversion
Temperature	50°F
Relative Humidity	70%
Search radius	1 mile

[1] Propagation calculations under the ISO 9613 standard incorporate the effects of downwind propagation from facility to receptor) with wind speeds of 1 to 5 m per second (3.6 to 18 kilometers per hour) measured at a height of 3 to 11 m above the ground.

The Project's general arrangement was directly imported into the acoustic model so that onsite equipment could be easily identified, structures could be added, and sound emissions ratings could be assigned to sources as appropriate. CadnaA allows for three basic types of sound sources to be introduced into the

model: point, line, and area sources. Each noise-radiating element was modeled based on its noise emission pattern. Larger dimensional sources, such as the transformer walls, were modeled as area sources. Transformers and inverter skids were modeled as solid structures because diffracted paths around and over structures tend to reduce noise levels in certain directions. The interaction between sound sources and structures was also considered with reflection loss. The reflective characteristic of the structure is quantified by its reflection loss, which is typically defined as smooth façade from which the reflected sound energy is 2 dB less than the incident sound energy.

Ground absorption rates are described by a numerical coefficient. For pavement and water bodies, the absorption coefficient is defined as G = 0 to account for reduced sound attenuation and higher reflectivity. In contrast, ground covered in vegetation, including suburban lawns, are acoustically absorptive and aid in sound attenuation, i.e., G = 1.0. For the acoustic modeling analysis, a conservative semi-reflective value of G = 0.5 was used to represent the Project area. The portions of the Project area containing solar panels were represented with a reflective value of G = 0.0.

5.2 OPERATIONAL SOUND SOURCE INFORMATION

The Project site layout was directly imported into the acoustic model and includes 63 inverter skids and one 225 MVA substation transformer. The principal sources of noise are the cooling fans and electrical components on the inverters and substation transformer. Please note that trackers are not commonly modeled when evaluating solar facility noise impacts since they are considered such a low-level sound source.

Substations have switching, protection, and control equipment, as well as a main power transformer, which generate the sound generally described as a low humming. There are three chief noise sources associated with a transformer: core noise, load noise, and noise generated by the operation of the cooling equipment. The core is the principal noise source and does not vary significantly with electrical load. The load noise is primarily caused by the load current in the transformer's conducting coils (or windings) and consequently the main frequency of this sound is twice the supply frequency: 120 Hz for 60 Hz transformers. The cooling equipment (fans and pumps) may also be an important noise component, depending on fan design. During air forced cooling method, cooling fan noise is produced in addition to the core noise. The resulting audible sound is a combination of the humming and the broadband fan noise. Breaker noise is a sound event of very short duration, expected to occur only a few times throughout the year. Just as horsepower ratings designate the power capacity of an electric motor, a transformer's megavolt amperes rating indicates its maximum power output capacity.

Table 4 summarizes the equipment L_W data used as inputs to the modeling analysis. Sound power level values of the inverters were provided by the manufacturers, while the sound power levels for the transformers were calculated based on dimensions and MVA rating. It is assumed that installed equipment will have similar sound power profiles as those used in the acoustic modeling analysis; however, it is possible that the final manufacturer warranty values may vary.

Table 4. Modeled Octave-Band Sound Power Levels for Project Equipment

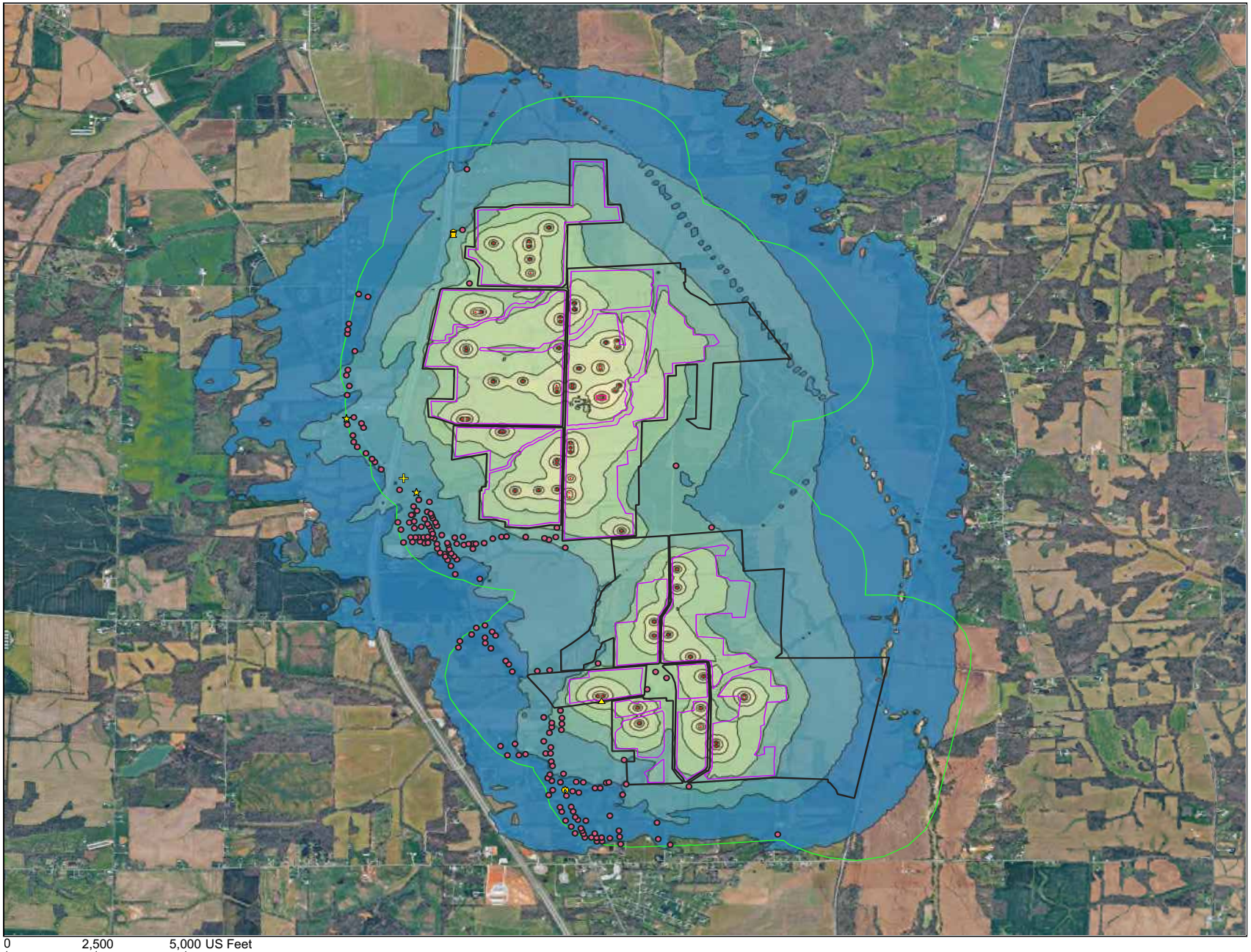
Operational Sound Sources	Sound Power Level (L_w) by Octave Band Frequency, (dBA)									Broadband L_w, dBA
	31.5	63	125	250	500	1000	2000	4000	8000	
Inverter	52	62	77	85	93	89	90	95	80	99
Substation Transformer	65	84	96	99	104	102	98	93	83	108

5.3 PROJECTED SOUND LEVELS DURING OPERATION

Broadband (dBA) sound pressure levels were calculated for expected normal Project operation assuming that all components identified previously are operating continuously and concurrently at the representative manufacturer-rated sound levels. The sound energy was then summed and weighted to determine the L_{eq} and L_{dn} at a point of reception. A sound contour plot displaying broadband (dBA) sound levels (L_{dn}) presented as color-coded isopleths is provided in Figure 1. The sound contours are graphical representations of the cumulative noise associated with full operation of the equipment and show how operational noise will be distributed over the surrounding area. Results from acoustic modeling are projected 5-dBA increments on scaled Project aerial. Results are independent of the existing acoustic environment, representative of Project-generated sound levels only. The sound contour isopleths are plotted at a height of 1.52 m above ground level, about the height of the ears of a standing person. The contour isopleths are analogous to elevation contours on a topographic map, i.e., the noise contours are continuous lines of equal noise level around some source, or sources, of noise.

Modeling results can be seen in Table A-2 in Appendix A and shows that the highest noise levels resulting from Project operations at a residential location will be 45 dBA L_{eq}/L_{max} and 52 dBA L_{dn} at NSA R-58, and at a non-residential location will be 39 dBA L_{eq}/L_{max} and 45 dBA L_{dn} at NSA C-1 (Nall Cemetery), and thus under the U.S. EPA sound level criterion of 55 dBA L_{dn} at all NSAs. In addition, the highest sound level experienced at the Project's Property Boundary will be 56 dBA L_{eq}/L_{max}, with an L_{dn} of 63 dBA. This Property Boundary location is located at the southwestern portion of the Project site and approximately 1,040 feet from the nearest NSA to this location, which is NSA R-56. For reference, the operational noise level at NSA R-56 will be 41 L_{eq}/L_{max} and 47 L_{dn}.

In addition, all operational sound results shown above and in Table A-2 were calculated with the assumption that all equipment would operate at their maximum load throughout the daytime and nighttime periods. However, actual sound impacts will likely be lower as the inverters will not operate at full load during the nighttime period. Overall, sound emissions associated with the Project are expected to remain at a low level, consistent with other solar energy facilities of similar size and design sited in Kentucky.



Mayfield Solar
Graves County, Kentucky

Figure 1: Received Sound Levels (Overview)

LEGEND

- Project Boundary
- Project Fence Line
- Substation
- 2,000 Foot Buffer
- Inverter Skid
- Residence
- Masonic Lodge
- Cemetery
- Fire Station
- Church
- Boundary Receptor (Loudest Boundary Point)

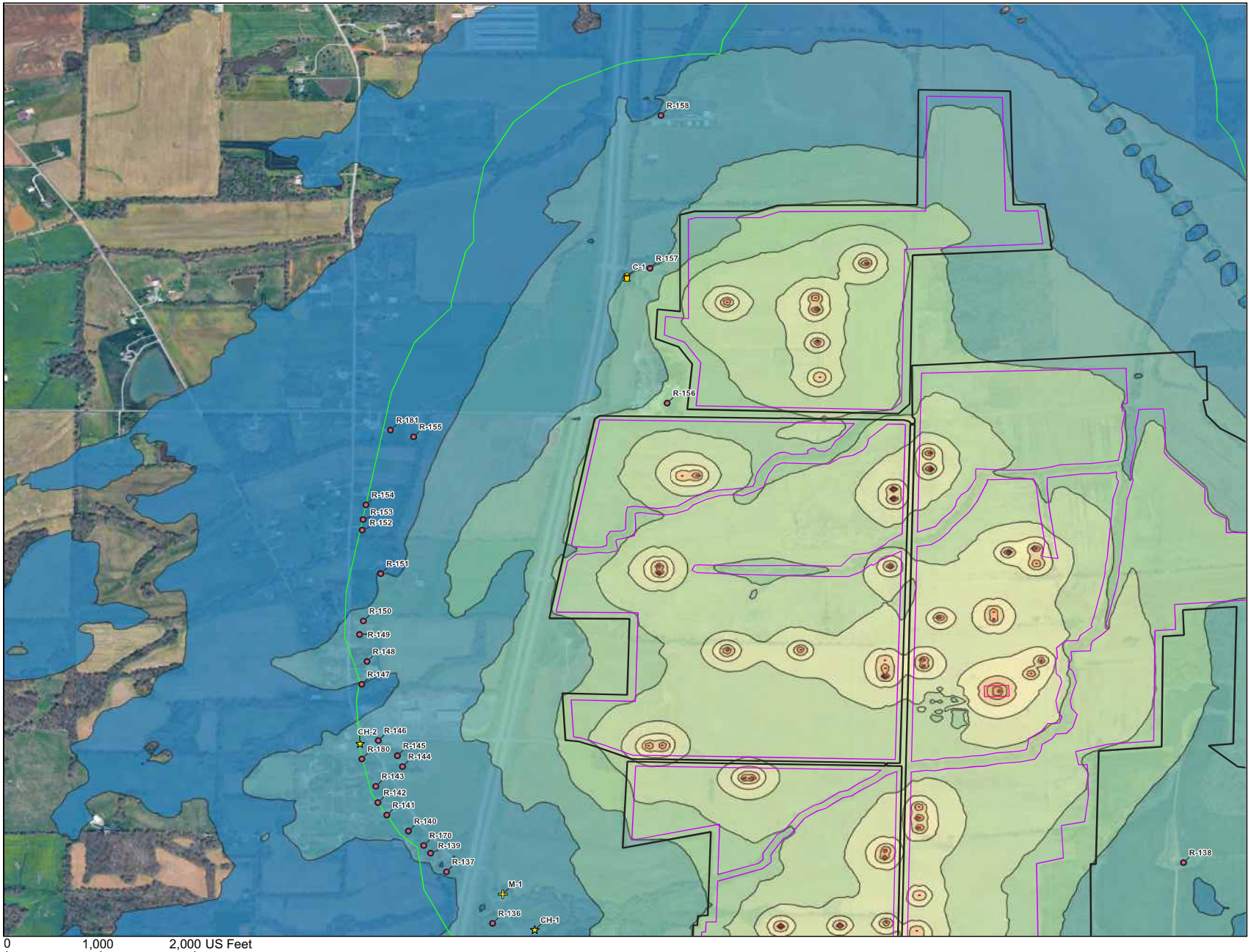
Received Sound Levels (dBA Ldn)

- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 - 90

Data Sources:
Google Aerial Imagery

Prepared for: MYSO, LLC
Prepared by: Tetra Tech





Mayfield Solar
Graves County, Kentucky

Figure 1: Received Sound Levels (Zoomed-A)

LEGEND

- Project Boundary
- Project Fence Line
- Substation
- 2,000 Foot Buffer
- Inverter Skid
- Residence
- Masonic Lodge
- Cemetery
- Fire Station
- Church
- Boundary Receptor (Loudest Boundary Point)

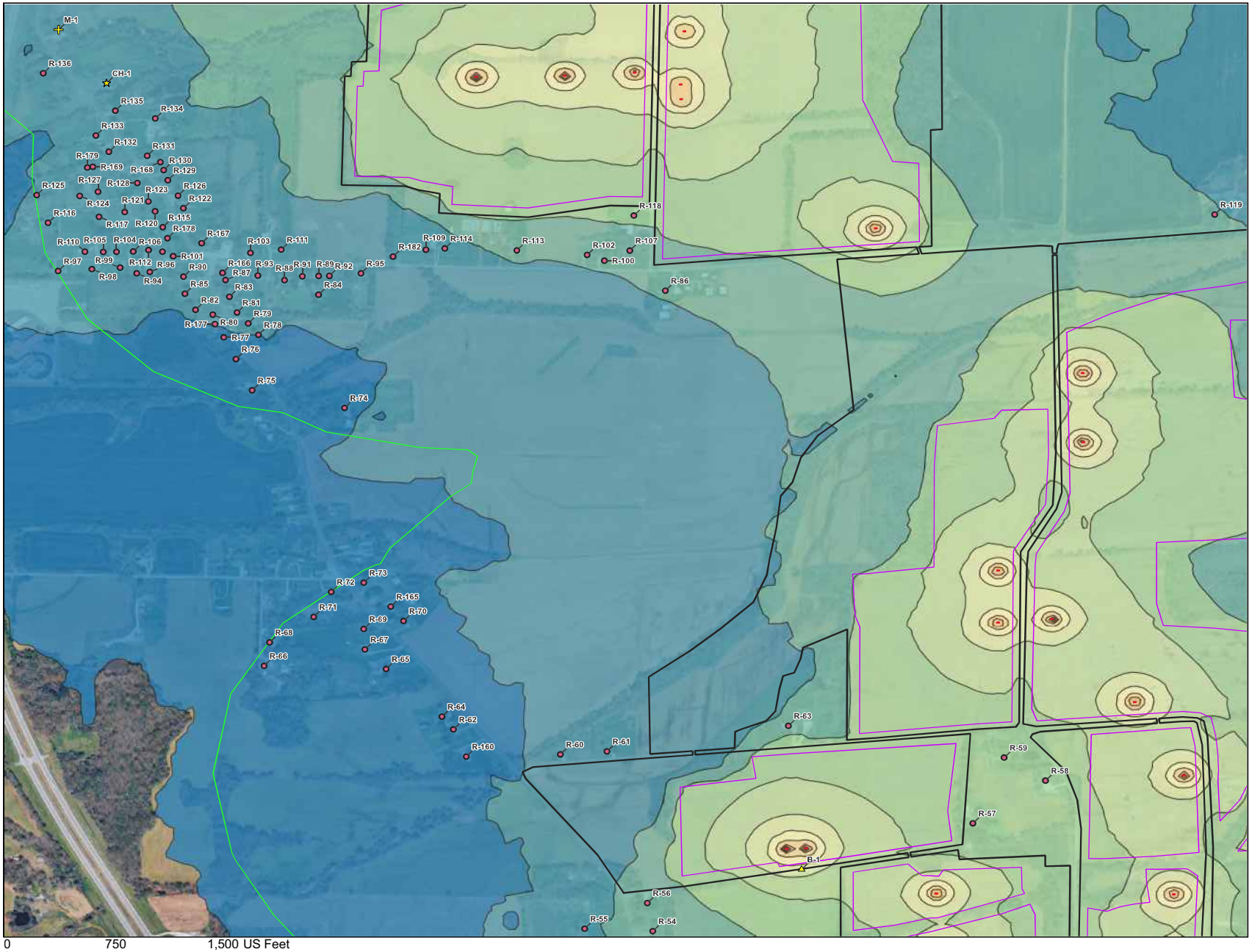
Received Sound Levels (dBA Ldn)

- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 - 90

Data Sources:
Google Aerial Imagery

Prepared for: MYSO, LLC
Prepared by: Tetra Tech





Mayfield Solar
Graves County, Kentucky

Figure 1: Received Sound Levels (Zoomed-B)

LEGEND

- Project Boundary
- Project Fence Line
- Substation
- 2,000 Foot Buffer
- Inverter Skid
- Residence
- Masonic Lodge
- Cemetery
- Fire Station
- Church
- Boundary Receptor (Loudest Boundary Point)

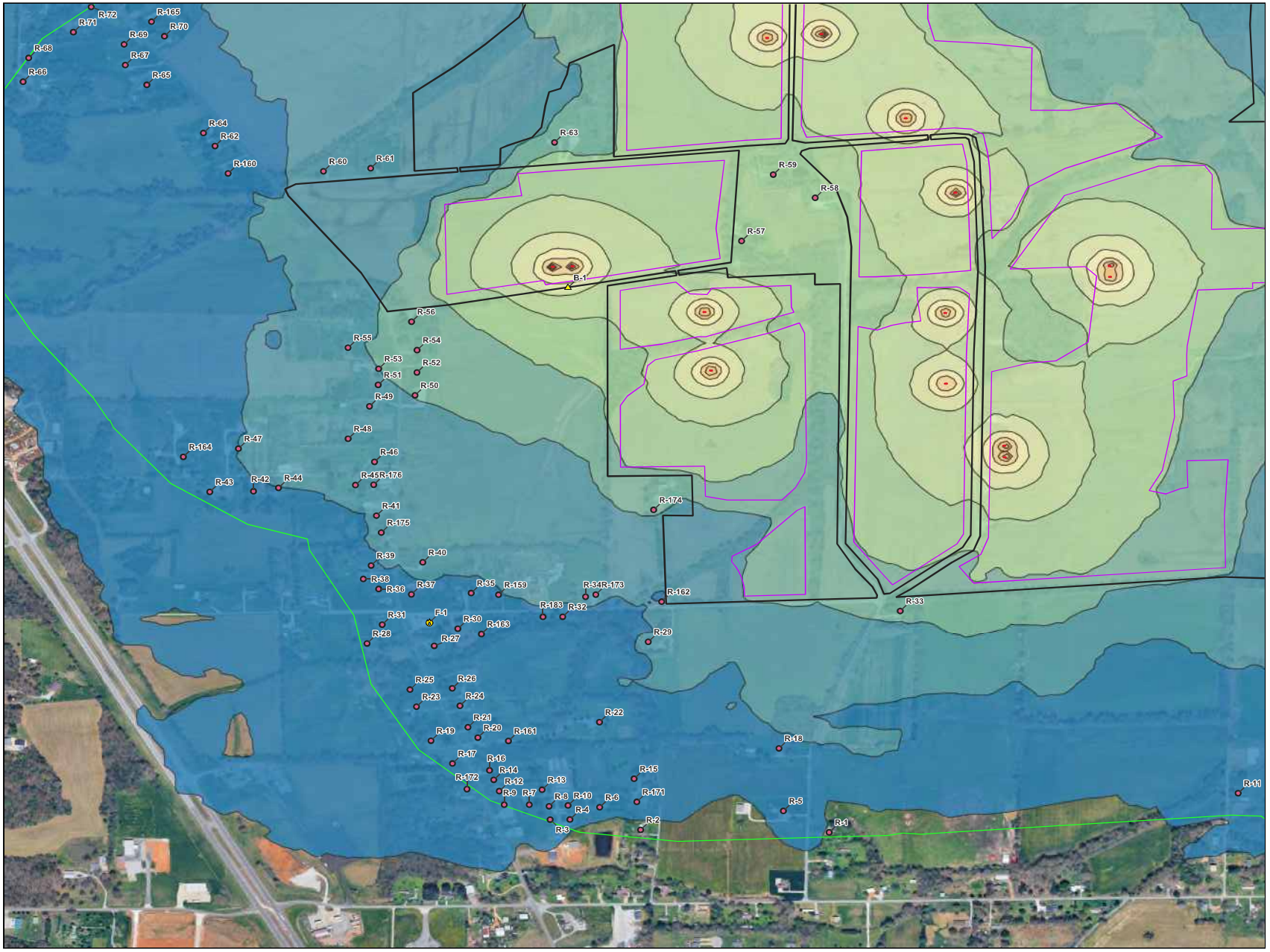
Received Sound Levels (dBA Ldn)

- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 - 90

Data Sources:
Google Aerial Imagery

Prepared for: MYSO, LLC
Prepared by: Tetra Tech





Mayfield Solar
Graves County, Kentucky

Figure 1: Received Sound Levels (Zoomed-C)

LEGEND

- Project Boundary
- Project Fence Line
- Substation
- 2,000 Foot Buffer
- Inverter Skid
- Residence
- Masonic Lodge
- Cemetery
- Fire Station
- Church
- Boundary Receptor (Loudest Boundary Point)

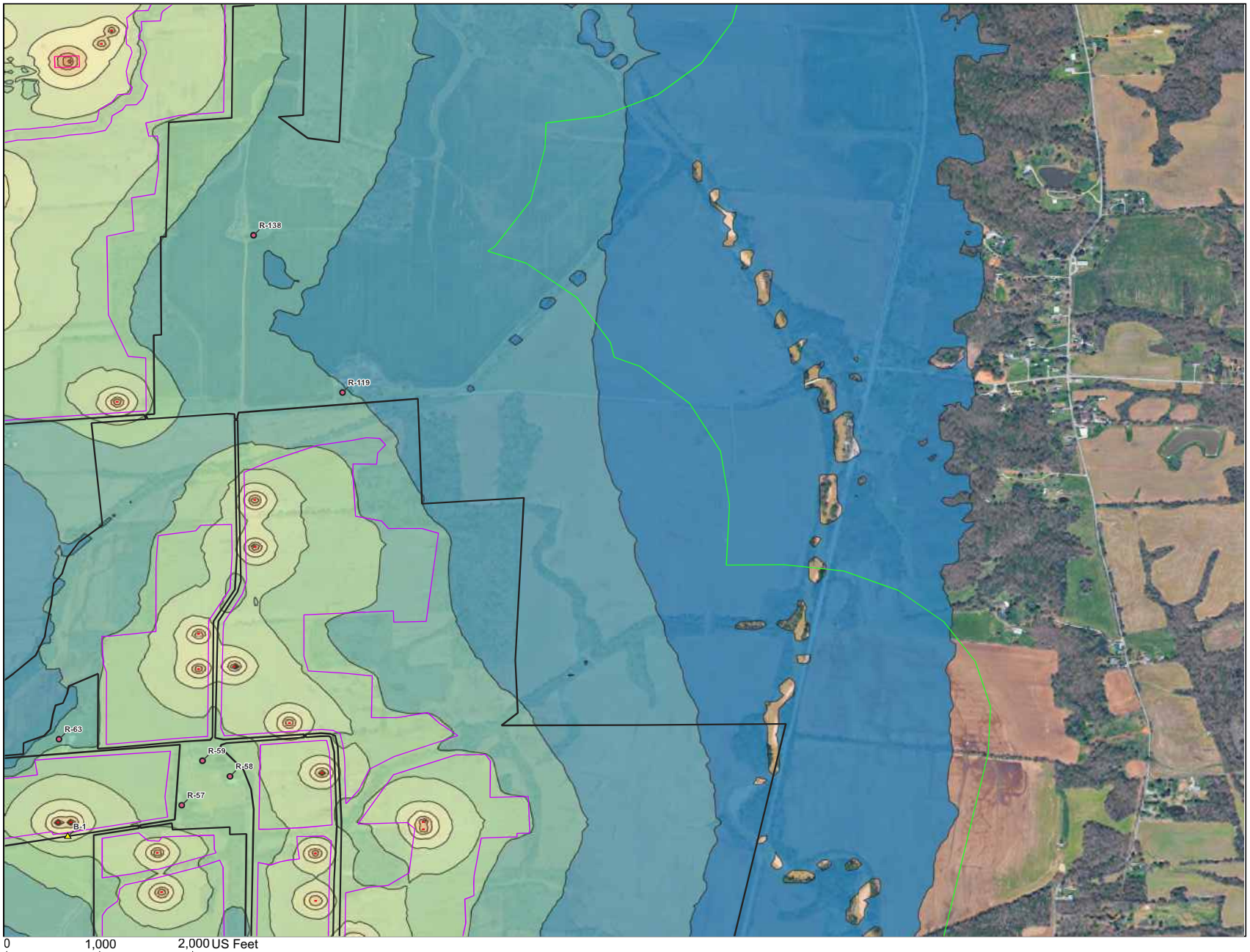
Received Sound Levels (dBA Ldn)

- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 - 90

Data Sources:
Google Aerial Imagery

Prepared for: MYSO, LLC
Prepared by: Tetra Tech





0 1,000 2,000 US Feet

Mayfield Solar
Graves County, Kentucky

Figure 1: Received Sound Levels (Zoomed-D)

LEGEND

- Project Boundary
- Project Fence Line
- Substation
- 2,000 Foot Buffer
- Inverter Skid
- Residence
- Masonic Lodge
- Cemetery
- Fire Station
- Church
- Boundary Receptor (Loudest Boundary Point)

Received Sound Levels (dBA Ldn)

- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 - 90

Data Sources:
Google Aerial Imagery

Prepared for: MYSO, LLC
Prepared by: Tetra Tech



6.0 CONCLUSIONS

Tetra Tech completed a detailed acoustic assessment of the proposed Mayfield Solar Project, located in Graves County, Kentucky. The assessment included an evaluation of Project sound contribution to the surrounding area during construction and operation phases.

The construction noise assessment indicated that construction noise will be periodically audible at offsite locations; however, that noise will be temporary and minimized to the extent practicable through implementation of best management practices and noise mitigation measures as identified in section 4.3. Traffic noise generated during construction on and offsite will also add to overall sound levels but will be intermittent and short-term.

Operational sound levels were modeled and evaluated at the closest NSAs to the Project area. Anticipated Project sound sources consist of the collector substation main power transformer and inverter skids. Modeling results show that noise levels resulting from Project operations will be under the U.S. EPA sound level criterion of 55 dBA L_{dn}. Overall, sound emissions associated with the Project are expected to remain at a low level, consistent with other solar energy facilities of similar size and design sited in the State of Kentucky.

7.0 REFERENCES

DataKustik GmbH 2024. Computer-Aided Noise Abatement Model CadnaA, Version 2024 [64 Bit]. Munich, Germany, 2017.

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ISO 1993. Standard ISO 9613-1 Acoustics – Attenuation of Sound during Propagation Outdoors. Part 1 General Calculation of the Absorption of Sound by the Atmosphere. Geneva, Switzerland.

ISO 1996. Standard ISO 9613-2 Acoustics – Attenuation of Sound during Propagation Outdoors. Part 2 General Method of Calculation. International Organization for Standardization. Geneva, Switzerland.

USEPA. 1974. Information on Levels of Environmental Noise Requisite to Protect the Public Health and Welfare with an Adequate Margin of Safety, Publication EPA-550/9-74-004, March.

APPENDIX A. DETAILED ACOUSTIC MODELING RESULTS

Table A-1. Detailed Construction Acoustic Modeling Results

NSA ID	UTM Coordinates (meters) Zone 16N		Distance to Fence Line (feet)	Site Preparation, Grading, and Excavation (With Pile-driving)		Site Preparation, Grading, and Excavation (Without Pile-driving)		Distance to Closest Panel (feet)	Panel Construction		Distance to Closest Inverter (feet)	Inverter Construction		Distance to Substation Area (feet)	Substation Construction	
	Easting	Northing		Peak (dBA, L_{max})	Average (dBA, L_{eq})	Peak (dBA, L_{max})	Average (dBA, L_{eq})		Peak (dBA, L_{max})	Average (dBA, L_{eq})		Peak (dBA, L_{max})	Average (dBA, L_{eq})		Peak (dBA, L_{max})	Average (dBA, L_{eq})
R-1	352401	4080292	2,008	69	62	56	52	2,079	69	62	3,340	65	58	14,333	52	45
R-2	352034	4080305	2,075	69	62	55	51	2,169	68	61	3,884	63	56	14,231	52	45
R-3	351859	4080334	2,252	68	61	55	51	2,344	68	61	3,908	63	56	14,134	52	45
R-4	351898	4080334	2,184	68	62	55	51	2,278	68	61	3,876	63	56	14,133	52	45
R-5	352313	4080349	1,815	61	63	61	53	1,883	60	63	3,284	56	58	14,124	43	45
R-6	351956	4080364	2,002	69	62	56	52	2,098	69	62	3,735	64	57	14,034	52	45
R-7	351819	4080373	2,229	68	61	55	51	2,318	68	61	3,825	63	57	14,009	52	45
R-8	351858	4080368	2,163	68	62	55	51	2,254	68	61	3,801	64	57	14,021	52	45
R-9	351771	4080374	2,330	68	61	54	50	2,417	67	61	3,876	63	56	14,011	52	45
R-10	351894	4080370	2,090	69	62	55	51	2,183	68	61	3,764	64	57	14,015	52	45
R-11	353197	4080379	1,899	70	63	56	52	1,961	69	62	3,186	65	58	14,527	52	45
R-12	351761	4080409	2,267	68	61	55	51	2,352	68	61	3,780	64	57	13,898	52	45
R-13	351845	4080411	2,079	69	62	55	51	2,168	68	61	3,680	64	57	13,882	52	45
R-14	351751	4080438	2,224	68	61	55	51	2,306	68	61	3,703	64	57	13,803	52	45

NSA ID	UTM Coordinates (meters) Zone 16N		Distance to Fence Line (feet)	Site Preparation, Grading, and Excavation (With Pile-driving)		Site Preparation, Grading, and Excavation (Without Pile-driving)		Distance to Closest Panel (feet)	Panel Construction		Distance to Closest Inverter (feet)	Inverter Construction		Distance to Substation Area (feet)	Substation Construction	
	Easting	Northing		Peak (dBA, L_{max})	Average (dBA, L_{eq})	Peak (dBA, L_{max})	Average (dBA, L_{eq})		Peak (dBA, L_{max})	Average (dBA, L_{eq})		Peak (dBA, L_{max})	Average (dBA, L_{eq})		Peak (dBA, L_{max})	Average (dBA, L_{eq})
R-15	352024	4080436	1,690	71	64	57	53	1,787	70	63	3,463	64	57	13,800	52	45
R-16	351744	4080462	2,190	68	62	55	51	2,270	68	61	3,640	64	57	13,724	52	45
R-17	351672	4080481	2,335	68	61	54	50	2,411	67	61	3,686	64	57	13,675	52	45
R-18	352307	4080509	1,288	73	66	60	56	1,356	72	66	2,831	66	59	13,597	52	46
R-19	351631	4080540	2,340	68	61	54	50	2,409	67	61	3,581	64	57	13,491	53	46
R-20	351722	4080547	2,076	69	62	55	51	2,149	68	62	3,419	64	57	13,451	53	46
R-21	351704	4080574	2,081	69	62	55	51	2,150	68	62	3,369	65	58	13,367	53	46
R-22	351959	4080582	1,407	72	65	59	55	1,494	72	65	3,035	65	59	13,318	53	46
R-23	351604	4080628	2,290	68	61	55	51	2,349	68	61	3,386	65	58	13,211	53	46
R-24	351689	4080629	2,036	69	62	56	52	2,099	69	62	3,234	65	58	13,188	53	46
R-25	351593	4080672	2,274	68	61	55	51	2,328	68	61	3,291	65	58	13,070	53	46
R-26	351675	4080674	2,019	69	62	56	52	2,076	69	62	3,133	65	58	13,043	53	46
R-27	351642	4080784	1,916	70	63	56	52	2,029	69	62	2,902	66	59	12,692	53	46
R-28	351511	4080792	2,194	68	62	55	51	2,297	68	61	3,165	65	58	12,704	53	46
R-29	352058	4080787	725	78	71	65	61	796	77	70	2,311	68	61	12,652	53	46

NSA ID	UTM Coordinates (meters) Zone 16N		Distance to Fence Line (feet)	Site Preparation, Grading, and Excavation (With Pile-driving)		Site Preparation, Grading, and Excavation (Without Pile-driving)		Distance to Closest Panel (feet)	Panel Construction		Distance to Closest Inverter (feet)	Inverter Construction		Distance to Substation Area (feet)	Substation Construction	
	Easting	Northing		Peak (dBA, L_{max})	Average (dBA, L_{eq})	Peak (dBA, L_{max})	Average (dBA, L_{eq})		Peak (dBA, L_{max})	Average (dBA, L_{eq})		Peak (dBA, L_{max})	Average (dBA, L_{eq})		Peak (dBA, L_{max})	Average (dBA, L_{eq})
R-30	351688	4080827	1,711	71	64	57	53	1,824	70	63	2,697	67	60	12,541	53	46
R-31	351542	4080840	2,017	69	62	56	52	2,118	69	62	2,984	66	59	12,538	53	46
R-32	351893	4080854	1,173	74	67	60	56	1,210	73	67	2,269	68	61	12,427	53	46
R-33	352549	4080857	226	88	81	75	71	333	85	78	1,446	72	65	12,547	53	46
R-34	351938	4080904	977	75	69	62	58	1,039	75	68	2,056	69	62	12,261	53	46
R-35	351716	4080918	1,425	72	65	59	55	1,535	71	64	2,408	67	61	12,238	53	46
R-36	351536	4080931	1,852	70	63	56	52	1,943	69	62	2,795	66	59	12,241	53	46
R-37	351600	4080916	1,710	71	64	57	53	1,809	70	63	2,673	67	60	12,270	53	46
R-38	351507	4080957	1,891	70	63	56	52	1,977	69	62	2,817	66	59	12,166	53	46
R-39	351523	4080992	1,793	70	63	57	53	1,875	70	63	2,708	66	60	12,049	53	47
R-40	351623	4080998	1,494	72	65	58	54	1,584	71	64	2,435	67	60	11,996	54	47
R-41	351535	4081119	1,609	71	64	58	54	1,669	71	64	2,369	68	61	11,628	54	47
R-42	351297	4081186	2,065	69	62	55	51	2,119	69	62	2,677	67	60	11,525	54	47
R-43	351212	4081186	2,247	68	61	55	51	2,300	68	61	2,885	66	59	11,580	54	47
R-44	351346	4081194	1,950	69	63	56	52	2,004	69	62	2,545	67	60	11,472	54	47

NSA ID	UTM Coordinates (meters) Zone 16N		Distance to Fence Line (feet)	Site Preparation, Grading, and Excavation (With Pile-driving)		Site Preparation, Grading, and Excavation (Without Pile-driving)		Distance to Closest Panel (feet)	Panel Construction		Distance to Closest Inverter (feet)	Inverter Construction		Distance to Substation Area (feet)	Substation Construction	
	Easting	Northing		Peak (dBA, L_{max})	Average (dBA, L_{eq})	Peak (dBA, L_{max})	Average (dBA, L_{eq})		Peak (dBA, L_{max})	Average (dBA, L_{eq})		Peak (dBA, L_{max})	Average (dBA, L_{eq})		Peak (dBA, L_{max})	Average (dBA, L_{eq})
R-45	351496	4081198	1,697	71	64	57	53	1,738	70	63	2,218	68	61	11,386	54	47
R-46	351534	4081257	1,482	72	65	58	54	1,534	71	64	1,989	69	62	11,179	54	47
R-47	351270	4081296	1,857	70	63	56	52	1,910	69	63	2,513	67	60	11,188	54	47
R-48	351484	4081317	1,368	72	66	59	55	1,422	72	65	1,940	69	62	11,004	54	47
R-49	351527	4081400	1,063	75	68	61	57	1,117	74	67	1,648	71	64	10,717	55	48
R-50	351615	4081427	873	76	70	63	59	924	76	69	1,385	72	65	10,598	55	48
R-51	351544	4081455	878	76	70	63	59	932	76	69	1,484	72	65	10,532	55	48
R-52	351620	4081485	684	78	72	65	61	735	78	71	1,233	73	66	10,405	55	48
R-53	351546	4081496	762	78	71	64	60	816	77	70	1,395	72	65	10,397	55	48
R-54	351622	4081542	506	81	74	68	64	559	80	73	1,105	74	67	10,218	55	48
R-55	351488	4081551	773	77	71	64	60	824	77	70	1,464	72	65	10,243	55	48
R-56	351612	4081615	322	85	78	72	68	375	84	77	1,004	75	68	9,983	55	48
R-57	352257	4081811	151	92	85	78	74	334	85	78	616	79	72	9,326	56	49
R-58	352402	4081919	290	86	79	72	69	345	84	77	874	76	69	9,029	56	49
R-59	352321	4081980	300	86	79	72	68	515	81	74	958	75	69	8,795	56	49

NSA ID	UTM Coordinates (meters) Zone 16N		Distance to Fence Line (feet)	Site Preparation, Grading, and Excavation (With Pile-driving)		Site Preparation, Grading, and Excavation (Without Pile-driving)		Distance to Closest Panel (feet)	Panel Construction		Distance to Closest Inverter (feet)	Inverter Construction		Distance to Substation Area (feet)	Substation Construction	
	Easting	Northing		Peak (dBA, L_{max})	Average (dBA, L_{eq})	Peak (dBA, L_{max})	Average (dBA, L_{eq})		Peak (dBA, L_{max})	Average (dBA, L_{eq})		Peak (dBA, L_{max})	Average (dBA, L_{eq})		Peak (dBA, L_{max})	Average (dBA, L_{eq})
R-60	351448	4082004	823	77	70	63	59	879	76	69	1,660	71	64	8,796	56	49
R-61	351539	4082010	563	80	73	67	63	628	79	72	1,418	72	65	8,727	56	49
R-62	351238	4082073	1,545	71	65	58	54	1,600	71	64	2,372	68	61	8,729	56	49
R-63	351898	4082070	239	88	81	74	70	345	84	77	1,042	75	68	8,436	57	50
R-64	351216	4082106	1,652	71	64	57	53	1,709	70	64	2,487	67	60	8,642	56	49
R-65	351108	4082232	2,150	69	62	55	51	2,212	68	61	2,998	66	59	8,354	57	50
R-66	350868	4082244	2,880	66	59	53	49	2,937	66	59	3,710	64	57	8,604	56	49
R-67	351067	4082283	2,351	68	61	54	50	2,414	67	61	3,202	65	58	8,239	57	50
R-68	350880	4082305	2,926	66	59	52	48	2,985	66	59	3,767	64	57	8,406	57	50
R-69	351066	4082336	2,449	67	61	54	50	2,514	67	60	3,303	65	58	8,078	57	50
R-70	351145	4082356	2,280	68	61	55	51	2,348	68	61	3,136	65	58	7,930	57	50
R-71	350968	4082369	2,777	66	60	53	49	2,841	66	59	3,630	64	57	8,096	57	50
R-72	351004	4082434	2,801	66	59	53	49	2,868	66	59	3,658	64	57	7,856	57	50
R-73	351068	4082456	2,685	67	60	53	49	2,754	66	59	3,541	64	57	7,707	57	50
R-74	351038	4082911	1,866	70	63	56	52	1,924	69	62	2,936	66	59	6,389	59	52

NSA ID	UTM Coordinates (meters) Zone 16N		Distance to Fence Line (feet)	Site Preparation, Grading, and Excavation (With Pile-driving)		Site Preparation, Grading, and Excavation (Without Pile-driving)		Distance to Closest Panel (feet)	Panel Construction		Distance to Closest Inverter (feet)	Inverter Construction		Distance to Substation Area (feet)	Substation Construction	
	Easting	Northing		Peak (dBA, L_{max})	Average (dBA, L_{eq})	Peak (dBA, L_{max})	Average (dBA, L_{eq})		Peak (dBA, L_{max})	Average (dBA, L_{eq})		Peak (dBA, L_{max})	Average (dBA, L_{eq})		Peak (dBA, L_{max})	Average (dBA, L_{eq})
R-75	350857	4082959	1,939	69	63	56	52	2,054	69	62	3,027	65	59	6,547	59	52
R-76	350827	4083041	1,735	70	64	57	53	1,849	70	63	2,851	66	59	6,379	59	52
R-77	350804	4083098	1,611	71	64	58	54	1,724	70	63	2,743	66	59	6,271	59	52
R-78	350872	4083103	1,486	72	65	58	54	1,601	71	64	2,599	67	60	6,127	59	52
R-79	350852	4083133	1,429	72	65	59	55	1,542	71	64	2,555	67	60	6,083	59	52
R-80	350783	4083157	1,493	72	65	58	54	1,602	71	64	2,635	67	60	6,156	59	52
R-81	350831	4083162	1,387	72	66	59	55	1,498	72	65	2,522	67	60	6,048	59	53
R-82	350749	4083170	1,533	71	65	58	54	1,640	71	64	2,678	67	60	6,191	59	52
R-83	350817	4083203	1,306	73	66	59	55	1,416	72	65	2,449	67	60	5,969	60	53
R-84	350992	4083205	1,035	75	68	61	57	1,149	74	67	2,107	69	62	5,629	60	53
R-85	350729	4083212	1,484	72	65	58	54	1,586	71	64	2,626	67	60	6,126	59	52
R-86	351675	4083204	270	87	80	73	69	466	82	75	1,449	72	65	4,790	62	55
R-87	350810	4083246	1,215	73	67	60	56	1,321	73	66	2,359	68	61	5,871	60	53
R-88	350926	4083244	994	75	68	62	58	1,107	74	67	2,118	69	62	5,647	60	53
R-89	350993	4083254	880	76	69	63	59	994	75	68	1,968	69	62	5,494	60	53

NSA ID	UTM Coordinates (meters) Zone 16N		Distance to Fence Line (feet)	Site Preparation, Grading, and Excavation (With Pile-driving)		Site Preparation, Grading, and Excavation (Without Pile-driving)		Distance to Closest Panel (feet)	Panel Construction		Distance to Closest Inverter (feet)	Inverter Construction		Distance to Substation Area (feet)	Substation Construction	
	Easting	Northing		Peak (dBA, L_{max})	Average (dBA, L_{eq})	Peak (dBA, L_{max})	Average (dBA, L_{eq})		Peak (dBA, L_{max})	Average (dBA, L_{eq})		Peak (dBA, L_{max})	Average (dBA, L_{eq})		Peak (dBA, L_{max})	Average (dBA, L_{eq})
R-90	350727	4083257	1,398	72	65	59	55	1,496	72	65	2,533	67	60	6,019	60	53
R-91	350961	4083253	916	76	69	62	58	1,031	75	68	2,026	69	62	5,555	60	53
R-92	351014	4083254	863	76	70	63	59	977	75	68	1,932	69	62	5,456	60	53
R-93	350874	4083257	1,052	75	68	61	57	1,162	74	67	2,193	68	61	5,715	60	53
R-94	350635	4083267	1,633	71	64	57	53	1,722	70	63	2,748	66	59	6,197	59	52
R-95	351077	4083259	825	77	70	63	59	895	76	69	1,822	70	63	5,331	61	54
R-96	350661	4083270	1,555	71	65	58	54	1,646	71	64	2,674	67	60	6,132	59	52
R-97	350481	4083276	2,079	69	62	55	51	2,158	68	61	3,156	65	58	6,536	59	52
R-98	350547	4083279	1,873	70	63	56	52	1,956	69	62	2,964	66	59	6,370	59	52
R-99	350603	4083282	1,704	71	64	57	53	1,789	70	63	2,806	66	59	6,235	59	52
R-100	351557	4083284	375	84	77	70	66	556	80	73	1,454	72	65	4,620	62	55
R-101	350708	4083310	1,356	73	66	59	55	1,445	72	65	2,472	67	60	5,931	60	53
R-102	351523	4083299	464	82	75	68	64	497	81	74	1,451	72	65	4,603	62	55
R-103	350860	4083316	938	76	69	62	58	1,042	75	68	2,081	69	62	5,590	60	53
R-104	350596	4083323	1,668	71	64	57	53	1,747	70	63	2,750	66	59	6,153	59	52

NSA ID	UTM Coordinates (meters) Zone 16N		Distance to Fence Line (feet)	Site Preparation, Grading, and Excavation (With Pile-driving)		Site Preparation, Grading, and Excavation (Without Pile-driving)		Distance to Closest Panel (feet)	Panel Construction		Distance to Closest Inverter (feet)	Inverter Construction		Distance to Substation Area (feet)	Substation Construction	
	Easting	Northing		Peak (dBA, L_{max})	Average (dBA, L_{eq})	Peak (dBA, L_{max})	Average (dBA, L_{eq})		Peak (dBA, L_{max})	Average (dBA, L_{eq})		Peak (dBA, L_{max})	Average (dBA, L_{eq})		Peak (dBA, L_{max})	Average (dBA, L_{eq})
R-105	350570	4083323	1,748	70	64	57	53	1,825	70	63	2,823	66	59	6,214	59	52
R-106	350629	4083324	1,568	71	64	58	54	1,649	71	64	2,658	67	60	6,076	59	53
R-107	351607	4083309	212	89	82	75	71	375	84	77	1,325	73	66	4,499	62	55
R-108	350687	4083322	1,398	72	65	59	55	1,484	72	65	2,504	67	60	5,949	60	53
R-109	351206	4083318	421	83	76	69	65	479	82	75	1,500	72	65	4,950	61	54
R-110	350534	4083325	1,858	70	63	56	52	1,933	69	62	2,923	66	59	6,297	59	52
R-111	350921	4083323	785	77	70	64	60	895	76	69	1,927	69	62	5,448	60	53
R-112	350659	4083327	1,473	72	65	58	54	1,556	71	64	2,570	67	60	6,000	60	53
R-113	351385	4083313	365	84	77	70	66	444	82	75	1,494	72	65	4,711	62	55
R-114	351243	4083321	378	84	77	70	66	428	82	76	1,468	72	65	4,885	61	54
R-115	350689	4083386	1,314	73	66	59	55	1,389	72	65	2,385	68	61	5,795	60	53
R-116	350463	4083401	2,021	69	62	56	52	2,082	69	62	3,022	66	59	6,305	59	52
R-117	350564	4083415	1,688	71	64	57	53	1,750	70	63	2,702	66	60	6,026	60	53
R-118	351617	4083400	160	91	84	78	74	308	85	78	1,030	75	68	4,202	63	56
R-119	352761	4083383	607	80	73	66	62	786	77	70	1,588	71	64	4,822	61	55

NSA ID	UTM Coordinates (meters) Zone 16N		Distance to Fence Line (feet)	Site Preparation, Grading, and Excavation (With Pile-driving)		Site Preparation, Grading, and Excavation (Without Pile-driving)		Distance to Closest Panel (feet)	Panel Construction		Distance to Closest Inverter (feet)	Inverter Construction		Distance to Substation Area (feet)	Substation Construction	
	Easting	Northing		Peak (dBA, L_{max})	Average (dBA, L_{eq})	Peak (dBA, L_{max})	Average (dBA, L_{eq})		Peak (dBA, L_{max})	Average (dBA, L_{eq})		Peak (dBA, L_{max})	Average (dBA, L_{eq})		Peak (dBA, L_{max})	Average (dBA, L_{eq})
R-120	350674	4083427	1,324	73	66	59	55	1,389	72	65	2,359	68	61	5,733	60	53
R-121	350614	4083426	1,517	72	65	58	54	1,580	71	64	2,536	67	60	5,878	60	53
R-122	350730	4083434	1,140	74	67	61	57	1,207	73	67	2,187	68	61	5,586	60	53
R-123	350661	4083453	1,351	73	66	59	55	1,410	72	65	2,359	68	61	5,705	60	53
R-124	350526	4083470	1,785	70	63	57	53	1,836	70	63	2,745	66	59	6,000	60	53
R-125	350442	4083473	2,061	69	62	55	51	2,111	69	62	3,003	66	59	6,209	59	52
R-126	350720	4083467	1,153	74	67	60	56	1,211	73	67	2,165	68	61	5,534	60	53
R-127	350563	4083480	1,664	71	64	57	53	1,714	70	63	2,622	67	60	5,888	60	53
R-128	350640	4083501	1,406	72	65	59	55	1,453	72	65	2,359	68	61	5,649	60	53
R-129	350701	4083507	1,208	74	67	60	56	1,254	73	66	2,168	68	61	5,489	60	53
R-130	350693	4083534	1,235	73	67	60	56	1,274	73	66	2,159	68	61	5,449	60	53
R-131	350661	4083572	1,345	73	66	59	55	1,377	72	65	2,219	68	61	5,447	60	53
R-132	350586	4083583	1,593	71	64	58	54	1,624	71	64	2,448	67	60	5,614	60	53
R-133	350561	4083626	1,680	71	64	57	53	1,703	70	64	2,498	67	60	5,594	60	53
R-134	350679	4083668	1,299	73	66	59	55	1,319	73	66	2,094	69	62	5,203	61	54

NSA ID	UTM Coordinates (meters) Zone 16N		Distance to Fence Line (feet)	Site Preparation, Grading, and Excavation (With Pile-driving)		Site Preparation, Grading, and Excavation (Without Pile-driving)		Distance to Closest Panel (feet)	Panel Construction		Distance to Closest Inverter (feet)	Inverter Construction		Distance to Substation Area (feet)	Substation Construction	
	Easting	Northing		Peak (dBA, L_{max})	Average (dBA, L_{eq})	Peak (dBA, L_{max})	Average (dBA, L_{eq})		Peak (dBA, L_{max})	Average (dBA, L_{eq})		Peak (dBA, L_{max})	Average (dBA, L_{eq})		Peak (dBA, L_{max})	Average (dBA, L_{eq})
R-135	350600	4083689	1,559	71	65	58	54	1,581	71	64	2,340	68	61	5,367	61	54
R-136	350460	4083789	1,715	70	64	57	53	1,823	70	63	2,709	66	60	5,576	60	53
R-137	350327	4083991	1,842	70	63	56	52	1,922	69	63	2,523	67	60	5,677	60	53
R-138	352508	4083989	1,091	74	68	61	57	1,186	74	67	2,469	67	60	2,687	66	60
R-139	350282	4084064	1,958	69	63	56	52	2,025	69	62	2,508	67	60	5,731	60	53
R-140	350218	4084151	1,999	69	62	56	52	2,221	68	61	2,560	67	60	5,846	60	53
R-141	350155	4084214	2,066	69	62	55	51	2,316	68	61	2,679	67	60	5,993	60	53
R-142	350129	4084263	2,074	69	62	55	51	2,338	68	61	2,715	66	59	6,039	59	53
R-143	350125	4084326	2,018	69	62	56	52	2,295	68	61	2,687	67	60	6,016	60	53
R-144	350205	4084401	1,702	71	64	57	53	1,990	69	62	2,394	68	61	5,718	60	53
R-145	350190	4084444	1,726	70	64	57	53	2,021	69	62	2,432	67	60	5,747	60	53
R-146	350135	4084503	1,895	70	63	56	52	2,197	68	61	2,615	67	60	5,910	60	53
R-147	350089	4084722	2,043	69	62	56	52	2,243	68	61	2,882	66	59	6,041	59	53
R-148	350107	4084810	1,939	69	63	56	52	2,078	69	62	2,925	66	59	5,997	60	53
R-149	350087	4084915	1,928	69	63	56	52	2,056	69	62	3,003	66	59	6,096	59	52

NSA ID	UTM Coordinates (meters) Zone 16N		Distance to Fence Line (feet)	Site Preparation, Grading, and Excavation (With Pile-driving)		Site Preparation, Grading, and Excavation (Without Pile-driving)		Distance to Closest Panel (feet)	Panel Construction		Distance to Closest Inverter (feet)	Inverter Construction		Distance to Substation Area (feet)	Substation Construction	
	Easting	Northing		Peak (dBA, L_{max})	Average (dBA, L_{eq})	Peak (dBA, L_{max})	Average (dBA, L_{eq})		Peak (dBA, L_{max})	Average (dBA, L_{eq})		Peak (dBA, L_{max})	Average (dBA, L_{eq})		Peak (dBA, L_{max})	Average (dBA, L_{eq})
R-150	350099	4084967	1,872	70	63	56	52	1,994	69	62	2,926	66	59	6,080	59	52
R-151	350153	4085149	1,760	70	63	57	53	1,807	70	63	2,693	67	60	6,027	60	53
R-152	350102	4085319	2,032	69	62	56	52	2,057	69	62	2,906	66	59	6,352	59	52
R-153	350105	4085360	2,047	69	62	55	52	2,074	69	62	2,921	66	59	6,387	59	52
R-154	350114	4085417	2,051	69	62	55	51	2,071	69	62	2,938	66	59	6,426	59	52
R-155	350260	4085678	1,743	70	64	57	53	1,773	70	63	2,644	67	60	6,378	59	52
R-156	351012	4085795	224	88	81	75	71	344	84	77	931	76	69	4,731	62	55
R-157	350970	4086318	372	84	77	70	66	405	83	76	855	76	70	6,220	59	52
R-158	351013	4086910	1,344	73	66	59	55	1,470	72	65	2,454	67	60	7,900	57	50
R-159	351769	4080912	1,326	73	66	59	55	1,441	72	65	2,313	68	61	12,246	53	46
R-160	351262	4082002	1,406	72	65	59	55	1,454	72	65	2,205	68	61	8,934	56	49
R-161	351782	4080537	1,937	69	63	56	52	2,015	69	62	3,365	65	58	13,474	53	46
R-162	352086	4080889	531	81	74	67	63	567	80	73	1,963	69	62	12,317	53	46
R-163	351734	4080812	1,661	71	64	57	53	1,748	70	63	2,647	67	60	12,580	53	46
R-164	351163	4081277	2,166	68	62	55	51	2,218	68	61	2,839	66	59	11,323	54	47

NSA ID	UTM Coordinates (meters) Zone 16N		Distance to Fence Line (feet)	Site Preparation, Grading, and Excavation (With Pile-driving)		Site Preparation, Grading, and Excavation (Without Pile-driving)		Distance to Closest Panel (feet)	Panel Construction		Distance to Closest Inverter (feet)	Inverter Construction		Distance to Substation Area (feet)	Substation Construction	
	Easting	Northing		Peak (dBA, L_{max})	Average (dBA, L_{eq})	Peak (dBA, L_{max})	Average (dBA, L_{eq})		Peak (dBA, L_{max})	Average (dBA, L_{eq})		Peak (dBA, L_{max})	Average (dBA, L_{eq})		Peak (dBA, L_{max})	Average (dBA, L_{eq})
R-165	351120	4082393	2,421	67	61	54	50	2,489	67	60	3,277	65	58	7,840	57	50
R-166	350804	4083265	1,186	74	67	60	56	1,289	73	66	2,329	68	61	5,835	60	53
R-167	350764	4083343	1,141	74	67	61	57	1,231	73	66	2,259	68	61	5,727	60	53
R-168	350687	4083555	1,258	73	66	60	56	1,293	73	66	2,156	68	62	5,419	60	53
R-169	350554	4083545	1,694	71	64	57	53	1,731	70	63	2,583	67	60	5,776	60	53
R-170	350262	4084094	2,003	69	62	56	52	2,081	69	62	2,513	67	60	5,761	60	53
R-171	352028	4080377	1,862	70	63	56	52	1,959	69	62	3,654	64	57	13,995	52	45
R-172	351699	4080415	2,402	68	61	54	50	2,483	67	60	3,842	63	56	13,887	52	45
R-173	351958	4080909	910	76	69	63	59	972	75	68	2,015	69	62	12,244	53	46
R-174	352074	4081125	350	84	78	71	67	385	83	76	1,220	73	66	11,543	54	47
R-175	351544	4081076	1,622	71	64	58	54	1,691	71	64	2,482	67	60	11,767	54	47
R-176	351531	4081199	1,581	71	64	58	54	1,623	71	64	2,153	68	62	11,371	54	47
R-177	350787	4083132	1,549	71	65	58	54	1,659	71	64	2,688	67	60	6,212	59	52
R-178	350697	4083357	1,320	73	66	59	55	1,401	72	65	2,412	67	61	5,843	60	53
R-179	350543	4083543	1,729	70	64	57	53	1,767	70	63	2,619	67	60	5,807	60	53

NSA ID	UTM Coordinates (meters) Zone 16N		Distance to Fence Line (feet)	Site Preparation, Grading, and Excavation (With Pile-driving)		Site Preparation, Grading, and Excavation (Without Pile-driving)		Distance to Closest Panel (feet)	Panel Construction		Distance to Closest Inverter (feet)	Inverter Construction		Distance to Substation Area (feet)	Substation Construction	
	Easting	Northing		Peak (dBA, L_{max})	Average (dBA, L_{eq})	Peak (dBA, L_{max})	Average (dBA, L_{eq})		Peak (dBA, L_{max})	Average (dBA, L_{eq})		Peak (dBA, L_{max})	Average (dBA, L_{eq})		Peak (dBA, L_{max})	Average (dBA, L_{eq})
R-180	350085	4084433	2,074	69	62	55	51	2,369	68	61	2,779	66	59	6,095	59	52
R-181	350192	4085705	1,978	69	62	56	52	2,007	69	62	2,880	66	59	6,615	59	52
R-182	351141	4083301	585	80	73	66	62	648	79	72	1,613	71	64	5,103	61	54
R-183	351854	4080854	1,290	73	66	60	56	1,334	73	66	2,325	68	61	12,428	53	46
CH-1 (Folsomdale Church)	350584	4083761	1,480	72	65	58	54	1,525	71	64	2,318	68	61	5,220	61	54
CH-2 (Liberty Church)	350081	4084491	2,074	69	62	55	51	2,372	68	61	2,789	66	59	6,090	59	52
M-1 (Masonic Lodge)	350492	4083902	1,424	72	65	59	55	1,526	71	65	2,349	68	61	5,305	61	54
C-1 (Nall Cemetery)	350901	4086286	597	80	73	66	62	630	79	72	1,014	75	68	6,244	59	52
F-1 (Fire Department)	351634	4080844	1,785	70	63	57	53	1,857	70	63	2,729	66	59	12,471	53	46
Loudest Property Boundary Location			50	101	94	88	84	70	98	91	108	94	88	740	78	71

Table A-2. Detailed Operational Acoustic Modeling Results

NSA ID	UTM Coordinates (meters), Zone 16N		Distance to Project Boundary (feet)	Distance to Nearest Project Infrastructure (feet)	Received L_{dn} (dBA)	Received L_{eq}/L_{max} (dBA)
	Easting	Northing				
R-1	352401	4080292	1,960	2,079	35	28
R-2	352034	4080305	1,909	2,169	34	27
R-3	351859	4080334	1,961	2,344	36	30
R-4	351898	4080334	1,916	2,278	37	30
R-5	352313	4080349	1,769	1,883	37	31
R-6	351956	4080364	1,764	2,098	37	31
R-7	351819	4080373	1,903	2,318	37	30
R-8	351858	4080368	1,860	2,254	37	30
R-9	351771	4080374	1,981	2,417	36	30
R-10	351894	4080370	1,808	2,183	37	30
R-11	353197	4080379	1,814	1,961	36	29
R-12	351761	4080409	1,902	2,352	37	30
R-13	351845	4080411	1,753	2,168	37	30
R-14	351751	4080438	1,844	2,306	37	30
R-15	352024	4080436	1,486	1,787	38	32
R-16	351744	4080462	1,798	2,270	37	30
R-17	351672	4080481	1,914	2,411	37	30
R-18	352307	4080509	1,242	1,356	40	33
R-19	351631	4080540	1,891	2,409	37	30
R-20	351722	4080547	1,646	2,149	37	31
R-21	351704	4080574	1,636	2,150	37	31
R-22	351959	4080582	1,083	1,494	39	32
R-23	351604	4080628	1,813	2,349	37	31

NSA ID	UTM Coordinates (meters), Zone 16N		Distance to Project Boundary (feet)	Distance to Nearest Project Infrastructure (feet)	Received L_{dn} (dBA)	Received L_{eq}/L_{max} (dBA)
	Easting	Northing				
R-24	351689	4080629	1,570	2,099	38	31
R-25	351593	4080672	1,786	2,328	38	31
R-26	351675	4080674	1,538	2,076	38	31
R-27	351642	4080784	1,521	2,029	38	32
R-28	351511	4080792	1,937	2,297	38	32
R-29	352058	4080787	340	796	40	34
R-30	351688	4080827	1,345	1,824	39	32
R-31	351542	4080840	1,819	2,118	39	32
R-32	351893	4080854	669	1,210	39	32
R-33	352549	4080857	117	333	46	39
R-34	351938	4080904	512	1,039	41	34
R-35	351716	4080918	1,241	1,535	40	33
R-36	351536	4080931	1,742	1,943	40	33
R-37	351600	4080916	1,599	1,809	39	32
R-38	351507	4080957	1,782	1,977	40	33
R-39	351523	4080992	1,685	1,875	40	33
R-40	351623	4080998	1,384	1,584	41	34
R-41	351535	4081119	1,511	1,669	40	34
R-42	351297	4081186	1,736	2,119	40	33
R-43	351212	4081186	1,894	2,300	39	32
R-44	351346	4081194	1,638	2,004	40	33
R-45	351496	4081198	1,474	1,738	41	34
R-46	351534	4081257	1,268	1,534	42	35
R-47	351270	4081296	1,494	1,910	40	33

NSA ID	UTM Coordinates (meters), Zone 16N		Distance to Project Boundary (feet)	Distance to Nearest Project Infrastructure (feet)	Received L_{dn} (dBA)	Received L_{eq}/L_{max} (dBA)
	Easting	Northing				
R-48	351484	4081317	1,100	1,422	42	36
R-49	351527	4081400	806	1,117	44	37
R-50	351615	4081427	723	924	45	39
R-51	351544	4081455	620	932	45	38
R-52	351620	4081485	534	735	46	39
R-53	351546	4081496	485	816	45	38
R-54	351622	4081542	348	559	47	40
R-55	351488	4081551	394	824	44	38
R-56	351612	4081615	107	375	47	41
R-57	352257	4081811	57	334	52	45
R-58	352402	4081919	149	345	52	45
R-59	352321	4081980	229	515	51	44
R-60	351448	4082004	90	879	41	34
R-61	351539	4082010	85	628	42	35
R-62	351238	4082073	575	1,600	39	33
R-63	351898	4082070	141	345	49	42
R-64	351216	4082106	702	1,709	39	33
R-65	351108	4082232	1,243	2,212	39	32
R-66	350868	4082244	1,899	2,937	39	32
R-67	351067	4082283	1,458	2,414	39	32
R-68	350880	4082305	1,972	2,985	39	32
R-69	351066	4082336	1,592	2,514	39	32
R-70	351145	4082356	1,498	2,348	39	33
R-71	350968	4082369	1,888	2,841	39	32

NSA ID	UTM Coordinates (meters), Zone 16N		Distance to Project Boundary (feet)	Distance to Nearest Project Infrastructure (feet)	Received L_{dn} (dBA)	Received L_{eq}/L_{max} (dBA)
	Easting	Northing				
R-72	351004	4082434	1,969	2,868	39	32
R-73	351068	4082456	1,910	2,754	39	33
R-74	351038	4082911	1,767	1,924	39	32
R-75	350857	4082959	1,841	2,054	38	32
R-76	350827	4083041	1,632	1,849	39	32
R-77	350804	4083098	1,504	1,724	39	33
R-78	350872	4083103	1,385	1,601	40	33
R-79	350852	4083133	1,324	1,542	41	34
R-80	350783	4083157	1,382	1,602	41	34
R-81	350831	4083162	1,279	1,498	41	35
R-82	350749	4083170	1,422	1,640	41	35
R-83	350817	4083203	1,196	1,416	42	35
R-84	350992	4083205	946	1,149	41	35
R-85	350729	4083212	1,372	1,586	42	35
R-86	351675	4083204	224	466	46	39
R-87	350810	4083246	1,103	1,321	43	36
R-88	350926	4083244	890	1,107	42	36
R-89	350993	4083254	789	994	42	36
R-90	350727	4083257	1,286	1,496	42	36
R-91	350961	4083253	818	1,031	42	36
R-92	351014	4083254	778	977	42	35
R-93	350874	4083257	942	1,162	43	36
R-94	350635	4083267	1,522	1,722	42	35
R-95	351077	4083259	719	895	42	36

NSA ID	UTM Coordinates (meters), Zone 16N		Distance to Project Boundary (feet)	Distance to Nearest Project Infrastructure (feet)	Received L_{dn} (dBA)	Received L_{eq}/L_{max} (dBA)
	Easting	Northing				
R-96	350661	4083270	1,444	1,646	42	35
R-97	350481	4083276	1,973	2,158	41	34
R-98	350547	4083279	1,766	1,956	41	34
R-99	350603	4083282	1,595	1,789	41	35
R-100	351557	4083284	322	556	46	39
R-101	350708	4083310	1,245	1,445	42	36
R-102	351523	4083299	386	497	46	39
R-103	350860	4083316	825	1,042	43	37
R-104	350596	4083323	1,562	1,747	41	35
R-105	350570	4083323	1,642	1,825	41	35
R-106	350629	4083324	1,461	1,649	41	35
R-107	351607	4083309	159	375	46	40
R-108	350687	4083322	1,289	1,484	42	35
R-109	351206	4083318	323	479	44	37
R-110	350534	4083325	1,753	1,933	41	34
R-111	350921	4083323	675	895	43	37
R-112	350659	4083327	1,365	1,556	42	35
R-113	351385	4083313	286	444	48	41
R-114	351243	4083321	299	428	44	37
R-115	350689	4083386	1,210	1,389	42	35
R-116	350463	4083401	1,924	2,082	41	34
R-117	350564	4083415	1,591	1,750	41	34
R-118	351617	4083400	81	308	51	44
R-119	352761	4083383	150	786	45	39

NSA ID	UTM Coordinates (meters), Zone 16N		Distance to Project Boundary (feet)	Distance to Nearest Project Infrastructure (feet)	Received L_{dn} (dBA)	Received L_{eq}/L_{max} (dBA)
	Easting	Northing				
R-120	350674	4083427	1,226	1,389	42	36
R-121	350614	4083426	1,420	1,580	42	35
R-122	350730	4083434	1,041	1,207	43	36
R-123	350661	4083453	1,257	1,410	42	36
R-124	350526	4083470	1,695	1,836	41	34
R-125	350442	4083473	1,972	2,111	40	34
R-126	350720	4083467	1,061	1,211	43	36
R-127	350563	4083480	1,575	1,714	41	34
R-128	350640	4083501	1,320	1,453	42	36
R-129	350701	4083507	1,123	1,254	43	36
R-130	350693	4083534	1,152	1,274	43	36
R-131	350661	4083572	1,261	1,377	43	36
R-132	350586	4083583	1,510	1,624	42	35
R-133	350561	4083626	1,596	1,703	42	35
R-134	350679	4083668	1,216	1,319	44	37
R-135	350600	4083689	1,475	1,581	41	34
R-136	350460	4083789	1,586	1,823	42	35
R-137	350327	4083991	1,737	1,922	41	34
R-138	352508	4083989	850	1,186	47	41
R-139	350282	4084064	1,865	2,025	41	34
R-140	350218	4084151	1,911	2,221	40	34
R-141	350155	4084214	1,977	2,316	41	35
R-142	350129	4084263	1,985	2,338	42	35
R-143	350125	4084326	1,930	2,295	42	35

NSA ID	UTM Coordinates (meters), Zone 16N		Distance to Project Boundary (feet)	Distance to Nearest Project Infrastructure (feet)	Received L_{dn} (dBA)	Received L_{eq}/L_{max} (dBA)
	Easting	Northing				
R-144	350205	4084401	1,616	1,990	42	36
R-145	350190	4084444	1,642	2,021	42	36
R-146	350135	4084503	1,814	2,197	42	35
R-147	350089	4084722	1,951	2,243	40	33
R-148	350107	4084810	1,852	2,078	42	35
R-149	350087	4084915	1,852	2,056	42	35
R-150	350099	4084967	1,803	1,994	42	35
R-151	350153	4085149	1,709	1,807	41	34
R-152	350102	4085319	1,980	2,057	39	32
R-153	350105	4085360	1,995	2,074	39	32
R-154	350114	4085417	2,000	2,071	39	32
R-155	350260	4085678	1,691	1,773	39	33
R-156	351012	4085795	173	344	51	44
R-157	350970	4086318	291	405	45	38
R-158	351013	4086910	1,262	1,470	41	35
R-159	351769	4080912	1,067	1,441	40	33
R-160	351262	4082002	386	1,454	40	33
R-161	351782	4080537	1,531	2,015	37	30
R-162	352086	4080889	29	567	40	34
R-163	351734	4080812	1,205	1,748	39	32
R-164	351163	4081277	1,785	2,218	36	30
R-165	351120	4082393	1,645	2,489	39	33
R-166	350804	4083265	1,073	1,289	43	36
R-167	350764	4083343	1,031	1,231	43	36

NSA ID	UTM Coordinates (meters), Zone 16N		Distance to Project Boundary (feet)	Distance to Nearest Project Infrastructure (feet)	Received L_{dn} (dBA)	Received L_{eq}/L_{max} (dBA)
	Easting	Northing				
R-168	350687	4083555	1,175	1,293	43	36
R-169	350554	4083545	1,610	1,731	41	35
R-170	350262	4084094	1,918	2,081	40	34
R-171	352028	4080377	1,677	1,959	38	31
R-172	351699	4080415	2,011	2,483	36	30
R-173	351958	4080909	447	972	41	34
R-174	352074	4081125	76	385	46	39
R-175	351544	4081076	1,519	1,691	40	34
R-176	351531	4081199	1,460	1,623	41	35
R-177	350787	4083132	1,439	1,659	40	33
R-178	350697	4083357	1,213	1,401	42	35
R-179	350543	4083543	1,646	1,767	41	35
R-180	350085	4084433	1,990	2,369	41	35
R-181	350192	4085705	1,927	2,007	39	32
R-182	351141	4083301	474	648	43	36
R-183	351854	4080854	794	1,334	39	33
CH-1 (Folsomdale Church)	350584	4083761	1,345	1,525	42	36
CH-2 (Liberty Church)	350081	4084491	1,992	2,372	42	35
M-1 (Masonic Lodge)	350492	4083902	1,303	1,526	42	36
C-1 (Nall Cemetery)	350901	4086286	509	630	45	39

NSA ID	UTM Coordinates (meters), Zone 16N		Distance to Project Boundary (feet)	Distance to Nearest Project Infrastructure (feet)	Received L_{dn} (dBA)	Received L_{eq}/L_{max} (dBA)
	Easting	Northing				
F-1 (Fire Department)	351634	4080844	1,516	1,857	39	32
Loudest Boundary Location					63	56

SAR Attachment E

TETRA TECH

MEMO

To:	MYSO, LLC
From:	Drew Timmis, Tetra Tech, Inc.
Date:	January 22, 2025
Subject:	Glint and Glare Analysis of the Mayfield Solar Project

At the request of MYSO, LLC ("Client"), Tetra Tech, Inc. ("Tetra Tech") conducted a glint and glare analysis of the proposed Mayfield Solar Project ("Project"). The proposed Project is an approximately 200 megawatts alternating current (MWac) ground-mounted solar system located within Graves County, Kentucky ("Project Site"). The Project Site is comprised of approximately 1,342-acres of primarily agricultural land. Topography throughout the Project Site is relatively flat with sloping areas, ranging from 385 to 432 feet above mean sea level (amsl).

This memorandum provides a description of potential glint and glare from solar energy generating components within a portion of the Project Site. This description is supported by the attached Figures (Attachment A), Sandia Laboratories Solar Glare Hazard Analysis Tool (SGHAT) reports (Attachment B), and the Federal Aviation Administration (FAA) Pre-Screening Tool Report (Attachment C).

GLARE ANALYSIS METHODOLOGY

With growing numbers of solar energy systems being proposed and installed throughout the United States, the potential impact of glint (a momentary flash of bright light) and glare (a continuous source of bright light) from solar photovoltaic modules has come under increasing review by aviation authorities. The FAA issued an Interim Policy (78 FR 63276) on October 23, 2013, describing methods for obtaining FAA review and approval of proposed solar arrays on airport property. These methods involved the use of the SGHAT, a modeling/compliance analysis tool now licensed for public use within the ForgeSolar GlareGauge cloud software application. The SGHAT is considered to be an industry best practice for analysis of glare and glint related to solar energy generating facilities and is required by the FAA under 78 FR 63276 to measure ocular impacts of solar projects located on federally obligated airports and is recommended for projects located near federally obligated airports.

The following statement was issued by Sandia Laboratories regarding the SGHAT technology:

> *"Sandia developed SGHAT v. 4.0, a web-based tool and methodology to evaluate potential glint/glare associated with solar energy installations. The validated tool provides a quantified assessment of when and where glare will occur, as well as information about potential ocular impacts. The calculations and methods are based on analyses, test data, a database of different photovoltaic module surfaces (e.g. anti-reflective coating, texturing), and models developed over several years at Sandia. The results are presented in a simple easy-to-interpret plot that specifies when glare will occur throughout the year, with color indicating the potential ocular hazard (Ho and Sim, 2017)."*

Note, however, that technology changes continue to occur to address issues such as reflectivity. The model, therefore, presents a conservative assessment based upon simplifying assumptions inherent in the model as well as industry improvements, since the most recent update of such assumptions.

Based on the predicted retinal irradiance (intensity) and subtended angle (size/distance) of the glare source to receptors, the ForgeSolar GlareGauge categorizes potential glare, where it is predicted by the model to occur, in accordance with the following three tiers of severity (ocular hazards) that are shown by different colors in the model output.

- Red glare: glare predicted with a potential for permanent eye damage (retinal burn)
- Yellow glare: glare predicted with a potential for temporary after-image
- Green glare: glare predicted with a low potential for temporary after-image

These categories of glare are calculated using a typical observer's blink response time, ocular transmission coefficient (i.e., the amount of radiation absorbed in the eye prior to reaching the retina), pupil diameter, and eye focal length (i.e., the distance between where rays intersect in the eye and the retina). As a point of comparison, direct viewing of the sun without a filter is considered to be on the border between yellow glare and red glare, while typical camera flashes are considered to be lower tier yellow glare and approximately three orders of magnitude less than direct viewing of the sun. Upon exposure to yellow glare, the observer may experience a temporary spot in their vision after the exposure. Upon exposure to green glare, the observer may experience a bright reflection but typically no spot lasting after exposure.

Based on this background, Tetra Tech has used the SGHAT as licensed for use in ForgeSolar GlareGauge cloud software application for modeling and analysis. ForgeSolar GlareGauge with SGHAT modeling provides a quantified assessment of when and where glare will occur, as well as information about potential ocular impacts.

The SGHAT was used to evaluate the potential for glint and glare for 35 modeled photovoltaic (PV) array areas when 1) driving along proximal segments of E Baldree Road, E Pittman Road, State Route 1241, State Route 849, Olden Road, Old Plant Road, US Highway 45, and Whittemore Road; and 2) 55 nearby locations selected to represent observer views at neighboring properties (OPs). Modeled PV Arrays and receptors are shown in the figures included as **Attachment A**. The Analyses were broken down to Southern Arrays (15 PV Arrays modeled in Analyses 1 and 2), and Northern Arrays (20 PV Arrays modeled in Analyses 3 and 4). The analysis reports are included as **Attachment B**.

The GlareGauge model does not consider obstacles (either man-made or natural) between the defined photovoltaic (PV) arrays and the receptors.Therefore, the ForgeSolar glare analysis tool was used to model obstructions. The "Obstruction" component simulates obstacles and blocking geometries that may mitigate PV glare. These obstructions are modeled as multi-line paths with vertical sides that extend upward from ground elevation. These obstructions are assumed to be opaque, with incoming sunlight and emanating glare reflections completely mitigated if they intersect with the obstructed face. The analyses used this tool to model existing tree lines (20 feet in height) for all analyses. Two tree lines (Treeline-1 and Treeline-2) were modeled and used to simulate obstructions to the receptors, using estimated heights based on street view data. Due to the limit of obstructions that can be modeled within an analysis (10 total obstructions), potential OPs and road receptors to be modeled were chosen based on their potential to view the Project without obstruction. The surrounding areas were reviewed using aerial and street imagery, with potential OPs and road receptors obstructed by vegetation (tree lines, forested area, dense shrubs) or topography not modeled in the analysis.

The FAA Pre-Screening Tool allows the user to determine if a proposed structure would require a formal submission to the FAA under Code of Federal Regulations (CFR) Title 14 Part 77.9 (Safe, Efficient Use, and Preservation of the Navigable Airspace). This online tool was utilized to determine if the proposed Project would require formal filing to the FAA. The FAA Pre-Screening Tool Report is provided as **Attachment C**.

The panels to be used on the proposed Project are smooth glass surface material with an anti-reflection coating (ARC), which is accounted for in the glare analysis. Three analyses were performed to simulate single-axis trackers with a 52° tilt and a resting angle of 5°. The analyses were conducted for a panel height of 5 feet above ground surface (centroid height) with applicable panel specifications. The panel orientation, location, and specifications used in the analysis were based on information provided by MYSO, LLC, dated November 17, 2025. The input features used in the analyses are summarized in Table 1 below. The analysis includes calculations to predict potential minutes of glare during the year at the following specified receptors:

- Viewing height of observer in standard commuter vehicle at 3.5 feet above ground surface (Analysis 1 and Analysis 3);
- Viewing height of observer in typical semi-tractor-trailer truck at 7.5 feet above ground surface (Analysis 2 and Analysis 4);

Table 1. Glare Analyses Input Features

Analysis No.	Racking Type	Module Orientation[1]	Tracking Angle (degrees)	Module Height[2] (feet)	OP Height[3] (feet)	Route Height[4] (feet)
1	Single Axis	East-West Tracking	52	5	6	3.5
2	Single Axis	East-West Tracking	52	5	16	7.5
3	Single Axis	East-West Tracking	52	5	6	14
4	Single Axis	East-West Tracking	52	5	16	7.5

1. Single-axis trackers, or SAT systems, follow the rotation of the sun along the east-west axis throughout the day. SAT arrays typically oriented with their axis of rotation aligned north-south.

2. Average module centroid height above ground surface.

3. Height of observation point receptor: 6 feet represents an average first floor residential/commercial point of view and 16 feet represents an average second floor residential/commercial point of view.

4. Height of vehicular route receptor: 3.5 feet represents typical commuter car height and 7.5 feet represents typical semi-tractor-trailer truck views.

GLARE ANALYSIS RESULTS

Glare Analysis Results

South Arrays Analyses 1 –1st Story

Analysis 1 analyzed 15 PV Array Areas (PV Array 1 through 15) for 55 first-story receptors (OP 1 through OP 55) and 9 proximal route receptors along modeled portions of E Baldree Road, E Pittman Road, State Route 1241 (KY-1241-1 and KY-1241-2), State Route 849, Olden Road, Old Plant Road, US Highway 45, and Whittemore Road from the height of a driver in a standard commuter vehicle. The SGHAT GlareGauge modeled the results for the Project (Attachment B). The simulation predicted no glare to any modeled receptors.

South Arrays Analyses 2 – 2nd Story

Analysis 2 analyzed 15 PV Array Areas for 55 second-story receptors (OP 1 through OP 55) and 9 proximal route receptors along modeled portions of E Baldree Road, E Pittman Road, State Route 1241 (KY-1241-1 and KY-1241-2), State Route 849, Olden Road, Old Plant Road, US Highway 45, and Whittemore Road from the height of a driver in a typical tractor trailer. The SGHAT GlareGauge modeled the results for the Project (Attachment B). The simulation predicted no glare to any modeled receptors.

North Arrays Analyses 3 – 1st Story

Analysis 3 analyzed 20 PV Array Areas (PV Array 16 through 35) for 55 first-story receptors and 9 proximal route receptors along modeled portions of E Baldree Road, E Pittman Road, State Route 1241 (KY-1241-1 and KY-1241-2), State Route 849, Olden Road, Old Plant Road, US Highway 45, and Whittemore Road from the height of a driver in a standard commuter vehicle. The SGHAT GlareGauge modeled the results for the Project (Attachment B). The simulation predicted no glare to any modeled receptors.

North Arrays Analyses 4 – 2nd Story

Analysis 3 analyzed 20 PV Array Areas for 55 first-story receptors and 9 proximal route receptors along modeled portions of E Baldree Road, E Pittman Road, State Route 1241 (KY-1241-1 and KY-1241-2), State Route 849, Olden Road, Old Plant Road, US Highway 45, and Whittemore Road from the height of a driver in a typical tractor trailer. The SGHAT GlareGauge modeled the results for the Project (Attachment B). The simulation predicted no glare to any modeled receptors.

FAA Pre-Screening Tool Analysis Results

Based on the results of the FAA Pre-Screening Tool, the Project does not exceed notice criteria and would not be required for the Project to be formally filed with the FAA Obstruction Evaluation Group (associated report provided as Attachment C).

SUMMARY

The Project Site layout was modeled on SGHAT GlareGauge to evaluate the potential extent of any glint and glare the proposed Project may have upon nearby points of observation and vehicle routes. Four analyses were performed: the analyses represented a single-axis tracking system with 52° tilt, panel specifications of smooth glass with ARC, and a resting angle of 5°. Analyses 1 and 2 modeled the southern portion of the Project Site below State Route 849, and Analyses 3 and 4 modeled the northern portion. Based on the results of the simulations the Project will not cause glare to the modeled receptors.

The GlareGauge model does not account for varying ambient conditions (i.e., cloudy days, precipitation), atmospheric attenuation, screening due to existing vegetation or structures unless specified through obstruction

modeling, and screening due to existing topography not located within the defined array layout. As such, the predicted results are considered conservative.

Lastly, based on the results of the FAA NCT, the Project does not exceed notice criteria; therefore, it would not be required for the Project to be formally filed with the FAA Obstruction Evaluation Group.

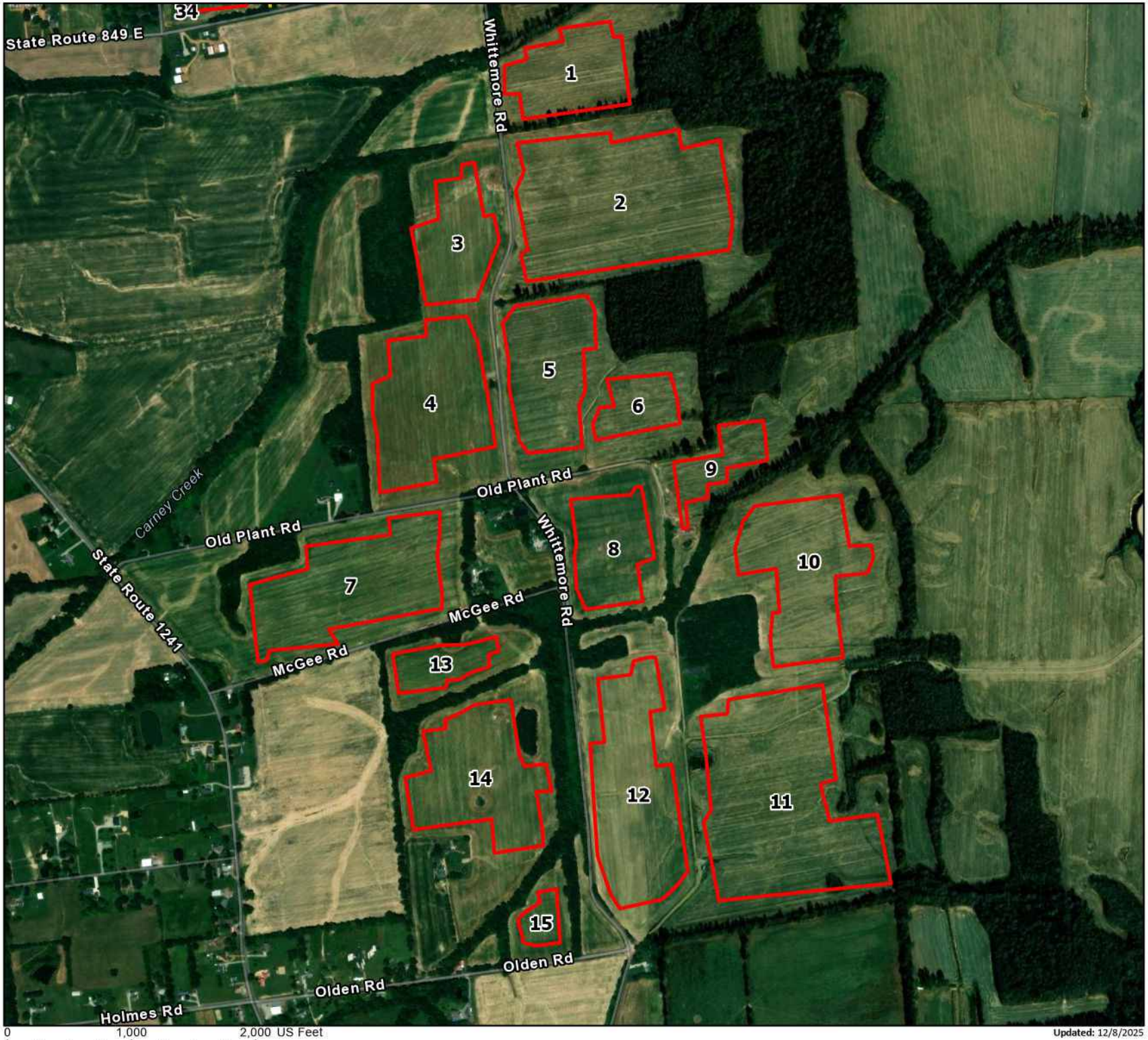
REFERENCES

Ho, Clifford L. and Sims, Cianan. "Solar Glare Hazard Analysis Tool v. 4.0.", Jan. 2017.

Sandia Solar Glare Hazard Analysis Tool, GlareGauge hosted by ForgeSolar. Accessed online https://www.forgesolar.com/.

Attachment A

Figures



Mayfield Solar
Graves County, KY

Figure 1
Southern PV Arrays

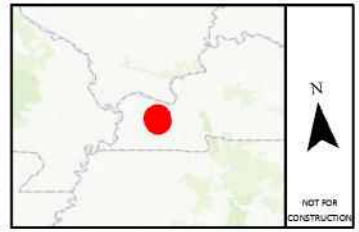
LEGEND

- PV Array Areas
- Modeled Treeline (20ft)

*Numbers represent PV Array Label

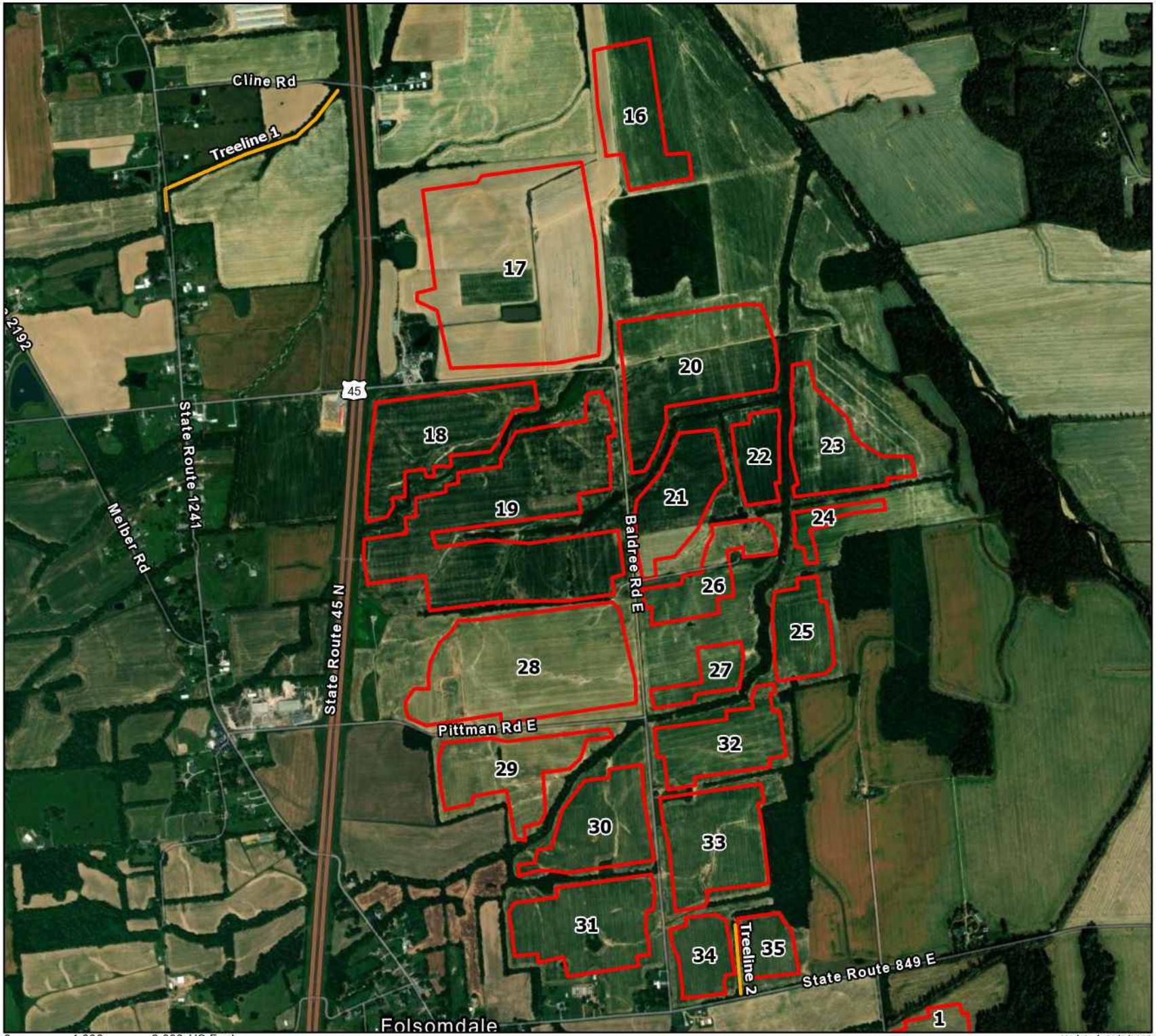
Prepared by: TETRA TECH

Prepared for: BRIGHTNIGHT



Updated: 12/8/2025

Spatial Reference
NAD 1983 2011 StatePlane Kansas South FIPS 1502 Ft US



Mayfield Solar
Graves County, KY

Figure 2
Northern PV Arrays

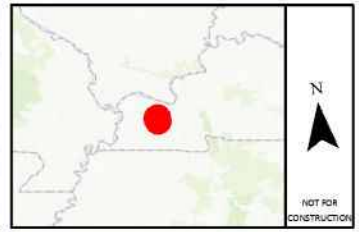
LEGEND

- PV Array Areas
- Modeled Treeline (20ft)

*Numbers represent PV Array Label

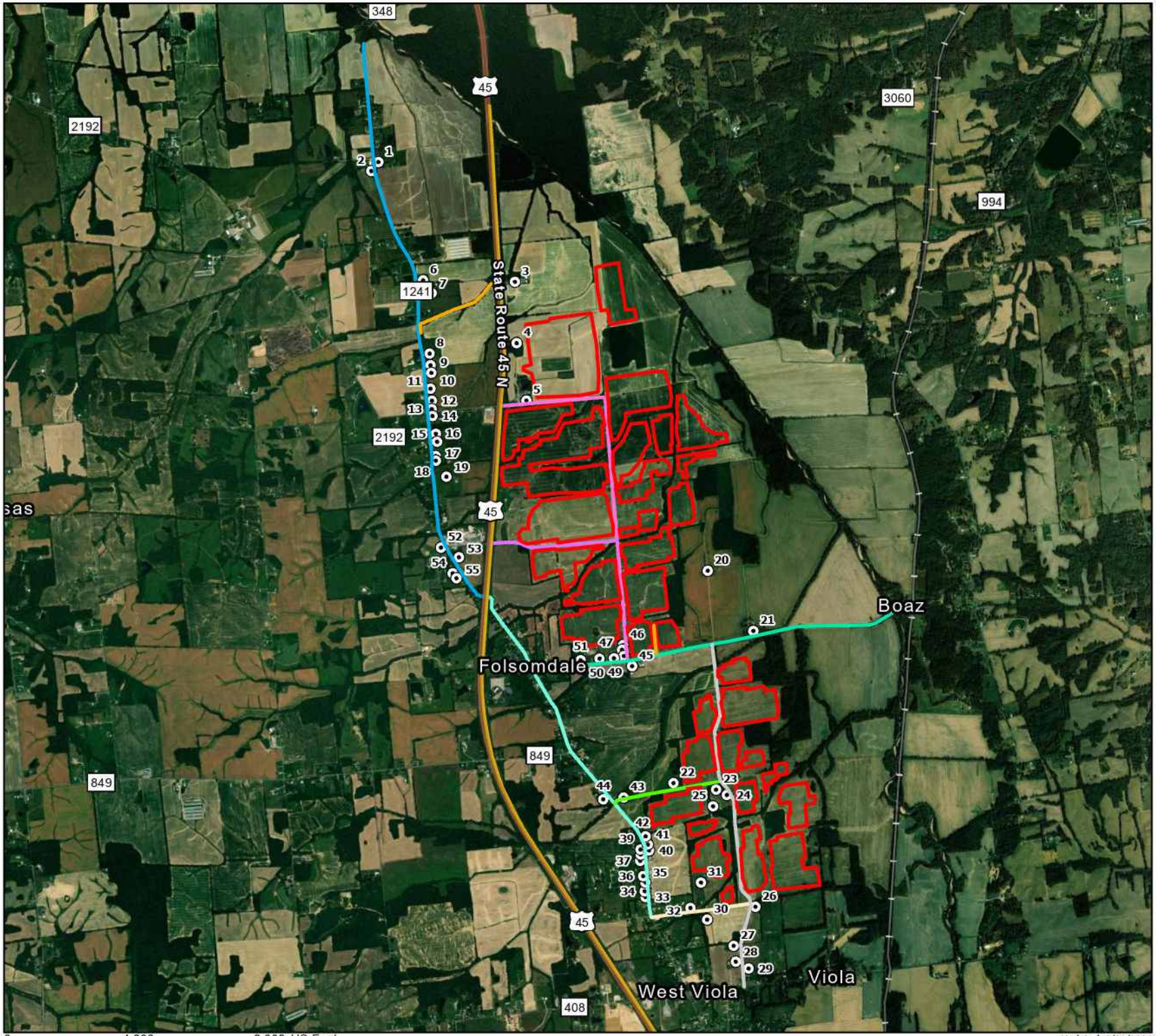
Prepared by: TETRA TECH

Prepared for: BRIGHTNIGHT



Updated: 12/8/2025

Spatial Reference
NAD 1983 2011 StatePlane Kansas South FIPS 1502 Ft US



Updated: 1/20/2026

Mayfield Solar
Graves County, KY

Figure 3
Glare Receptors

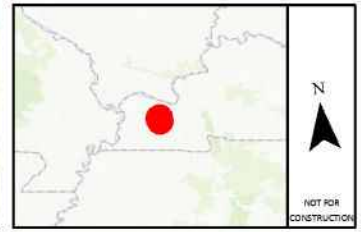
LEGEND

- PV Array Areas
- E Baldtree Road
- E Pittman Road
- KY-1241-1
- KY-1241-2
- KY-849
- Old Plant Road
- Olden Road
- US-45
- Whittemore Road
- Observation Points (OPs)
- Modeled Treeline (20ft)

*Numbers represent PV Array Label

Prepared by: TETRA TECH

Prepared for: BRIGHTNIGHT



Spatial Reference
NAD 1983 2011 StatePlane Kansas South FIPS 1502 Ft US

Attachment B

Glare Analysis Reports

FORGESOLAR GLARE ANALYSIS

Project: **Mayfield Solar**
Site configuration: **South Arrays Analysis 1- 1st Story**

Created 04 Dec, 2025
Updated 08 Dec, 2025
Time-step 1 minute
Timezone offset UTC-6
Minimum sun altitude 0.0 deg
DNI peaks at 1,000.0 W/m^2
Category 100 MW to 1 GW
Site ID 166419.27781

Ocular transmission coefficient 0.5
Pupil diameter 0.002 m
Eye focal length 0.017 m
Sun subtended angle 9.3 mrad
PV analysis methodology V2

Summary of Results No glare predicted

PV Array	Tilt	Orient	Annual Green Glare		Annual Yellow Glare		Energy
	°	°	min	hr	min	hr	kWh
PV array 1	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 10	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 11	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 12	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 13	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 14	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 15	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 2	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 3	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 4	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 5	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 6	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 7	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 8	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 9	SA tracking	SA tracking	0	0.0	0	0.0	-

Total glare received by each receptor; may include duplicate times of glare from multiple reflective surfaces.

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

Component Data

PV Arrays

Name: PV array 1
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.882134	-88.655483	404.62	5.00	409.62
2	36.882158	-88.654762	403.56	5.00	408.56
3	36.882447	-88.654762	402.60	5.00	407.60
4	36.882469	-88.653789	400.98	5.00	405.98
5	36.882760	-88.653788	402.36	5.00	407.36
6	36.882775	-88.652479	400.06	5.00	405.06
7	36.882498	-88.652472	400.78	5.00	405.78
8	36.882505	-88.652234	400.61	5.00	405.61
9	36.881024	-88.652211	402.31	5.00	407.31
10	36.880951	-88.655061	402.70	5.00	407.70
11	36.881563	-88.655073	403.32	5.00	408.32
12	36.881549	-88.655454	405.36	5.00	410.36

Name: PV array 10
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.871849	-88.649877	397.08	5.00	402.08
2	36.871909	-88.647466	398.00	5.00	403.00
3	36.870730	-88.647420	396.31	5.00	401.31
4	36.870739	-88.646785	396.90	5.00	401.90
5	36.870438	-88.646749	397.37	5.00	402.37
6	36.870138	-88.646996	397.63	5.00	402.63
7	36.870092	-88.647913	397.63	5.00	402.63
8	36.869533	-88.647888	398.72	5.00	403.72
9	36.868923	-88.647931	397.75	5.00	402.75
10	36.868328	-88.648035	396.95	5.00	401.95
11	36.868265	-88.649801	401.90	5.00	406.90
12	36.868872	-88.649826	400.60	5.00	405.60
13	36.869471	-88.649724	403.23	5.00	408.23
14	36.869484	-88.649466	402.06	5.00	407.06
15	36.870414	-88.649487	399.49	5.00	404.49
16	36.870362	-88.650548	400.28	5.00	405.28
17	36.870968	-88.650564	399.28	5.00	404.28
18	36.871571	-88.650259	398.84	5.00	403.84
19	36.871580	-88.649868	399.00	5.00	404.00

Name: PV array 11
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.867354	-88.651970	407.91	5.00	412.91
2	36.867392	-88.651174	407.54	5.00	412.54
3	36.867660	-88.651174	406.96	5.00	411.96
4	36.867735	-88.648618	400.91	5.00	405.91
5	36.865661	-88.648502	402.29	5.00	407.29
6	36.865623	-88.648857	403.63	5.00	408.63
7	36.864765	-88.648804	406.13	5.00	411.13
8	36.864796	-88.647413	398.47	5.00	403.47
9	36.863313	-88.647326	402.12	5.00	407.12
10	36.863158	-88.651932	421.39	5.00	426.39
11	36.864970	-88.652044	422.02	5.00	427.02
12	36.865281	-88.651948	420.60	5.00	425.60
13	36.866460	-88.651941	413.86	5.00	418.86

Name: PV array 12
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.868452	-88.654710	420.47	5.00	425.47
2	36.868470	-88.653644	414.01	5.00	419.01
3	36.868741	-88.653624	413.42	5.00	418.42
4	36.868768	-88.652992	407.64	5.00	412.64
5	36.867584	-88.652963	411.31	5.00	416.31
6	36.867521	-88.653391	415.94	5.00	420.94
7	36.866394	-88.653333	413.59	5.00	418.59
8	36.866402	-88.652837	413.55	5.00	418.55
9	36.865214	-88.652760	416.33	5.00	421.33
10	36.864031	-88.652800	422.61	5.00	427.61
11	36.863700	-88.653032	426.29	5.00	431.29
12	36.863419	-88.653507	424.21	5.00	429.21
13	36.863338	-88.654744	428.77	5.00	433.77
14	36.863647	-88.654977	428.94	5.00	433.94
15	36.863980	-88.655064	426.66	5.00	431.66
16	36.864543	-88.655095	423.35	5.00	428.35
17	36.865712	-88.655039	417.70	5.00	422.70
18	36.866954	-88.655031	416.42	5.00	421.42
19	36.866969	-88.654730	418.59	5.00	423.59
20	36.867551	-88.654740	416.94	5.00	421.94

Name: PV array 13
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.869461	-88.660187	429.88	5.00	434.88
2	36.869490	-88.658865	428.79	5.00	433.79
3	36.869347	-88.658544	423.85	5.00	428.85
4	36.869508	-88.658200	424.05	5.00	429.05
5	36.869514	-88.657353	419.15	5.00	424.15
6	36.869233	-88.657339	418.77	5.00	423.77
7	36.869187	-88.657684	419.53	5.00	424.53
8	36.868928	-88.657662	417.64	5.00	422.64
9	36.868888	-88.658165	422.11	5.00	427.11
10	36.868768	-88.658495	420.13	5.00	425.13
11	36.868590	-88.658861	419.74	5.00	424.74
12	36.868521	-88.660138	422.92	5.00	427.92

Name: PV array 14
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.867683	-88.659600	420.66	5.00	425.66
2	36.867702	-88.659007	424.12	5.00	429.12
3	36.867984	-88.659009	419.24	5.00	424.24
4	36.867995	-88.658445	419.59	5.00	424.59
5	36.868116	-88.658089	415.78	5.00	420.78
6	36.868147	-88.657134	416.74	5.00	421.74
7	36.866994	-88.657041	425.40	5.00	430.40
8	36.866676	-88.656990	426.28	5.00	431.28
9	36.866698	-88.656316	423.06	5.00	428.06
10	36.866099	-88.656278	424.59	5.00	429.59
11	36.866069	-88.656740	426.47	5.00	431.47
12	36.865199	-88.656688	426.50	5.00	431.50
13	36.864898	-88.656759	425.23	5.00	430.23
14	36.864845	-88.657973	426.41	5.00	431.41
15	36.865602	-88.658039	431.42	5.00	436.42
16	36.865535	-88.660077	438.25	5.00	443.25
17	36.866734	-88.660150	433.89	5.00	438.89
18	36.866746	-88.659560	431.43	5.00	436.43

Name: PV array 15
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.863866	-88.656939	426.99	5.00	431.99
2	36.863885	-88.656503	429.95	5.00	434.95
3	36.862715	-88.656435	434.04	5.00	439.04
4	36.862690	-88.657281	430.64	5.00	435.64
5	36.862743	-88.657490	428.79	5.00	433.79
6	36.863342	-88.657506	427.12	5.00	432.12
7	36.863346	-88.657317	426.98	5.00	431.98
8	36.863579	-88.657328	425.65	5.00	430.65
9	36.863587	-88.656933	429.53	5.00	434.53

Name: PV array 2
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.880344	-88.655262	406.84	5.00	411.84
2	36.880394	-88.652741	401.38	5.00	406.38
3	36.880170	-88.652067	399.07	5.00	404.07
4	36.880199	-88.650990	401.35	5.00	406.35
5	36.879912	-88.650977	404.49	5.00	409.49
6	36.879915	-88.649802	403.70	5.00	408.70
7	36.879325	-88.649726	402.05	5.00	407.05
8	36.878148	-88.649687	400.80	5.00	405.80
9	36.877565	-88.649834	400.76	5.00	405.76
10	36.877490	-88.652480	405.00	5.00	410.00
11	36.877434	-88.653114	405.01	5.00	410.01
12	36.877376	-88.655469	410.45	5.00	415.45
13	36.877949	-88.655493	409.66	5.00	414.66
14	36.877951	-88.655364	410.17	5.00	415.17
15	36.879441	-88.655416	405.69	5.00	410.69
16	36.879754	-88.655233	407.30	5.00	412.30

Name: PV array 3
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.880059	-88.656921	407.28	5.00	412.28
2	36.880068	-88.656566	408.34	5.00	413.34
3	36.878877	-88.656521	409.61	5.00	414.61
4	36.878883	-88.656193	409.70	5.00	414.70
5	36.878306	-88.656171	409.68	5.00	414.68
6	36.877089	-88.656910	414.19	5.00	419.19
7	36.877058	-88.658302	414.29	5.00	419.29
8	36.878831	-88.658372	408.07	5.00	413.07
9	36.878845	-88.657720	410.06	5.00	415.06
10	36.879136	-88.657730	408.13	5.00	413.13
11	36.879741	-88.657693	409.15	5.00	414.15
12	36.879761	-88.656907	407.52	5.00	412.52

Name: PV array 4
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



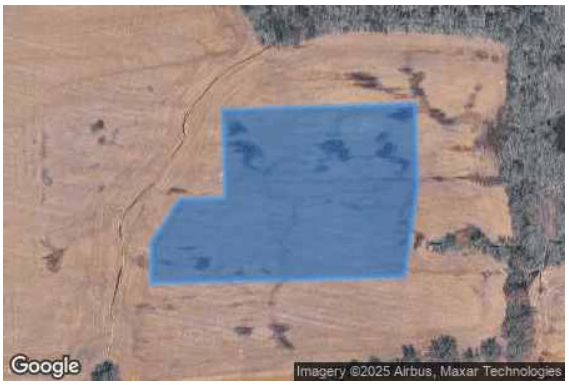
Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.876675	-88.658291	414.48	5.00	419.48
2	36.876697	-88.657219	414.65	5.00	419.65
3	36.876119	-88.657003	420.50	5.00	425.50
4	36.875555	-88.656981	421.52	5.00	426.52
5	36.874919	-88.656956	420.49	5.00	425.49
6	36.873752	-88.656915	419.61	5.00	424.61
7	36.873703	-88.658530	422.84	5.00	427.84
8	36.873127	-88.658505	420.15	5.00	425.15
9	36.873092	-88.659981	426.75	5.00	431.75
10	36.874252	-88.660025	425.59	5.00	430.59
11	36.874858	-88.659983	425.88	5.00	430.88
12	36.875438	-88.660005	419.39	5.00	424.39
13	36.875451	-88.659422	423.38	5.00	428.38
14	36.876359	-88.659447	410.89	5.00	415.89
15	36.876387	-88.658285	416.26	5.00	421.26

Name: PV array 5
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.876809	-88.655858	412.97	5.00	417.97
2	36.876862	-88.653889	406.14	5.00	411.14
3	36.876559	-88.653818	407.14	5.00	412.14
4	36.875702	-88.653778	407.67	5.00	412.67
5	36.875689	-88.654230	409.20	5.00	414.20
6	36.874787	-88.654195	409.29	5.00	414.29
7	36.874493	-88.654383	409.21	5.00	414.21
8	36.873586	-88.654535	408.92	5.00	413.92
9	36.873555	-88.655934	412.65	5.00	417.65
10	36.873840	-88.656149	413.65	5.00	418.65
11	36.875030	-88.656195	416.65	5.00	421.65
12	36.876221	-88.656171	415.91	5.00	420.91
13	36.876519	-88.656123	413.95	5.00	418.95

Name: PV array 6
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.874927	-88.653473	406.48	5.00	411.48
2	36.874970	-88.651821	405.53	5.00	410.53
3	36.874396	-88.651800	403.90	5.00	408.90
4	36.873786	-88.651909	406.50	5.00	411.50
5	36.873744	-88.654084	409.23	5.00	414.23
6	36.874021	-88.654084	410.08	5.00	415.08
7	36.874317	-88.653841	408.76	5.00	413.76
8	36.874323	-88.653450	408.83	5.00	413.83

Name: PV array 7
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.871372	-88.663968	432.29	5.00	437.29
2	36.871417	-88.662270	435.30	5.00	440.30
3	36.872021	-88.662291	432.30	5.00	437.30
4	36.872076	-88.659913	426.37	5.00	431.37
5	36.872377	-88.659904	424.64	5.00	429.64
6	36.872400	-88.658631	419.59	5.00	424.59
7	36.871822	-88.658611	425.05	5.00	430.05
8	36.871535	-88.658725	424.71	5.00	429.71
9	36.870346	-88.658735	421.65	5.00	426.65
10	36.870273	-88.661870	433.20	5.00	438.20
11	36.869857	-88.661892	435.07	5.00	440.07
12	36.869805	-88.663725	435.69	5.00	440.69
13	36.869603	-88.663720	435.94	5.00	440.94
14	36.869592	-88.663946	436.17	5.00	441.17
15	36.870168	-88.663962	433.26	5.00	438.26
16	36.870797	-88.663941	431.61	5.00	436.61

Name: PV array 8
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.872359	-88.654907	413.85	5.00	418.85
2	36.872410	-88.653116	413.40	5.00	418.40
3	36.872522	-88.653098	415.13	5.00	420.13
4	36.872551	-88.652909	411.72	5.00	416.72
5	36.871974	-88.652882	411.34	5.00	416.34
6	36.871487	-88.652874	409.82	5.00	414.82
7	36.870923	-88.652849	408.88	5.00	413.88
8	36.870885	-88.653224	411.78	5.00	416.78
9	36.870024	-88.653191	407.80	5.00	412.80
10	36.869970	-88.654830	409.06	5.00	414.06
11	36.870571	-88.654913	413.98	5.00	418.98
12	36.871152	-88.654933	413.23	5.00	418.23
13	36.872048	-88.654903	413.78	5.00	418.78

Name: PV array 9
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.873011	-88.651991	406.93	5.00	411.93
2	36.873033	-88.650569	401.11	5.00	406.11
3	36.873666	-88.650588	401.16	5.00	406.16
4	36.873699	-88.649477	399.34	5.00	404.34
5	36.873424	-88.649418	402.46	5.00	407.46
6	36.872819	-88.649381	404.46	5.00	409.46
7	36.872767	-88.650561	404.62	5.00	409.62
8	36.872454	-88.650546	404.83	5.00	409.83
9	36.872424	-88.651129	408.42	5.00	413.42
10	36.872149	-88.651118	408.48	5.00	413.48
11	36.872112	-88.651763	406.89	5.00	411.89
12	36.871532	-88.651746	404.32	5.00	409.32
13	36.871513	-88.651943	403.93	5.00	408.93

Route Receptors

Name: E Baldree Road
Path type: Two-way
Azimuthal view angle: 50.0°
Downward view angle: 0.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.906012	-88.675249	413.02	3.50	416.52
2	36.905875	-88.666741	394.58	3.50	398.08
3	36.905834	-88.664252	396.08	3.50	399.58
4	36.900226	-88.664386	401.89	3.50	405.39
5	36.897237	-88.664435	405.06	3.50	408.56
6	36.894021	-88.664545	404.03	3.50	407.53
7	36.893700	-88.664526	403.26	3.50	406.76
8	36.891113	-88.664588	410.51	3.50	414.01
9	36.886953	-88.664661	418.31	3.50	421.81
10	36.884807	-88.664705	424.74	3.50	428.24
11	36.883636	-88.664742	415.79	3.50	419.29

Name: E Pittman Road
Path type: Two-way
Azimuthal view angle: 50.0°
Downward view angle: 0.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.894651	-88.677824	432.34	3.50	435.84
2	36.894583	-88.676151	428.19	3.50	431.69
3	36.894535	-88.675239	425.78	3.50	429.28
4	36.894377	-88.674649	429.61	3.50	433.11
5	36.893965	-88.673694	427.96	3.50	431.46
6	36.893922	-88.673265	425.32	3.50	428.82
7	36.893840	-88.669325	423.82	3.50	427.32
8	36.893755	-88.664987	404.24	3.50	407.74
9	36.893772	-88.664536	403.56	3.50	407.06

Name: KY-1241-1
Path type: Two-way
Azimuthal view angle: 50.0°
Downward view angle: 0.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.862060	-88.665026	443.05	3.50	446.55
2	36.862420	-88.665117	443.43	3.50	446.93
3	36.863446	-88.665147	440.17	3.50	443.67
4	36.864886	-88.665107	432.18	3.50	435.68
5	36.867083	-88.665069	433.31	3.50	436.81
6	36.867877	-88.665056	438.44	3.50	441.94
7	36.868704	-88.665249	431.80	3.50	435.30
8	36.869465	-88.665646	423.73	3.50	427.23
9	36.870185	-88.666217	413.05	3.50	416.55
10	36.872747	-88.668392	410.35	3.50	413.85
11	36.874813	-88.670158	423.41	3.50	426.91
12	36.876354	-88.671459	432.93	3.50	436.43
13	36.877210	-88.671941	428.71	3.50	432.21
14	36.878259	-88.672259	427.78	3.50	431.28
15	36.879868	-88.672587	438.79	3.50	442.29
16	36.880396	-88.672818	433.17	3.50	436.67
17	36.881141	-88.673263	429.62	3.50	433.12
18	36.881865	-88.673699	436.41	3.50	439.91
19	36.883043	-88.674329	441.46	3.50	444.96
20	36.883851	-88.674752	440.87	3.50	444.37
21	36.884925	-88.675264	434.59	3.50	438.09
22	36.885594	-88.675613	437.93	3.50	441.43
23	36.886048	-88.675985	433.24	3.50	436.74
24	36.887001	-88.676673	425.74	3.50	429.24
25	36.888943	-88.678120	421.25	3.50	424.75
26	36.889276	-88.678286	418.79	3.50	422.29
27	36.889600	-88.678248	417.36	3.50	420.86
28	36.889941	-88.678173	421.63	3.50	425.13
29	36.890113	-88.678216	425.60	3.50	429.10
30	36.890226	-88.678551	427.57	3.50	431.07

Name: KY-1241-2
Path type: Two-way
Azimuthal view angle: 50.0°
Downward view angle: 0.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.890228	-88.678568	427.45	3.50	430.95
2	36.890306	-88.679133	427.40	3.50	430.90
3	36.890464	-88.679447	428.86	3.50	432.36
4	36.891406	-88.680305	433.94	3.50	437.44
5	36.892674	-88.681170	439.11	3.50	442.61
6	36.893750	-88.681784	440.11	3.50	443.61
7	36.895221	-88.682636	436.79	3.50	440.29
8	36.895816	-88.682837	434.01	3.50	437.51
9	36.896315	-88.682923	435.59	3.50	439.09
10	36.898282	-88.682925	437.45	3.50	440.95
11	36.901237	-88.682941	418.12	3.50	421.62
12	36.902470	-88.682863	423.18	3.50	426.68
13	36.904227	-88.682787	413.77	3.50	417.27
14	36.908371	-88.682743	419.36	3.50	422.86
15	36.910960	-88.682715	418.64	3.50	422.14
16	36.912936	-88.682858	402.74	3.50	406.24
17	36.913508	-88.682825	403.16	3.50	406.66
18	36.914609	-88.682697	402.84	3.50	406.34
19	36.915862	-88.682611	413.63	3.50	417.13
20	36.917705	-88.682595	410.61	3.50	414.11
21	36.918263	-88.682670	407.53	3.50	411.03
22	36.919175	-88.683078	400.52	3.50	404.02
23	36.920895	-88.683976	409.67	3.50	413.17
24	36.921727	-88.684373	410.82	3.50	414.32
25	36.923264	-88.684823	406.77	3.50	410.27
26	36.926015	-88.685557	399.12	3.50	402.62
27	36.926564	-88.685637	396.37	3.50	399.87
28	36.930266	-88.685602	389.86	3.50	393.36
29	36.936762	-88.685461	376.80	3.50	380.30
30	36.937594	-88.685375	374.87	3.50	378.37

Name: KY-849
Path type: Two-way
Azimuthal view angle: 50.0°
Downward view angle: 0.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.883854	-88.674770	441.05	3.50	444.55
2	36.883773	-88.671380	433.35	3.50	436.85
3	36.883665	-88.666798	416.93	3.50	420.43
4	36.883627	-88.665109	415.07	3.50	418.57
5	36.883640	-88.664165	411.75	3.50	415.25
6	36.883905	-88.660982	403.82	3.50	407.32
7	36.884121	-88.658418	397.42	3.50	400.92
8	36.884276	-88.655489	399.69	3.50	403.19
9	36.884632	-88.651017	399.19	3.50	402.69
10	36.884919	-88.648029	393.93	3.50	397.43
11	36.885006	-88.646823	396.14	3.50	399.64
12	36.884809	-88.643604	393.43	3.50	396.93
13	36.884507	-88.639400	393.88	3.50	397.38
14	36.884533	-88.638847	394.79	3.50	398.29
15	36.884825	-88.637876	397.13	3.50	400.63
16	36.885271	-88.636761	397.22	3.50	400.72
17	36.885430	-88.636396	387.52	3.50	391.02
18	36.885653	-88.635773	400.85	3.50	404.35
19	36.885766	-88.635108	397.70	3.50	401.20
20	36.885766	-88.634658	397.33	3.50	400.83

Name: Olden Road
Path type: Two-way
Azimuthal view angle: 50.0°
Downward view angle: 0.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.862075	-88.665003	442.89	3.50	446.39
2	36.862160	-88.661969	432.87	3.50	436.37
3	36.862212	-88.660134	427.19	3.50	430.69
4	36.862276	-88.657842	428.35	3.50	431.85
5	36.862342	-88.655542	433.06	3.50	436.56
6	36.862385	-88.654617	431.62	3.50	435.12

Name: Old Plant Road
Path type: Two-way
Azimuthal view angle: 50.0°
Downward view angle: 0.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.871867	-88.667616	412.11	3.50	415.61
2	36.871996	-88.667493	413.19	3.50	416.69
3	36.872097	-88.667289	413.54	3.50	417.04
4	36.872148	-88.666629	412.79	3.50	416.29
5	36.872338	-88.663870	410.46	3.50	413.96
6	36.872460	-88.662081	429.10	3.50	432.60
7	36.872491	-88.661499	428.55	3.50	432.05
8	36.872608	-88.659842	423.23	3.50	426.73
9	36.872790	-88.657683	419.36	3.50	422.86
10	36.872838	-88.656797	416.24	3.50	419.74
11	36.872866	-88.656445	412.31	3.50	415.81

Name: US-45
Path type: Two-way
Azimuthal view angle: 50.0°
Downward view angle: 0.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.930617	-88.673065	389.95	3.50	393.45
2	36.924070	-88.673404	384.61	3.50	388.11
3	36.920655	-88.673586	385.54	3.50	389.04
4	36.916228	-88.673849	393.75	3.50	397.25
5	36.912312	-88.674080	400.29	3.50	403.79
6	36.910635	-88.674203	404.96	3.50	408.46
7	36.909043	-88.674434	405.94	3.50	409.44
8	36.905050	-88.675320	420.09	3.50	423.59
9	36.899695	-88.676536	420.74	3.50	424.24
10	36.894956	-88.677574	434.38	3.50	437.88
11	36.890347	-88.678619	426.95	3.50	430.45
12	36.886398	-88.679514	445.47	3.50	448.97
13	36.884065	-88.680002	454.14	3.50	457.64
14	36.882837	-88.680179	455.83	3.50	459.33
15	36.881019	-88.680281	462.59	3.50	466.09
16	36.879372	-88.680233	466.44	3.50	469.94
17	36.877607	-88.679987	473.31	3.50	476.81
18	36.876286	-88.679736	470.46	3.50	473.96
19	36.873602	-88.678857	449.73	3.50	453.23
20	36.870769	-88.677473	428.52	3.50	432.02
21	36.863806	-88.673131	453.57	3.50	457.07
22	36.857980	-88.669467	483.07	3.50	486.57
23	36.855739	-88.668175	477.02	3.50	480.52
24	36.855052	-88.667660	477.31	3.50	480.81
25	36.851325	-88.665329	465.24	3.50	468.74
26	36.847719	-88.663409	438.79	3.50	442.29

Name: Whittemore Road
Path type: Two-way
Azimuthal view angle: 50.0°
Downward view angle: 0.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.855436	-88.656226	426.76	3.50	430.26
2	36.858578	-88.656135	436.01	3.50	439.51
3	36.859113	-88.656066	441.30	3.50	444.80
4	36.860920	-88.655245	439.42	3.50	442.92
5	36.862187	-88.654604	433.73	3.50	437.23
6	36.862513	-88.654620	431.59	3.50	435.09
7	36.862762	-88.654685	435.45	3.50	438.95
8	36.863620	-88.655430	433.57	3.50	437.07
9	36.867191	-88.655382	416.34	3.50	419.84
10	36.870534	-88.655318	412.18	3.50	415.68
11	36.871051	-88.655312	412.53	3.50	416.03
12	36.871712	-88.655554	417.98	3.50	421.48
13	36.872184	-88.655881	415.04	3.50	418.54
14	36.872829	-88.656417	411.87	3.50	415.37
15	36.873374	-88.656562	413.21	3.50	416.71
16	36.876118	-88.656503	415.97	3.50	419.47
17	36.876899	-88.656492	413.43	3.50	416.93
18	36.877448	-88.656256	409.88	3.50	413.38
19	36.877869	-88.655916	409.27	3.50	412.77
20	36.878401	-88.655729	407.54	3.50	411.04
21	36.879517	-88.655707	405.32	3.50	408.82
22	36.884266	-88.655796	399.35	3.50	402.85

Discrete Observation Point Receptors

Name	ID	Latitude (°)	Longitude (°)	Elevation (ft)	Height (ft)
OP 1	1	36.927372	-88.685179	393.58	6.00
OP 2	2	36.926739	-88.685943	399.10	6.00
OP 3	3	36.916435	-88.672578	394.75	6.00
OP 4	4	36.911131	-88.672884	404.90	6.00
OP 5	5	36.906413	-88.672293	417.38	6.00
OP 6	6	36.917118	-88.681845	415.91	6.00
OP 7	7	36.916006	-88.681375	418.10	6.00
OP 8	8	36.910968	-88.682050	421.12	6.00
OP 9	9	36.910084	-88.682087	418.95	6.00
OP 10	10	36.909556	-88.682109	423.43	6.00
OP 11	11	36.908161	-88.682334	418.67	6.00
OP 12	12	36.907013	-88.682396	422.39	6.00
OP 13	13	36.906376	-88.682371	417.63	6.00
OP 14	14	36.905790	-88.682312	421.61	6.00
OP 15	15	36.904240	-88.682287	416.20	6.00
OP 16	16	36.903369	-88.682343	423.91	6.00
OP 17	17	36.902382	-88.682429	422.70	6.00
OP 18	18	36.901979	-88.682456	422.61	6.00
OP 19	19	36.900484	-88.681782	434.72	6.00
OP 20	20	36.890374	-88.655233	402.86	6.00
OP 21	21	36.884949	-88.652131	400.33	6.00
OP 22	22	36.872991	-88.661660	430.21	6.00
OP 23	23	36.872249	-88.656924	417.27	6.00
OP 24	24	36.871695	-88.656002	416.64	6.00
OP 25	25	36.870717	-88.657611	421.90	6.00
OP 26	26	36.862104	-88.654141	437.44	6.00
OP 27	27	36.859076	-88.656834	443.80	6.00
OP 28	28	36.857582	-88.656731	440.57	6.00
OP 29	29	36.857064	-88.655706	436.77	6.00
OP 30	30	36.861385	-88.659467	436.00	6.00
OP 31	31	36.864490	-88.659475	435.41	6.00
OP 32	32	36.862520	-88.661016	436.47	6.00
OP 33	33	36.863970	-88.665393	444.32	6.00
OP 34	34	36.864429	-88.665501	437.27	6.00
OP 35	35	36.865028	-88.665396	437.50	6.00
OP 36	36	36.865599	-88.665495	438.32	6.00
OP 37	37	36.866878	-88.665707	441.59	6.00
OP 38	38	36.867386	-88.665520	441.91	6.00
OP 39	39	36.867788	-88.665493	445.00	6.00
OP 40	40	36.867715	-88.664665	438.57	6.00
OP 41	41	36.868215	-88.664649	438.57	6.00
OP 42	42	36.868938	-88.664807	435.02	6.00
OP 43	43	36.872302	-88.666698	412.57	6.00
OP 44	44	36.872300	-88.668807	412.09	6.00
OP 45	45	36.883204	-88.664386	415.27	6.00
OP 46	46	36.884998	-88.665080	428.07	6.00
OP 47	47	36.884598	-88.665144	429.78	6.00
OP 48	48	36.884099	-88.665068	427.73	6.00
OP 49	49	36.884029	-88.666151	426.47	6.00
OP 50	50	36.884110	-88.667648	435.11	6.00
OP 51	51	36.884179	-88.669668	429.66	6.00

Name	ID	Latitude (°)	Longitude (°)	Elevation (ft)	Height (ft)
OP 52	52	36.894716	-88.682896	445.86	6.00
OP 53	53	36.893716	-88.681062	446.50	6.00
OP 54	54	36.892513	-88.681936	448.78	6.00
OP 55	55	36.892071	-88.681641	447.47	6.00

Obstruction Components

Name: Treeline 1
Top height: 20.0 ft



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)
1	36.911826	-88.682558	408.69
2	36.913559	-88.682569	400.48
3	36.914605	-88.678277	394.82
4	36.914991	-88.676475	394.30
5	36.916338	-88.674769	390.97

Name: Treeline 2
Top height: 20.0 ft



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)
1	36.884105	-88.661701	413.93
2	36.886482	-88.661674	414.76

Glare Analysis Results

Summary of Results No glare predicted

PV Array	Tilt	Orient	Annual Green Glare		Annual Yellow Glare		Energy
	°	°	min	hr	min	hr	kWh
PV array 1	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 10	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 11	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 12	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 13	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 14	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 15	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 2	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 3	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 4	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 5	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 6	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 7	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 8	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 9	SA tracking	SA tracking	0	0.0	0	0.0	-

Total glare received by each receptor; may include duplicate times of glare from multiple reflective surfaces.

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV: PV array 1 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 1 and Route: E Baldree Road

No glare found

PV array 1 and Route: E Pittman Road

No glare found

PV array 1 and Route: KY-1241-1

No glare found

PV array 1 and Route: KY-1241-2

No glare found

PV array 1 and Route: KY-849

No glare found

PV array 1 and Route: Olden Road

No glare found

PV array 1 and Route: Old Plant Road

No glare found

PV array 1 and Route: US-45

No glare found

PV array 1 and Route: Whittemore Road

No glare found

PV array 1 and OP 1

No glare found

PV array 1 and OP 2

No glare found

PV array 1 and OP 3

No glare found

PV array 1 and OP 4

No glare found

PV array 1 and OP 5

No glare found

PV array 1 and OP 6

No glare found

PV array 1 and OP 7

No glare found

PV array 1 and OP 8

No glare found

PV array 1 and OP 9

No glare found

PV array 1 and OP 10

No glare found

PV array 1 and OP 11

No glare found

PV array 1 and OP 12

No glare found

PV array 1 and OP 13

No glare found

PV array 1 and OP 14

No glare found

PV array 1 and OP 15

No glare found

PV array 1 and OP 16

No glare found

PV array 1 and OP 17

No glare found

PV array 1 and OP 18

No glare found

PV array 1 and OP 19

No glare found

PV array 1 and OP 20

No glare found

PV array 1 and OP 21

No glare found

PV array 1 and OP 22

No glare found

PV array 1 and OP 23

No glare found

PV array 1 and OP 24

No glare found

PV array 1 and OP 25

No glare found

PV array 1 and OP 26

No glare found

PV array 1 and OP 27

No glare found

PV array 1 and OP 28

No glare found

PV array 1 and OP 29

No glare found

PV array 1 and OP 30

No glare found

PV array 1 and OP 31

No glare found

PV array 1 and OP 32

No glare found

PV array 1 and OP 33

No glare found

PV array 1 and OP 34

No glare found

PV array 1 and OP 35

No glare found

PV array 1 and OP 36

No glare found

PV array 1 and OP 37

No glare found

PV array 1 and OP 38

No glare found

PV array 1 and OP 39

No glare found

PV array 1 and OP 40

No glare found

PV array 1 and OP 41

No glare found

PV array 1 and OP 42

No glare found

PV array 1 and OP 43

No glare found

PV array 1 and OP 44

No glare found

PV array 1 and OP 45

No glare found

PV array 1 and OP 46

No glare found

PV array 1 and OP 47

No glare found

PV array 1 and OP 48

No glare found

PV array 1 and OP 49

No glare found

PV array 1 and OP 50

No glare found

PV array 1 and OP 51

No glare found

PV array 1 and OP 52

No glare found

PV array 1 and OP 53

No glare found

PV array 1 and OP 54

No glare found

PV array 1 and OP 55

No glare found

PV: PV array 10 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 10 and Route: E Baldree Road

No glare found

PV array 10 and Route: E Pittman Road

No glare found

PV array 10 and Route: KY-1241-1

No glare found

PV array 10 and Route: KY-1241-2

No glare found

PV array 10 and Route: KY-849

No glare found

PV array 10 and Route: Olden Road

No glare found

PV array 10 and Route: Old Plant Road

No glare found

PV array 10 and Route: US-45

No glare found

PV array 10 and Route: Whittemore Road

No glare found

PV array 10 and OP 1

No glare found

PV array 10 and OP 2

No glare found

PV array 10 and OP 3

No glare found

PV array 10 and OP 4

No glare found

PV array 10 and OP 5

No glare found

PV array 10 and OP 6

No glare found

PV array 10 and OP 7

No glare found

PV array 10 and OP 8

No glare found

PV array 10 and OP 9

No glare found

PV array 10 and OP 10

No glare found

PV array 10 and OP 11

No glare found

PV array 10 and OP 12

No glare found

PV array 10 and OP 13

No glare found

PV array 10 and OP 14

No glare found

PV array 10 and OP 15

No glare found

PV array 10 and OP 16

No glare found

PV array 10 and OP 17

No glare found

PV array 10 and OP 18

No glare found

PV array 10 and OP 19

No glare found

PV array 10 and OP 20

No glare found

PV array 10 and OP 21

No glare found

PV array 10 and OP 22

No glare found

PV array 10 and OP 23

No glare found

PV array 10 and OP 24

No glare found

PV array 10 and OP 25

No glare found

PV array 10 and OP 26

No glare found

PV array 10 and OP 27

No glare found

PV array 10 and OP 28

No glare found

PV array 10 and OP 29

No glare found

PV array 10 and OP 30

No glare found

PV array 10 and OP 31

No glare found

PV array 10 and OP 32

No glare found

PV array 10 and OP 33

No glare found

PV array 10 and OP 34

No glare found

PV array 10 and OP 35

No glare found

PV array 10 and OP 36

No glare found

PV array 10 and OP 37

No glare found

PV array 10 and OP 38

No glare found

PV array 10 and OP 39

No glare found

PV array 10 and OP 40

No glare found

PV array 10 and OP 41

No glare found

PV array 10 and OP 42

No glare found

PV array 10 and OP 43

No glare found

PV array 10 and OP 44

No glare found

PV array 10 and OP 45

No glare found

PV array 10 and OP 46

No glare found

PV array 10 and OP 47

No glare found

PV array 10 and OP 48

No glare found

PV array 10 and OP 49

No glare found

PV array 10 and OP 50

No glare found

PV array 10 and OP 51

No glare found

PV array 10 and OP 52

No glare found

PV array 10 and OP 53

No glare found

PV array 10 and OP 54

No glare found

PV array 10 and OP 55

No glare found

PV: PV array 11 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 11 and Route: E Baldree Road

No glare found

PV array 11 and Route: E Pittman Road

No glare found

PV array 11 and Route: KY-1241-1

No glare found

PV array 11 and Route: KY-1241-2

No glare found

PV array 11 and Route: KY-849

No glare found

PV array 11 and Route: Olden Road

No glare found

PV array 11 and Route: Old Plant Road

No glare found

PV array 11 and Route: US-45

No glare found

PV array 11 and Route: Whittemore Road

No glare found

PV array 11 and OP 1

No glare found

PV array 11 and OP 2

No glare found

PV array 11 and OP 3

No glare found

PV array 11 and OP 4

No glare found

PV array 11 and OP 5

No glare found

PV array 11 and OP 6

No glare found

PV array 11 and OP 7

No glare found

PV array 11 and OP 8

No glare found

PV array 11 and OP 9

No glare found

PV array 11 and OP 10

No glare found

PV array 11 and OP 11

No glare found

PV array 11 and OP 12

No glare found

PV array 11 and OP 13

No glare found

PV array 11 and OP 14

No glare found

PV array 11 and OP 15

No glare found

PV array 11 and OP 16

No glare found

PV array 11 and OP 17

No glare found

PV array 11 and OP 18

No glare found

PV array 11 and OP 19

No glare found

PV array 11 and OP 20

No glare found

PV array 11 and OP 21

No glare found

PV array 11 and OP 22

No glare found

PV array 11 and OP 23

No glare found

PV array 11 and OP 24

No glare found

PV array 11 and OP 25

No glare found

PV array 11 and OP 26

No glare found

PV array 11 and OP 27

No glare found

PV array 11 and OP 28

No glare found

PV array 11 and OP 29

No glare found

PV array 11 and OP 30

No glare found

PV array 11 and OP 31

No glare found

PV array 11 and OP 32

No glare found

PV array 11 and OP 33

No glare found

PV array 11 and OP 34

No glare found

PV array 11 and OP 35

No glare found

PV array 11 and OP 36

No glare found

PV array 11 and OP 37

No glare found

PV array 11 and OP 38

No glare found

PV array 11 and OP 39

No glare found

PV array 11 and OP 40

No glare found

PV array 11 and OP 41

No glare found

PV array 11 and OP 42

No glare found

PV array 11 and OP 43

No glare found

PV array 11 and OP 44

No glare found

PV array 11 and OP 45

No glare found

PV array 11 and OP 46

No glare found

PV array 11 and OP 47

No glare found

PV array 11 and OP 48

No glare found

PV array 11 and OP 49

No glare found

PV array 11 and OP 50

No glare found

PV array 11 and OP 51

No glare found

PV array 11 and OP 52

No glare found

PV array 11 and OP 53

No glare found

PV array 11 and OP 54

No glare found

PV array 11 and OP 55

No glare found

PV: PV array 12 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 12 and Route: E Baldree Road

No glare found

PV array 12 and Route: E Pittman Road

No glare found

PV array 12 and Route: KY-1241-1

No glare found

PV array 12 and Route: KY-1241-2

No glare found

PV array 12 and Route: KY-849

No glare found

PV array 12 and Route: Olden Road

No glare found

PV array 12 and Route: Old Plant Road

No glare found

PV array 12 and Route: US-45

No glare found

PV array 12 and Route: Whittemore Road

No glare found

PV array 12 and OP 1

No glare found

PV array 12 and OP 2

No glare found

PV array 12 and OP 3

No glare found

PV array 12 and OP 4

No glare found

PV array 12 and OP 5

No glare found

PV array 12 and OP 6

No glare found

PV array 12 and OP 7

No glare found

PV array 12 and OP 8

No glare found

PV array 12 and OP 9

No glare found

PV array 12 and OP 10

No glare found

PV array 12 and OP 11

No glare found

PV array 12 and OP 12

No glare found

PV array 12 and OP 13

No glare found

PV array 12 and OP 14

No glare found

PV array 12 and OP 15

No glare found

PV array 12 and OP 16

No glare found

PV array 12 and OP 17

No glare found

PV array 12 and OP 18

No glare found

PV array 12 and OP 19

No glare found

PV array 12 and OP 20

No glare found

PV array 12 and OP 21

No glare found

PV array 12 and OP 22

No glare found

PV array 12 and OP 23

No glare found

PV array 12 and OP 24

No glare found

PV array 12 and OP 25

No glare found

PV array 12 and OP 26

No glare found

PV array 12 and OP 27

No glare found

PV array 12 and OP 28

No glare found

PV array 12 and OP 29

No glare found

PV array 12 and OP 30

No glare found

PV array 12 and OP 31

No glare found

PV array 12 and OP 32

No glare found

PV array 12 and OP 33

No glare found

PV array 12 and OP 34

No glare found

PV array 12 and OP 35

No glare found

PV array 12 and OP 36

No glare found

PV array 12 and OP 37

No glare found

PV array 12 and OP 38

No glare found

PV array 12 and OP 39

No glare found

PV array 12 and OP 40

No glare found

PV array 12 and OP 41

No glare found

PV array 12 and OP 42

No glare found

PV array 12 and OP 43

No glare found

PV array 12 and OP 44

No glare found

PV array 12 and OP 45

No glare found

PV array 12 and OP 46

No glare found

PV array 12 and OP 47

No glare found

PV array 12 and OP 48

No glare found

PV array 12 and OP 49

No glare found

PV array 12 and OP 50

No glare found

PV array 12 and OP 51

No glare found

PV array 12 and OP 52

No glare found

PV array 12 and OP 53

No glare found

PV array 12 and OP 54

No glare found

PV array 12 and OP 55

No glare found

PV: PV array 13 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 13 and Route: E Baldree Road

No glare found

PV array 13 and Route: E Pittman Road

No glare found

PV array 13 and Route: KY-1241-1

No glare found

PV array 13 and Route: KY-1241-2

No glare found

PV array 13 and Route: KY-849

No glare found

PV array 13 and Route: Olden Road

No glare found

PV array 13 and Route: Old Plant Road

No glare found

PV array 13 and Route: US-45

No glare found

PV array 13 and Route: Whittemore Road

No glare found

PV array 13 and OP 1

No glare found

PV array 13 and OP 2

No glare found

PV array 13 and OP 3

No glare found

PV array 13 and OP 4

No glare found

PV array 13 and OP 5

No glare found

PV array 13 and OP 6

No glare found

PV array 13 and OP 7

No glare found

PV array 13 and OP 8

No glare found

PV array 13 and OP 9

No glare found

PV array 13 and OP 10

No glare found

PV array 13 and OP 11

No glare found

PV array 13 and OP 12

No glare found

PV array 13 and OP 13

No glare found

PV array 13 and OP 14

No glare found

PV array 13 and OP 15

No glare found

PV array 13 and OP 16

No glare found

PV array 13 and OP 17

No glare found

PV array 13 and OP 18

No glare found

PV array 13 and OP 19

No glare found

PV array 13 and OP 20

No glare found

PV array 13 and OP 21

No glare found

PV array 13 and OP 22

No glare found

PV array 13 and OP 23

No glare found

PV array 13 and OP 24

No glare found

PV array 13 and OP 25

No glare found

PV array 13 and OP 26

No glare found

PV array 13 and OP 27

No glare found

PV array 13 and OP 28

No glare found

PV array 13 and OP 29

No glare found

PV array 13 and OP 30

No glare found

PV array 13 and OP 31

No glare found

PV array 13 and OP 32

No glare found

PV array 13 and OP 33

No glare found

PV array 13 and OP 34

No glare found

PV array 13 and OP 35

No glare found

PV array 13 and OP 36

No glare found

PV array 13 and OP 37

No glare found

PV array 13 and OP 38

No glare found

PV array 13 and OP 39

No glare found

PV array 13 and OP 40

No glare found

PV array 13 and OP 41

No glare found

PV array 13 and OP 42

No glare found

PV array 13 and OP 43

No glare found

PV array 13 and OP 44

No glare found

PV array 13 and OP 45

No glare found

PV array 13 and OP 46

No glare found

PV array 13 and OP 47

No glare found

PV array 13 and OP 48

No glare found

PV array 13 and OP 49

No glare found

PV array 13 and OP 50

No glare found

PV array 13 and OP 51

No glare found

PV array 13 and OP 52

No glare found

PV array 13 and OP 53

No glare found

PV array 13 and OP 54

No glare found

PV array 13 and OP 55

No glare found

PV: PV array 14 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 14 and Route: E Baldree Road

No glare found

PV array 14 and Route: E Pittman Road

No glare found

PV array 14 and Route: KY-1241-1

No glare found

PV array 14 and Route: KY-1241-2

No glare found

PV array 14 and Route: KY-849

No glare found

PV array 14 and Route: Olden Road

No glare found

PV array 14 and Route: Old Plant Road

No glare found

PV array 14 and Route: US-45

No glare found

PV array 14 and Route: Whittemore Road

No glare found

PV array 14 and OP 1

No glare found

PV array 14 and OP 2

No glare found

PV array 14 and OP 3

No glare found

PV array 14 and OP 4

No glare found

PV array 14 and OP 5

No glare found

PV array 14 and OP 6

No glare found

PV array 14 and OP 7

No glare found

PV array 14 and OP 8

No glare found

PV array 14 and OP 9

No glare found

PV array 14 and OP 10

No glare found

PV array 14 and OP 11

No glare found

PV array 14 and OP 12

No glare found

PV array 14 and OP 13

No glare found

PV array 14 and OP 14

No glare found

PV array 14 and OP 15

No glare found

PV array 14 and OP 16

No glare found

PV array 14 and OP 17

No glare found

PV array 14 and OP 18

No glare found

PV array 14 and OP 19

No glare found

PV array 14 and OP 20

No glare found

PV array 14 and OP 21

No glare found

PV array 14 and OP 22

No glare found

PV array 14 and OP 23

No glare found

PV array 14 and OP 24

No glare found

PV array 14 and OP 25

No glare found

PV array 14 and OP 26

No glare found

PV array 14 and OP 27

No glare found

PV array 14 and OP 28

No glare found

PV array 14 and OP 29

No glare found

PV array 14 and OP 30

No glare found

PV array 14 and OP 31

No glare found

PV array 14 and OP 32

No glare found

PV array 14 and OP 33

No glare found

PV array 14 and OP 34

No glare found

PV array 14 and OP 35

No glare found

PV array 14 and OP 36

No glare found

PV array 14 and OP 37

No glare found

PV array 14 and OP 38

No glare found

PV array 14 and OP 39

No glare found

PV array 14 and OP 40

No glare found

PV array 14 and OP 41

No glare found

PV array 14 and OP 42

No glare found

PV array 14 and OP 43

No glare found

PV array 14 and OP 44

No glare found

PV array 14 and OP 45

No glare found

PV array 14 and OP 46

No glare found

PV array 14 and OP 47

No glare found

PV array 14 and OP 48

No glare found

PV array 14 and OP 49

No glare found

PV array 14 and OP 50

No glare found

PV array 14 and OP 51

No glare found

PV array 14 and OP 52

No glare found

PV array 14 and OP 53

No glare found

PV array 14 and OP 54

No glare found

PV array 14 and OP 55

No glare found

PV: PV array 15 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 15 and Route: E Baldree Road

No glare found

PV array 15 and Route: E Pittman Road

No glare found

PV array 15 and Route: KY-1241-1

No glare found

PV array 15 and Route: KY-1241-2

No glare found

PV array 15 and Route: KY-849

No glare found

PV array 15 and Route: Olden Road

No glare found

PV array 15 and Route: Old Plant Road

No glare found

PV array 15 and Route: US-45

No glare found

PV array 15 and Route: Whittemore Road

No glare found

PV array 15 and OP 1

No glare found

PV array 15 and OP 2

No glare found

PV array 15 and OP 3

No glare found

PV array 15 and OP 4

No glare found

PV array 15 and OP 5

No glare found

PV array 15 and OP 6

No glare found

PV array 15 and OP 7

No glare found

PV array 15 and OP 8

No glare found

PV array 15 and OP 9

No glare found

PV array 15 and OP 10

No glare found

PV array 15 and OP 11

No glare found

PV array 15 and OP 12

No glare found

PV array 15 and OP 13

No glare found

PV array 15 and OP 14

No glare found

PV array 15 and OP 15

No glare found

PV array 15 and OP 16

No glare found

PV array 15 and OP 17

No glare found

PV array 15 and OP 18

No glare found

PV array 15 and OP 19

No glare found

PV array 15 and OP 20

No glare found

PV array 15 and OP 21

No glare found

PV array 15 and OP 22

No glare found

PV array 15 and OP 23

No glare found

PV array 15 and OP 24

No glare found

PV array 15 and OP 25

No glare found

PV array 15 and OP 26

No glare found

PV array 15 and OP 27

No glare found

PV array 15 and OP 28

No glare found

PV array 15 and OP 29

No glare found

PV array 15 and OP 30

No glare found

PV array 15 and OP 31

No glare found

PV array 15 and OP 32

No glare found

PV array 15 and OP 33

No glare found

PV array 15 and OP 34

No glare found

PV array 15 and OP 35

No glare found

PV array 15 and OP 36

No glare found

PV array 15 and OP 37

No glare found

PV array 15 and OP 38

No glare found

PV array 15 and OP 39

No glare found

PV array 15 and OP 40

No glare found

PV array 15 and OP 41

No glare found

PV array 15 and OP 42

No glare found

PV array 15 and OP 43

No glare found

PV array 15 and OP 44

No glare found

PV array 15 and OP 45

No glare found

PV array 15 and OP 46

No glare found

PV array 15 and OP 47

No glare found

PV array 15 and OP 48

No glare found

PV array 15 and OP 49

No glare found

PV array 15 and OP 50

No glare found

PV array 15 and OP 51

No glare found

PV array 15 and OP 52

No glare found

PV array 15 and OP 53

No glare found

PV array 15 and OP 54

No glare found

PV array 15 and OP 55

No glare found

PV: PV array 2 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 2 and Route: E Baldree Road

No glare found

PV array 2 and Route: E Pittman Road

No glare found

PV array 2 and Route: KY-1241-1

No glare found

PV array 2 and Route: KY-1241-2

No glare found

PV array 2 and Route: KY-849

No glare found

PV array 2 and Route: Olden Road

No glare found

PV array 2 and Route: Old Plant Road

No glare found

PV array 2 and Route: US-45

No glare found

PV array 2 and Route: Whittemore Road

No glare found

PV array 2 and OP 1

No glare found

PV array 2 and OP 2

No glare found

PV array 2 and OP 3

No glare found

PV array 2 and OP 4

No glare found

PV array 2 and OP 5

No glare found

PV array 2 and OP 6

No glare found

PV array 2 and OP 7

No glare found

PV array 2 and OP 8

No glare found

PV array 2 and OP 9

No glare found

PV array 2 and OP 10

No glare found

PV array 2 and OP 11

No glare found

PV array 2 and OP 12

No glare found

PV array 2 and OP 13

No glare found

PV array 2 and OP 14

No glare found

PV array 2 and OP 15

No glare found

PV array 2 and OP 16

No glare found

PV array 2 and OP 17

No glare found

PV array 2 and OP 18

No glare found

PV array 2 and OP 19

No glare found

PV array 2 and OP 20

No glare found

PV array 2 and OP 21

No glare found

PV array 2 and OP 22

No glare found

PV array 2 and OP 23

No glare found

PV array 2 and OP 24

No glare found

PV array 2 and OP 25

No glare found

PV array 2 and OP 26

No glare found

PV array 2 and OP 27

No glare found

PV array 2 and OP 28

No glare found

PV array 2 and OP 29

No glare found

PV array 2 and OP 30

No glare found

PV array 2 and OP 31

No glare found

PV array 2 and OP 32

No glare found

PV array 2 and OP 33

No glare found

PV array 2 and OP 34

No glare found

PV array 2 and OP 35

No glare found

PV array 2 and OP 36

No glare found

PV array 2 and OP 37

No glare found

PV array 2 and OP 38

No glare found

PV array 2 and OP 39

No glare found

PV array 2 and OP 40

No glare found

PV array 2 and OP 41

No glare found

PV array 2 and OP 42

No glare found

PV array 2 and OP 43

No glare found

PV array 2 and OP 44

No glare found

PV array 2 and OP 45

No glare found

PV array 2 and OP 46

No glare found

PV array 2 and OP 47

No glare found

PV array 2 and OP 48

No glare found

PV array 2 and OP 49

No glare found

PV array 2 and OP 50

No glare found

PV array 2 and OP 51

No glare found

PV array 2 and OP 52

No glare found

PV array 2 and OP 53

No glare found

PV array 2 and OP 54

No glare found

PV array 2 and OP 55

No glare found

PV: PV array 3 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 3 and Route: E Baldree Road

No glare found

PV array 3 and Route: E Pittman Road

No glare found

PV array 3 and Route: KY-1241-1

No glare found

PV array 3 and Route: KY-1241-2

No glare found

PV array 3 and Route: KY-849

No glare found

PV array 3 and Route: Olden Road

No glare found

PV array 3 and Route: Old Plant Road

No glare found

PV array 3 and Route: US-45

No glare found

PV array 3 and Route: Whittemore Road

No glare found

PV array 3 and OP 1

No glare found

PV array 3 and OP 2

No glare found

PV array 3 and OP 3

No glare found

PV array 3 and OP 4

No glare found

PV array 3 and OP 5

No glare found

PV array 3 and OP 6

No glare found

PV array 3 and OP 7

No glare found

PV array 3 and OP 8

No glare found

PV array 3 and OP 9

No glare found

PV array 3 and OP 10

No glare found

PV array 3 and OP 11

No glare found

PV array 3 and OP 12

No glare found

PV array 3 and OP 13

No glare found

PV array 3 and OP 14

No glare found

PV array 3 and OP 15

No glare found

PV array 3 and OP 16

No glare found

PV array 3 and OP 17

No glare found

PV array 3 and OP 18

No glare found

PV array 3 and OP 19

No glare found

PV array 3 and OP 20

No glare found

PV array 3 and OP 21

No glare found

PV array 3 and OP 22

No glare found

PV array 3 and OP 23

No glare found

PV array 3 and OP 24

No glare found

PV array 3 and OP 25

No glare found

PV array 3 and OP 26

No glare found

PV array 3 and OP 27

No glare found

PV array 3 and OP 28

No glare found

PV array 3 and OP 29

No glare found

PV array 3 and OP 30

No glare found

PV array 3 and OP 31

No glare found

PV array 3 and OP 32

No glare found

PV array 3 and OP 33

No glare found

PV array 3 and OP 34

No glare found

PV array 3 and OP 35

No glare found

PV array 3 and OP 36

No glare found

PV array 3 and OP 37

No glare found

PV array 3 and OP 38

No glare found

PV array 3 and OP 39

No glare found

PV array 3 and OP 40

No glare found

PV array 3 and OP 41

No glare found

PV array 3 and OP 42

No glare found

PV array 3 and OP 43

No glare found

PV array 3 and OP 44

No glare found

PV array 3 and OP 45

No glare found

PV array 3 and OP 46

No glare found

PV array 3 and OP 47

No glare found

PV array 3 and OP 48

No glare found

PV array 3 and OP 49

No glare found

PV array 3 and OP 50

No glare found

PV array 3 and OP 51

No glare found

PV array 3 and OP 52

No glare found

PV array 3 and OP 53

No glare found

PV array 3 and OP 54

No glare found

PV array 3 and OP 55

No glare found

PV: PV array 4 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 4 and Route: E Baldree Road

No glare found

PV array 4 and Route: E Pittman Road

No glare found

PV array 4 and Route: KY-1241-1

No glare found

PV array 4 and Route: KY-1241-2

No glare found

PV array 4 and Route: KY-849

No glare found

PV array 4 and Route: Olden Road

No glare found

PV array 4 and Route: Old Plant Road

No glare found

PV array 4 and Route: US-45

No glare found

PV array 4 and Route: Whittemore Road

No glare found

PV array 4 and OP 1

No glare found

PV array 4 and OP 2

No glare found

PV array 4 and OP 3

No glare found

PV array 4 and OP 4

No glare found

PV array 4 and OP 5

No glare found

PV array 4 and OP 6

No glare found

PV array 4 and OP 7

No glare found

PV array 4 and OP 8

No glare found

PV array 4 and OP 9

No glare found

PV array 4 and OP 10

No glare found

PV array 4 and OP 11

No glare found

PV array 4 and OP 12

No glare found

PV array 4 and OP 13

No glare found

PV array 4 and OP 14

No glare found

PV array 4 and OP 15

No glare found

PV array 4 and OP 16

No glare found

PV array 4 and OP 17

No glare found

PV array 4 and OP 18

No glare found

PV array 4 and OP 19

No glare found

PV array 4 and OP 20

No glare found

PV array 4 and OP 21

No glare found

PV array 4 and OP 22

No glare found

PV array 4 and OP 23

No glare found

PV array 4 and OP 24

No glare found

PV array 4 and OP 25

No glare found

PV array 4 and OP 26

No glare found

PV array 4 and OP 27

No glare found

PV array 4 and OP 28

No glare found

PV array 4 and OP 29

No glare found

PV array 4 and OP 30

No glare found

PV array 4 and OP 31

No glare found

PV array 4 and OP 32

No glare found

PV array 4 and OP 33

No glare found

PV array 4 and OP 34

No glare found

PV array 4 and OP 35

No glare found

PV array 4 and OP 36

No glare found

PV array 4 and OP 37

No glare found

PV array 4 and OP 38

No glare found

PV array 4 and OP 39

No glare found

PV array 4 and OP 40

No glare found

PV array 4 and OP 41

No glare found

PV array 4 and OP 42

No glare found

PV array 4 and OP 43

No glare found

PV array 4 and OP 44

No glare found

PV array 4 and OP 45

No glare found

PV array 4 and OP 46

No glare found

PV array 4 and OP 47

No glare found

PV array 4 and OP 48

No glare found

PV array 4 and OP 49

No glare found

PV array 4 and OP 50

No glare found

PV array 4 and OP 51

No glare found

PV array 4 and OP 52

No glare found

PV array 4 and OP 53

No glare found

PV array 4 and OP 54

No glare found

PV array 4 and OP 55

No glare found

PV: PV array 5 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 5 and Route: E Baldree Road

No glare found

PV array 5 and Route: E Pittman Road

No glare found

PV array 5 and Route: KY-1241-1

No glare found

PV array 5 and Route: KY-1241-2

No glare found

PV array 5 and Route: KY-849

No glare found

PV array 5 and Route: Olden Road

No glare found

PV array 5 and Route: Old Plant Road

No glare found

PV array 5 and Route: US-45

No glare found

PV array 5 and Route: Whittemore Road

No glare found

PV array 5 and OP 1

No glare found

PV array 5 and OP 2

No glare found

PV array 5 and OP 3

No glare found

PV array 5 and OP 4

No glare found

PV array 5 and OP 5

No glare found

PV array 5 and OP 6

No glare found

PV array 5 and OP 7

No glare found

PV array 5 and OP 8

No glare found

PV array 5 and OP 9

No glare found

PV array 5 and OP 10

No glare found

PV array 5 and OP 11

No glare found

PV array 5 and OP 12

No glare found

PV array 5 and OP 13

No glare found

PV array 5 and OP 14

No glare found

PV array 5 and OP 15

No glare found

PV array 5 and OP 16

No glare found

PV array 5 and OP 17

No glare found

PV array 5 and OP 18

No glare found

PV array 5 and OP 19

No glare found

PV array 5 and OP 20

No glare found

PV array 5 and OP 21

No glare found

PV array 5 and OP 22

No glare found

PV array 5 and OP 23

No glare found

PV array 5 and OP 24

No glare found

PV array 5 and OP 25

No glare found

PV array 5 and OP 26

No glare found

PV array 5 and OP 27

No glare found

PV array 5 and OP 28

No glare found

PV array 5 and OP 29

No glare found

PV array 5 and OP 30

No glare found

PV array 5 and OP 31

No glare found

PV array 5 and OP 32

No glare found

PV array 5 and OP 33

No glare found

PV array 5 and OP 34

No glare found

PV array 5 and OP 35

No glare found

PV array 5 and OP 36

No glare found

PV array 5 and OP 37

No glare found

PV array 5 and OP 38

No glare found

PV array 5 and OP 39

No glare found

PV array 5 and OP 40

No glare found

PV array 5 and OP 41

No glare found

PV array 5 and OP 42

No glare found

PV array 5 and OP 43

No glare found

PV array 5 and OP 44

No glare found

PV array 5 and OP 45

No glare found

PV array 5 and OP 46

No glare found

PV array 5 and OP 47

No glare found

PV array 5 and OP 48

No glare found

PV array 5 and OP 49

No glare found

PV array 5 and OP 50

No glare found

PV array 5 and OP 51

No glare found

PV array 5 and OP 52

No glare found

PV array 5 and OP 53

No glare found

PV array 5 and OP 54

No glare found

PV array 5 and OP 55

No glare found

PV: PV array 6 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 6 and Route: E Baldree Road

No glare found

PV array 6 and Route: E Pittman Road

No glare found

PV array 6 and Route: KY-1241-1

No glare found

PV array 6 and Route: KY-1241-2

No glare found

PV array 6 and Route: KY-849

No glare found

PV array 6 and Route: Olden Road

No glare found

PV array 6 and Route: Old Plant Road

No glare found

PV array 6 and Route: US-45

No glare found

PV array 6 and Route: Whittemore Road

No glare found

PV array 6 and OP 1

No glare found

PV array 6 and OP 2

No glare found

PV array 6 and OP 3

No glare found

PV array 6 and OP 4

No glare found

PV array 6 and OP 5

No glare found

PV array 6 and OP 6

No glare found

PV array 6 and OP 7

No glare found

PV array 6 and OP 8

No glare found

PV array 6 and OP 9

No glare found

PV array 6 and OP 10

No glare found

PV array 6 and OP 11

No glare found

PV array 6 and OP 12

No glare found

PV array 6 and OP 13

No glare found

PV array 6 and OP 14

No glare found

PV array 6 and OP 15

No glare found

PV array 6 and OP 16

No glare found

PV array 6 and OP 17

No glare found

PV array 6 and OP 18

No glare found

PV array 6 and OP 19

No glare found

PV array 6 and OP 20

No glare found

PV array 6 and OP 21

No glare found

PV array 6 and OP 22

No glare found

PV array 6 and OP 23

No glare found

PV array 6 and OP 24

No glare found

PV array 6 and OP 25

No glare found

PV array 6 and OP 26

No glare found

PV array 6 and OP 27

No glare found

PV array 6 and OP 28

No glare found

PV array 6 and OP 29

No glare found

PV array 6 and OP 30

No glare found

PV array 6 and OP 31

No glare found

PV array 6 and OP 32

No glare found

PV array 6 and OP 33

No glare found

PV array 6 and OP 34

No glare found

PV array 6 and OP 35

No glare found

PV array 6 and OP 36

No glare found

PV array 6 and OP 37

No glare found

PV array 6 and OP 38

No glare found

PV array 6 and OP 39

No glare found

PV array 6 and OP 40

No glare found

PV array 6 and OP 41

No glare found

PV array 6 and OP 42

No glare found

PV array 6 and OP 43

No glare found

PV array 6 and OP 44

No glare found

PV array 6 and OP 45

No glare found

PV array 6 and OP 46

No glare found

PV array 6 and OP 47

No glare found

PV array 6 and OP 48

No glare found

PV array 6 and OP 49

No glare found

PV array 6 and OP 50

No glare found

PV array 6 and OP 51

No glare found

PV array 6 and OP 52

No glare found

PV array 6 and OP 53

No glare found

PV array 6 and OP 54

No glare found

PV array 6 and OP 55

No glare found

PV: PV array 7 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 7 and Route: E Baldree Road

No glare found

PV array 7 and Route: E Pittman Road

No glare found

PV array 7 and Route: KY-1241-1

No glare found

PV array 7 and Route: KY-1241-2

No glare found

PV array 7 and Route: KY-849

No glare found

PV array 7 and Route: Olden Road

No glare found

PV array 7 and Route: Old Plant Road

No glare found

PV array 7 and Route: US-45

No glare found

PV array 7 and Route: Whittemore Road

No glare found

PV array 7 and OP 1

No glare found

PV array 7 and OP 2

No glare found

PV array 7 and OP 3

No glare found

PV array 7 and OP 4

No glare found

PV array 7 and OP 5

No glare found

PV array 7 and OP 6

No glare found

PV array 7 and OP 7

No glare found

PV array 7 and OP 8

No glare found

PV array 7 and OP 9

No glare found

PV array 7 and OP 10

No glare found

PV array 7 and OP 11

No glare found

PV array 7 and OP 12

No glare found

PV array 7 and OP 13

No glare found

PV array 7 and OP 14

No glare found

PV array 7 and OP 15

No glare found

PV array 7 and OP 16

No glare found

PV array 7 and OP 17

No glare found

PV array 7 and OP 18

No glare found

PV array 7 and OP 19

No glare found

PV array 7 and OP 20

No glare found

PV array 7 and OP 21

No glare found

PV array 7 and OP 22

No glare found

PV array 7 and OP 23

No glare found

PV array 7 and OP 24

No glare found

PV array 7 and OP 25

No glare found

PV array 7 and OP 26

No glare found

PV array 7 and OP 27

No glare found

PV array 7 and OP 28

No glare found

PV array 7 and OP 29

No glare found

PV array 7 and OP 30

No glare found

PV array 7 and OP 31

No glare found

PV array 7 and OP 32

No glare found

PV array 7 and OP 33

No glare found

PV array 7 and OP 34

No glare found

PV array 7 and OP 35

No glare found

PV array 7 and OP 36

No glare found

PV array 7 and OP 37

No glare found

PV array 7 and OP 38

No glare found

PV array 7 and OP 39

No glare found

PV array 7 and OP 40

No glare found

PV array 7 and OP 41

No glare found

PV array 7 and OP 42

No glare found

PV array 7 and OP 43

No glare found

PV array 7 and OP 44

No glare found

PV array 7 and OP 45

No glare found

PV array 7 and OP 46

No glare found

PV array 7 and OP 47

No glare found

PV array 7 and OP 48

No glare found

PV array 7 and OP 49

No glare found

PV array 7 and OP 50

No glare found

PV array 7 and OP 51

No glare found

PV array 7 and OP 52

No glare found

PV array 7 and OP 53

No glare found

PV array 7 and OP 54

No glare found

PV array 7 and OP 55

No glare found

PV: PV array 8 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 8 and Route: E Baldree Road

No glare found

PV array 8 and Route: E Pittman Road

No glare found

PV array 8 and Route: KY-1241-1

No glare found

PV array 8 and Route: KY-1241-2

No glare found

PV array 8 and Route: KY-849

No glare found

PV array 8 and Route: Olden Road

No glare found

PV array 8 and Route: Old Plant Road

No glare found

PV array 8 and Route: US-45

No glare found

PV array 8 and Route: Whittemore Road

No glare found

PV array 8 and OP 1

No glare found

PV array 8 and OP 2

No glare found

PV array 8 and OP 3

No glare found

PV array 8 and OP 4

No glare found

PV array 8 and OP 5

No glare found

PV array 8 and OP 6

No glare found

PV array 8 and OP 7

No glare found

PV array 8 and OP 8

No glare found

PV array 8 and OP 9

No glare found

PV array 8 and OP 10

No glare found

PV array 8 and OP 11

No glare found

PV array 8 and OP 12

No glare found

PV array 8 and OP 13

No glare found

PV array 8 and OP 14

No glare found

PV array 8 and OP 15

No glare found

PV array 8 and OP 16

No glare found

PV array 8 and OP 17

No glare found

PV array 8 and OP 18

No glare found

PV array 8 and OP 19

No glare found

PV array 8 and OP 20

No glare found

PV array 8 and OP 21

No glare found

PV array 8 and OP 22

No glare found

PV array 8 and OP 23

No glare found

PV array 8 and OP 24

No glare found

PV array 8 and OP 25

No glare found

PV array 8 and OP 26

No glare found

PV array 8 and OP 27

No glare found

PV array 8 and OP 28

No glare found

PV array 8 and OP 29

No glare found

PV array 8 and OP 30

No glare found

PV array 8 and OP 31

No glare found

PV array 8 and OP 32

No glare found

PV array 8 and OP 33

No glare found

PV array 8 and OP 34

No glare found

PV array 8 and OP 35

No glare found

PV array 8 and OP 36

No glare found

PV array 8 and OP 37

No glare found

PV array 8 and OP 38

No glare found

PV array 8 and OP 39

No glare found

PV array 8 and OP 40

No glare found

PV array 8 and OP 41

No glare found

PV array 8 and OP 42

No glare found

PV array 8 and OP 43

No glare found

PV array 8 and OP 44

No glare found

PV array 8 and OP 45

No glare found

PV array 8 and OP 46

No glare found

PV array 8 and OP 47

No glare found

PV array 8 and OP 48

No glare found

PV array 8 and OP 49

No glare found

PV array 8 and OP 50

No glare found

PV array 8 and OP 51

No glare found

PV array 8 and OP 52

No glare found

PV array 8 and OP 53

No glare found

PV array 8 and OP 54

No glare found

PV array 8 and OP 55

No glare found

PV: PV array 9 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 9 and Route: E Baldree Road

No glare found

PV array 9 and Route: E Pittman Road

No glare found

PV array 9 and Route: KY-1241-1

No glare found

PV array 9 and Route: KY-1241-2

No glare found

PV array 9 and Route: KY-849

No glare found

PV array 9 and Route: Olden Road

No glare found

PV array 9 and Route: Old Plant Road

No glare found

PV array 9 and Route: US-45

No glare found

PV array 9 and Route: Whittemore Road

No glare found

PV array 9 and OP 1

No glare found

PV array 9 and OP 2

No glare found

PV array 9 and OP 3

No glare found

PV array 9 and OP 4

No glare found

PV array 9 and OP 5

No glare found

PV array 9 and OP 6

No glare found

PV array 9 and OP 7

No glare found

PV array 9 and OP 8

No glare found

PV array 9 and OP 9

No glare found

PV array 9 and OP 10

No glare found

PV array 9 and OP 11

No glare found

PV array 9 and OP 12

No glare found

PV array 9 and OP 13

No glare found

PV array 9 and OP 14

No glare found

PV array 9 and OP 15

No glare found

PV array 9 and OP 16

No glare found

PV array 9 and OP 17

No glare found

PV array 9 and OP 18

No glare found

PV array 9 and OP 19

No glare found

PV array 9 and OP 20

No glare found

PV array 9 and OP 21

No glare found

PV array 9 and OP 22

No glare found

PV array 9 and OP 23

No glare found

PV array 9 and OP 24

No glare found

PV array 9 and OP 25

No glare found

PV array 9 and OP 26

No glare found

PV array 9 and OP 27

No glare found

PV array 9 and OP 28

No glare found

PV array 9 and OP 29

No glare found

PV array 9 and OP 30

No glare found

PV array 9 and OP 31

No glare found

PV array 9 and OP 32

No glare found

PV array 9 and OP 33

No glare found

PV array 9 and OP 34

No glare found

PV array 9 and OP 35

No glare found

PV array 9 and OP 36

No glare found

PV array 9 and OP 37

No glare found

PV array 9 and OP 38

No glare found

PV array 9 and OP 39

No glare found

PV array 9 and OP 40

No glare found

PV array 9 and OP 41

No glare found

PV array 9 and OP 42

No glare found

PV array 9 and OP 43

No glare found

PV array 9 and OP 44

No glare found

PV array 9 and OP 45

No glare found

PV array 9 and OP 46

No glare found

PV array 9 and OP 47

No glare found

PV array 9 and OP 48

No glare found

PV array 9 and OP 49

No glare found

PV array 9 and OP 50

No glare found

PV array 9 and OP 51

No glare found

PV array 9 and OP 52

No glare found

PV array 9 and OP 53

No glare found

PV array 9 and OP 54

No glare found

PV array 9 and OP 55

No glare found

Assumptions

"Green" glare is glare with low potential to cause an after-image (flash blindness) when observed prior to a typical blink response time.
"Yellow" glare is glare with potential to cause an after-image (flash blindness) when observed prior to a typical blink response time.
Times associated with glare are denoted in Standard time. For Daylight Savings, add one hour.
The algorithm does not rigorously represent the detailed geometry of a system; detailed features such as gaps between modules, variable height of the PV array, and support structures may impact actual glare results. However, we have validated our models against several systems, including a PV array causing glare to the air-traffic control tower at Manchester-Boston Regional Airport and several sites in Albuquerque, and the tool accurately predicted the occurrence and intensity of glare at different times and days of the year.
Several V1 calculations utilize the PV array centroid, rather than the actual glare spot location, due to algorithm limitations. This may affect results for large PV footprints. Additional analyses of array sub-sections can provide additional information on expected glare. This primarily affects V1 analyses of path receptors.
Random number computations are utilized by various steps of the annual hazard analysis algorithm. Predicted minutes of glare can vary between runs as a result. This limitation primarily affects analyses of Observation Point receptors, including ATCTs. Note that the SGHAT/ ForgeSolar methodology has always relied on an analytical, qualitative approach to accurately determine the overall hazard (i.e. green vs. yellow) of expected glare on an annual basis.
The analysis does not automatically consider obstacles (either man-made or natural) between the observation points and the prescribed solar installation that may obstruct observed glare, such as trees, hills, buildings, etc.
The subtended source angle (glare spot size) is constrained by the PV array footprint size. Partitioning large arrays into smaller sections will reduce the maximum potential subtended angle, potentially impacting results if actual glare spots are larger than the sub-array size. Additional analyses of the combined area of adjacent sub-arrays can provide more information on potential glare hazards. (See previous point on related limitations.)
The variable direct normal irradiance (DNI) feature (if selected) scales the user-prescribed peak DNI using a typical clear-day irradiance profile. This profile has a lower DNI in the mornings and evenings and a maximum at solar noon. The scaling uses a clear-day irradiance profile based on a normalized time relative to sunrise, solar noon, and sunset, which are prescribed by a sun-position algorithm and the latitude and longitude obtained from Google maps. The actual DNI on any given day can be affected by cloud cover, atmospheric attenuation, and other environmental factors.
The ocular hazard predicted by the tool depends on a number of environmental, optical, and human factors, which can be uncertain. We provide input fields and typical ranges of values for these factors so that the user can vary these parameters to see if they have an impact on the results. The speed of SGHAT allows expedited sensitivity and parametric analyses.
The system output calculation is a DNI-based approximation that assumes clear, sunny skies year-round. It should not be used in place of more rigorous modeling methods.
Hazard zone boundaries shown in the Glare Hazard plot are an approximation and visual aid based on aggregated research data. Actual ocular impact outcomes encompass a continuous, not discrete, spectrum.
Glare locations displayed on receptor plots are approximate. Actual glare-spot locations may differ.
Refer to the Help page at **www.forgesolar.com/help/** for assumptions and limitations not listed here.

Default glare analysis parameters and observer eye characteristics (for reference only):

- Analysis time interval: 1 minute
- Ocular transmission coefficient: 0.5
- Pupil diameter: 0.002 meters
- Eye focal length: 0.017 meters
- Sun subtended angle: 9.3 milliradians

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FORGESOLAR GLARE ANALYSIS

Project: **Mayfield Solar**
Site configuration: **South Arrays Analysis 2- 2nd Story**

Created 05 Dec, 2025
Updated 08 Dec, 2025
Time-step 1 minute
Timezone offset UTC-6
Minimum sun altitude 0.0 deg
DNI peaks at 1,000.0 W/m^2
Category 100 MW to 1 GW
Site ID 166517.27781

Ocular transmission coefficient 0.5
Pupil diameter 0.002 m
Eye focal length 0.017 m
Sun subtended angle 9.3 mrad
PV analysis methodology V2

Summary of Results No glare predicted

PV Array	Tilt	Orient	Annual Green Glare		Annual Yellow Glare		Energy
	°	°	min	hr	min	hr	kWh
PV array 1	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 10	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 11	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 12	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 13	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 14	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 15	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 2	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 3	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 4	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 5	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 6	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 7	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 8	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 9	SA tracking	SA tracking	0	0.0	0	0.0	-

Total glare received by each receptor; may include duplicate times of glare from multiple reflective surfaces.

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

Component Data

PV Arrays

Name: PV array 1
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.882134	-88.655483	404.62	5.00	409.62
2	36.882158	-88.654762	403.56	5.00	408.56
3	36.882447	-88.654762	402.60	5.00	407.60
4	36.882469	-88.653789	400.98	5.00	405.98
5	36.882760	-88.653788	402.36	5.00	407.36
6	36.882775	-88.652479	400.06	5.00	405.06
7	36.882498	-88.652472	400.78	5.00	405.78
8	36.882505	-88.652234	400.61	5.00	405.61
9	36.881024	-88.652211	402.31	5.00	407.31
10	36.880951	-88.655061	402.70	5.00	407.70
11	36.881563	-88.655073	403.32	5.00	408.32
12	36.881549	-88.655454	405.36	5.00	410.36

Name: PV array 10
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.871849	-88.649877	397.08	5.00	402.08
2	36.871909	-88.647466	398.00	5.00	403.00
3	36.870730	-88.647420	396.31	5.00	401.31
4	36.870739	-88.646785	396.90	5.00	401.90
5	36.870438	-88.646749	397.37	5.00	402.37
6	36.870138	-88.646996	397.63	5.00	402.63
7	36.870092	-88.647913	397.63	5.00	402.63
8	36.869533	-88.647888	398.72	5.00	403.72
9	36.868923	-88.647931	397.75	5.00	402.75
10	36.868328	-88.648035	396.95	5.00	401.95
11	36.868265	-88.649801	401.90	5.00	406.90
12	36.868872	-88.649826	400.60	5.00	405.60
13	36.869471	-88.649724	403.23	5.00	408.23
14	36.869484	-88.649466	402.06	5.00	407.06
15	36.870414	-88.649487	399.49	5.00	404.49
16	36.870362	-88.650548	400.28	5.00	405.28
17	36.870968	-88.650564	399.28	5.00	404.28
18	36.871571	-88.650259	398.84	5.00	403.84
19	36.871580	-88.649868	399.00	5.00	404.00

Name: PV array 11
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.867354	-88.651970	407.91	5.00	412.91
2	36.867392	-88.651174	407.54	5.00	412.54
3	36.867660	-88.651174	406.96	5.00	411.96
4	36.867735	-88.648618	400.91	5.00	405.91
5	36.865661	-88.648502	402.29	5.00	407.29
6	36.865623	-88.648857	403.63	5.00	408.63
7	36.864765	-88.648804	406.13	5.00	411.13
8	36.864796	-88.647413	398.47	5.00	403.47
9	36.863313	-88.647326	402.12	5.00	407.12
10	36.863158	-88.651932	421.39	5.00	426.39
11	36.864970	-88.652044	422.02	5.00	427.02
12	36.865281	-88.651948	420.60	5.00	425.60
13	36.866460	-88.651941	413.86	5.00	418.86

Name: PV array 12
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.868452	-88.654710	420.47	5.00	425.47
2	36.868470	-88.653644	414.01	5.00	419.01
3	36.868741	-88.653624	413.42	5.00	418.42
4	36.868768	-88.652992	407.64	5.00	412.64
5	36.867584	-88.652963	411.31	5.00	416.31
6	36.867521	-88.653391	415.94	5.00	420.94
7	36.866394	-88.653333	413.59	5.00	418.59
8	36.866402	-88.652837	413.55	5.00	418.55
9	36.865214	-88.652760	416.33	5.00	421.33
10	36.864031	-88.652800	422.61	5.00	427.61
11	36.863700	-88.653032	426.29	5.00	431.29
12	36.863419	-88.653507	424.21	5.00	429.21
13	36.863338	-88.654744	428.77	5.00	433.77
14	36.863647	-88.654977	428.94	5.00	433.94
15	36.863980	-88.655064	426.66	5.00	431.66
16	36.864543	-88.655095	423.35	5.00	428.35
17	36.865712	-88.655039	417.70	5.00	422.70
18	36.866954	-88.655031	416.42	5.00	421.42
19	36.866969	-88.654730	418.59	5.00	423.59
20	36.867551	-88.654740	416.94	5.00	421.94

Name: PV array 13
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.869461	-88.660187	429.88	5.00	434.88
2	36.869490	-88.658865	428.79	5.00	433.79
3	36.869347	-88.658544	423.85	5.00	428.85
4	36.869508	-88.658200	424.05	5.00	429.05
5	36.869514	-88.657353	419.15	5.00	424.15
6	36.869233	-88.657339	418.77	5.00	423.77
7	36.869187	-88.657684	419.53	5.00	424.53
8	36.868928	-88.657662	417.64	5.00	422.64
9	36.868888	-88.658165	422.11	5.00	427.11
10	36.868768	-88.658495	420.13	5.00	425.13
11	36.868590	-88.658861	419.74	5.00	424.74
12	36.868521	-88.660138	422.92	5.00	427.92

Name: PV array 14
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.867683	-88.659600	420.66	5.00	425.66
2	36.867702	-88.659007	424.12	5.00	429.12
3	36.867984	-88.659009	419.24	5.00	424.24
4	36.867995	-88.658445	419.59	5.00	424.59
5	36.868116	-88.658089	415.78	5.00	420.78
6	36.868147	-88.657134	416.74	5.00	421.74
7	36.866994	-88.657041	425.40	5.00	430.40
8	36.866676	-88.656990	426.28	5.00	431.28
9	36.866698	-88.656316	423.06	5.00	428.06
10	36.866099	-88.656278	424.59	5.00	429.59
11	36.866069	-88.656740	426.47	5.00	431.47
12	36.865199	-88.656688	426.50	5.00	431.50
13	36.864898	-88.656759	425.23	5.00	430.23
14	36.864845	-88.657973	426.41	5.00	431.41
15	36.865602	-88.658039	431.42	5.00	436.42
16	36.865535	-88.660077	438.25	5.00	443.25
17	36.866734	-88.660150	433.89	5.00	438.89
18	36.866746	-88.659560	431.43	5.00	436.43

Name: PV array 15
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.863866	-88.656939	426.99	5.00	431.99
2	36.863885	-88.656503	429.95	5.00	434.95
3	36.862715	-88.656435	434.04	5.00	439.04
4	36.862690	-88.657281	430.64	5.00	435.64
5	36.862743	-88.657490	428.79	5.00	433.79
6	36.863342	-88.657506	427.12	5.00	432.12
7	36.863346	-88.657317	426.98	5.00	431.98
8	36.863579	-88.657328	425.65	5.00	430.65
9	36.863587	-88.656933	429.53	5.00	434.53

Name: PV array 2
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.880344	-88.655262	406.84	5.00	411.84
2	36.880394	-88.652741	401.38	5.00	406.38
3	36.880170	-88.652067	399.07	5.00	404.07
4	36.880199	-88.650990	401.35	5.00	406.35
5	36.879912	-88.650977	404.49	5.00	409.49
6	36.879915	-88.649802	403.70	5.00	408.70
7	36.879325	-88.649726	402.05	5.00	407.05
8	36.878148	-88.649687	400.80	5.00	405.80
9	36.877565	-88.649834	400.76	5.00	405.76
10	36.877490	-88.652480	405.00	5.00	410.00
11	36.877434	-88.653114	405.01	5.00	410.01
12	36.877376	-88.655469	410.45	5.00	415.45
13	36.877949	-88.655493	409.66	5.00	414.66
14	36.877951	-88.655364	410.17	5.00	415.17
15	36.879441	-88.655416	405.69	5.00	410.69
16	36.879754	-88.655233	407.30	5.00	412.30

Name: PV array 3
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.880059	-88.656921	407.28	5.00	412.28
2	36.880068	-88.656566	408.34	5.00	413.34
3	36.878877	-88.656521	409.61	5.00	414.61
4	36.878883	-88.656193	409.70	5.00	414.70
5	36.878306	-88.656171	409.68	5.00	414.68
6	36.877089	-88.656910	414.19	5.00	419.19
7	36.877058	-88.658302	414.29	5.00	419.29
8	36.878831	-88.658372	408.07	5.00	413.07
9	36.878845	-88.657720	410.06	5.00	415.06
10	36.879136	-88.657730	408.13	5.00	413.13
11	36.879741	-88.657693	409.15	5.00	414.15
12	36.879761	-88.656907	407.52	5.00	412.52

Name: PV array 4
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



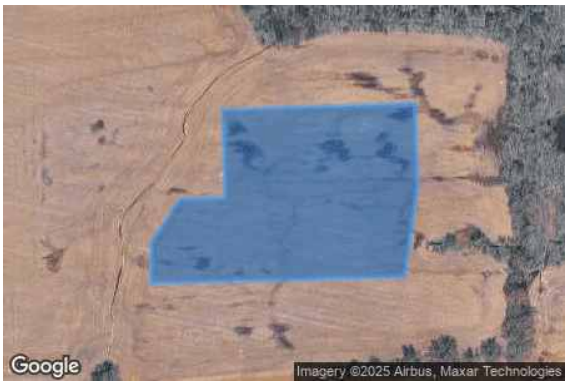
Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.876675	-88.658291	414.48	5.00	419.48
2	36.876697	-88.657219	414.65	5.00	419.65
3	36.876119	-88.657003	420.50	5.00	425.50
4	36.875555	-88.656981	421.52	5.00	426.52
5	36.874919	-88.656956	420.49	5.00	425.49
6	36.873752	-88.656915	419.61	5.00	424.61
7	36.873703	-88.658530	422.84	5.00	427.84
8	36.873127	-88.658505	420.15	5.00	425.15
9	36.873092	-88.659981	426.75	5.00	431.75
10	36.874252	-88.660025	425.59	5.00	430.59
11	36.874858	-88.659983	425.88	5.00	430.88
12	36.875438	-88.660005	419.39	5.00	424.39
13	36.875451	-88.659422	423.38	5.00	428.38
14	36.876359	-88.659447	410.89	5.00	415.89
15	36.876387	-88.658285	416.26	5.00	421.26

Name: PV array 5
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.876809	-88.655858	412.97	5.00	417.97
2	36.876862	-88.653889	406.14	5.00	411.14
3	36.876559	-88.653818	407.14	5.00	412.14
4	36.875702	-88.653778	407.67	5.00	412.67
5	36.875689	-88.654230	409.20	5.00	414.20
6	36.874787	-88.654195	409.29	5.00	414.29
7	36.874493	-88.654383	409.21	5.00	414.21
8	36.873586	-88.654535	408.92	5.00	413.92
9	36.873555	-88.655934	412.65	5.00	417.65
10	36.873840	-88.656149	413.65	5.00	418.65
11	36.875030	-88.656195	416.65	5.00	421.65
12	36.876221	-88.656171	415.91	5.00	420.91
13	36.876519	-88.656123	413.95	5.00	418.95

Name: PV array 6
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.874927	-88.653473	406.48	5.00	411.48
2	36.874970	-88.651821	405.53	5.00	410.53
3	36.874396	-88.651800	403.90	5.00	408.90
4	36.873786	-88.651909	406.50	5.00	411.50
5	36.873744	-88.654084	409.23	5.00	414.23
6	36.874021	-88.654084	410.08	5.00	415.08
7	36.874317	-88.653841	408.76	5.00	413.76
8	36.874323	-88.653450	408.83	5.00	413.83

Name: PV array 7
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.871372	-88.663968	432.29	5.00	437.29
2	36.871417	-88.662270	435.30	5.00	440.30
3	36.872021	-88.662291	432.30	5.00	437.30
4	36.872076	-88.659913	426.37	5.00	431.37
5	36.872377	-88.659904	424.64	5.00	429.64
6	36.872400	-88.658631	419.59	5.00	424.59
7	36.871822	-88.658611	425.05	5.00	430.05
8	36.871535	-88.658725	424.71	5.00	429.71
9	36.870346	-88.658735	421.65	5.00	426.65
10	36.870273	-88.661870	433.20	5.00	438.20
11	36.869857	-88.661892	435.07	5.00	440.07
12	36.869805	-88.663725	435.69	5.00	440.69
13	36.869603	-88.663720	435.94	5.00	440.94
14	36.869592	-88.663946	436.17	5.00	441.17
15	36.870168	-88.663962	433.26	5.00	438.26
16	36.870797	-88.663941	431.61	5.00	436.61

Name: PV array 8
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.872359	-88.654907	413.85	5.00	418.85
2	36.872410	-88.653116	413.40	5.00	418.40
3	36.872522	-88.653098	415.13	5.00	420.13
4	36.872551	-88.652909	411.72	5.00	416.72
5	36.871974	-88.652882	411.34	5.00	416.34
6	36.871487	-88.652874	409.82	5.00	414.82
7	36.870923	-88.652849	408.88	5.00	413.88
8	36.870885	-88.653224	411.78	5.00	416.78
9	36.870024	-88.653191	407.80	5.00	412.80
10	36.869970	-88.654830	409.06	5.00	414.06
11	36.870571	-88.654913	413.98	5.00	418.98
12	36.871152	-88.654933	413.23	5.00	418.23
13	36.872048	-88.654903	413.78	5.00	418.78

Name: PV array 9
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.873011	-88.651991	406.93	5.00	411.93
2	36.873033	-88.650569	401.11	5.00	406.11
3	36.873666	-88.650588	401.16	5.00	406.16
4	36.873699	-88.649477	399.34	5.00	404.34
5	36.873424	-88.649418	402.46	5.00	407.46
6	36.872819	-88.649381	404.46	5.00	409.46
7	36.872767	-88.650561	404.62	5.00	409.62
8	36.872454	-88.650546	404.83	5.00	409.83
9	36.872424	-88.651129	408.42	5.00	413.42
10	36.872149	-88.651118	408.48	5.00	413.48
11	36.872112	-88.651763	406.89	5.00	411.89
12	36.871532	-88.651746	404.32	5.00	409.32
13	36.871513	-88.651943	403.93	5.00	408.93

Route Receptors

Name: E Baldree Road
Path type: Two-way
Azimuthal view angle: 50.0°
Downward view angle: 0.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.906012	-88.675249	413.02	7.50	420.52
2	36.905875	-88.666741	394.58	7.50	402.08
3	36.905834	-88.664252	396.08	7.50	403.58
4	36.900226	-88.664386	401.89	7.50	409.39
5	36.897237	-88.664435	405.06	7.50	412.56
6	36.894021	-88.664545	404.03	7.50	411.53
7	36.893700	-88.664526	403.26	7.50	410.76
8	36.891113	-88.664588	410.51	7.50	418.01
9	36.886953	-88.664661	418.31	7.50	425.81
10	36.884807	-88.664705	424.74	7.50	432.24
11	36.883636	-88.664742	415.79	7.50	423.29

Name: E Pittman Road
Path type: Two-way
Azimuthal view angle: 50.0°
Downward view angle: 0.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.894651	-88.677824	432.34	7.50	439.84
2	36.894583	-88.676151	428.19	7.50	435.69
3	36.894535	-88.675239	425.78	7.50	433.28
4	36.894377	-88.674649	429.61	7.50	437.11
5	36.893965	-88.673694	427.96	7.50	435.46
6	36.893922	-88.673265	425.32	7.50	432.82
7	36.893840	-88.669325	423.82	7.50	431.32
8	36.893755	-88.664987	404.24	7.50	411.74
9	36.893772	-88.664536	403.56	7.50	411.06

Name: KY-1241-1
Path type: Two-way
Azimuthal view angle: 50.0°
Downward view angle: 0.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.862060	-88.665026	443.05	7.50	450.55
2	36.862420	-88.665117	443.43	7.50	450.93
3	36.863446	-88.665147	440.17	7.50	447.67
4	36.864886	-88.665107	432.18	7.50	439.68
5	36.867083	-88.665069	433.31	7.50	440.81
6	36.867877	-88.665056	438.44	7.50	445.94
7	36.868704	-88.665249	431.80	7.50	439.30
8	36.869465	-88.665646	423.73	7.50	431.23
9	36.870185	-88.666217	413.05	7.50	420.55
10	36.872747	-88.668392	410.35	7.50	417.85
11	36.874813	-88.670158	423.41	7.50	430.91
12	36.876354	-88.671459	432.93	7.50	440.43
13	36.877210	-88.671941	428.71	7.50	436.21
14	36.878259	-88.672259	427.78	7.50	435.28
15	36.879868	-88.672587	438.79	7.50	446.29
16	36.880396	-88.672818	433.17	7.50	440.67
17	36.881141	-88.673263	429.62	7.50	437.12
18	36.881865	-88.673699	436.41	7.50	443.91
19	36.883043	-88.674329	441.46	7.50	448.96
20	36.883851	-88.674752	440.87	7.50	448.37
21	36.884925	-88.675264	434.59	7.50	442.09
22	36.885594	-88.675613	437.93	7.50	445.43
23	36.886048	-88.675985	433.24	7.50	440.74
24	36.887001	-88.676673	425.74	7.50	433.24
25	36.888943	-88.678120	421.25	7.50	428.75
26	36.889276	-88.678286	418.79	7.50	426.29
27	36.889600	-88.678248	417.36	7.50	424.86
28	36.889941	-88.678173	421.63	7.50	429.13
29	36.890113	-88.678216	425.60	7.50	433.10
30	36.890226	-88.678551	427.57	7.50	435.07

Name: KY-1241-2
Path type: Two-way
Azimuthal view angle: 50.0°
Downward view angle: 0.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.890228	-88.678568	427.45	7.50	434.95
2	36.890306	-88.679133	427.40	7.50	434.90
3	36.890464	-88.679447	428.86	7.50	436.36
4	36.891406	-88.680305	433.94	7.50	441.44
5	36.892674	-88.681170	439.11	7.50	446.61
6	36.893750	-88.681784	440.11	7.50	447.61
7	36.895221	-88.682636	436.79	7.50	444.29
8	36.895816	-88.682837	434.01	7.50	441.51
9	36.896315	-88.682923	435.59	7.50	443.09
10	36.898282	-88.682925	437.45	7.50	444.95
11	36.901237	-88.682941	418.12	7.50	425.62
12	36.902470	-88.682863	423.18	7.50	430.68
13	36.904227	-88.682787	413.77	7.50	421.27
14	36.908371	-88.682743	419.36	7.50	426.86
15	36.910960	-88.682715	418.64	7.50	426.14
16	36.912936	-88.682858	402.74	7.50	410.24
17	36.913508	-88.682825	403.16	7.50	410.66
18	36.914609	-88.682697	402.84	7.50	410.34
19	36.915862	-88.682611	413.63	7.50	421.13
20	36.917705	-88.682595	410.61	7.50	418.11
21	36.918263	-88.682670	407.53	7.50	415.03
22	36.919175	-88.683078	400.52	7.50	408.02
23	36.920895	-88.683976	409.67	7.50	417.17
24	36.921727	-88.684373	410.82	7.50	418.32
25	36.923264	-88.684823	406.77	7.50	414.27
26	36.926015	-88.685557	399.12	7.50	406.62
27	36.926564	-88.685637	396.37	7.50	403.87
28	36.930266	-88.685602	389.86	7.50	397.36
29	36.936762	-88.685461	376.80	7.50	384.30
30	36.937594	-88.685375	374.87	7.50	382.37

Name: KY-849
Path type: Two-way
Azimuthal view angle: 50.0°
Downward view angle: 0.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.883854	-88.674770	441.05	7.50	448.55
2	36.883773	-88.671380	433.35	7.50	440.85
3	36.883665	-88.666798	416.93	7.50	424.43
4	36.883627	-88.665109	415.07	7.50	422.57
5	36.883640	-88.664165	411.75	7.50	419.25
6	36.883905	-88.660982	403.82	7.50	411.32
7	36.884121	-88.658418	397.42	7.50	404.92
8	36.884276	-88.655489	399.69	7.50	407.19
9	36.884632	-88.651017	399.19	7.50	406.69
10	36.884919	-88.648029	393.93	7.50	401.43
11	36.885006	-88.646823	396.14	7.50	403.64
12	36.884809	-88.643604	393.43	7.50	400.93
13	36.884507	-88.639400	393.88	7.50	401.38
14	36.884533	-88.638847	394.79	7.50	402.29
15	36.884825	-88.637876	397.13	7.50	404.63
16	36.885271	-88.636761	397.22	7.50	404.72
17	36.885430	-88.636396	387.52	7.50	395.02
18	36.885653	-88.635773	400.85	7.50	408.35
19	36.885766	-88.635108	397.70	7.50	405.20
20	36.885766	-88.634658	397.33	7.50	404.83

Name: Olden Road
Path type: Two-way
Azimuthal view angle: 50.0°
Downward view angle: 0.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.862075	-88.665003	442.89	7.50	450.39
2	36.862160	-88.661969	432.87	7.50	440.37
3	36.862212	-88.660134	427.19	7.50	434.69
4	36.862276	-88.657842	428.35	7.50	435.85
5	36.862342	-88.655542	433.06	7.50	440.56
6	36.862385	-88.654617	431.62	7.50	439.12

Name: Old Plant Road
Path type: Two-way
Azimuthal view angle: 50.0°
Downward view angle: 0.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.871867	-88.667616	412.11	7.50	419.61
2	36.871996	-88.667493	413.19	7.50	420.69
3	36.872097	-88.667289	413.54	7.50	421.04
4	36.872148	-88.666629	412.79	7.50	420.29
5	36.872338	-88.663870	410.46	7.50	417.96
6	36.872460	-88.662081	429.10	7.50	436.60
7	36.872491	-88.661499	428.55	7.50	436.05
8	36.872608	-88.659842	423.23	7.50	430.73
9	36.872790	-88.657683	419.36	7.50	426.86
10	36.872838	-88.656797	416.24	7.50	423.74
11	36.872866	-88.656445	412.31	7.50	419.81

Name: US-45
Path type: Two-way
Azimuthal view angle: 50.0°
Downward view angle: 0.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.930617	-88.673065	389.95	7.50	397.45
2	36.924070	-88.673404	384.61	7.50	392.11
3	36.920655	-88.673586	385.54	7.50	393.04
4	36.916228	-88.673849	393.75	7.50	401.25
5	36.912312	-88.674080	400.29	7.50	407.79
6	36.910635	-88.674203	404.96	7.50	412.46
7	36.909043	-88.674434	405.94	7.50	413.44
8	36.905050	-88.675320	420.09	7.50	427.59
9	36.899695	-88.676536	420.74	7.50	428.24
10	36.894956	-88.677574	434.38	7.50	441.88
11	36.890347	-88.678619	426.95	7.50	434.45
12	36.886398	-88.679514	445.47	7.50	452.97
13	36.884065	-88.680002	454.14	7.50	461.64
14	36.882837	-88.680179	455.83	7.50	463.33
15	36.881019	-88.680281	462.59	7.50	470.09
16	36.879372	-88.680233	466.44	7.50	473.94
17	36.877607	-88.679987	473.31	7.50	480.81
18	36.876286	-88.679736	470.46	7.50	477.96
19	36.873602	-88.678857	449.73	7.50	457.23
20	36.870769	-88.677473	428.52	7.50	436.02
21	36.863806	-88.673131	453.57	7.50	461.07
22	36.857980	-88.669467	483.07	7.50	490.57
23	36.855739	-88.668175	477.02	7.50	484.52
24	36.855052	-88.667660	477.31	7.50	484.81
25	36.851325	-88.665329	465.24	7.50	472.74
26	36.847719	-88.663409	438.79	7.50	446.29

Name: Whittemore Road
Path type: Two-way
Azimuthal view angle: 50.0°
Downward view angle: 0.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.855436	-88.656226	426.76	7.50	434.26
2	36.858578	-88.656135	436.01	7.50	443.51
3	36.859113	-88.656066	441.30	7.50	448.80
4	36.860920	-88.655245	439.42	7.50	446.92
5	36.862187	-88.654604	433.73	7.50	441.23
6	36.862513	-88.654620	431.59	7.50	439.09
7	36.862762	-88.654685	435.45	7.50	442.95
8	36.863620	-88.655430	433.57	7.50	441.07
9	36.867191	-88.655382	416.34	7.50	423.84
10	36.870534	-88.655318	412.18	7.50	419.68
11	36.871051	-88.655312	412.53	7.50	420.03
12	36.871712	-88.655554	417.98	7.50	425.48
13	36.872184	-88.655881	415.04	7.50	422.54
14	36.872829	-88.656417	411.87	7.50	419.37
15	36.873374	-88.656562	413.21	7.50	420.71
16	36.876118	-88.656503	415.97	7.50	423.47
17	36.876899	-88.656492	413.43	7.50	420.93
18	36.877448	-88.656256	409.88	7.50	417.38
19	36.877869	-88.655916	409.27	7.50	416.77
20	36.878401	-88.655729	407.54	7.50	415.04
21	36.879517	-88.655707	405.32	7.50	412.82
22	36.884266	-88.655796	399.35	7.50	406.85

Discrete Observation Point Receptors

Name	ID	Latitude (°)	Longitude (°)	Elevation (ft)	Height (ft)
OP 1	1	36.927372	-88.685179	393.58	16.00
OP 2	2	36.926739	-88.685943	399.10	16.00
OP 3	3	36.916435	-88.672578	394.75	16.00
OP 4	4	36.911131	-88.672884	404.90	16.00
OP 5	5	36.906413	-88.672293	417.38	16.00
OP 6	6	36.917118	-88.681845	415.91	16.00
OP 7	7	36.916006	-88.681375	418.10	16.00
OP 8	8	36.910968	-88.682050	421.12	16.00
OP 9	9	36.910084	-88.682087	418.95	16.00
OP 10	10	36.909556	-88.682109	423.43	16.00
OP 11	11	36.908161	-88.682334	418.67	16.00
OP 12	12	36.907013	-88.682396	422.39	16.00
OP 13	13	36.906376	-88.682371	417.63	16.00
OP 14	14	36.905790	-88.682312	421.61	16.00
OP 15	15	36.904240	-88.682287	416.20	16.00
OP 16	16	36.903369	-88.682343	423.91	16.00
OP 17	17	36.902382	-88.682429	422.70	16.00
OP 18	18	36.901979	-88.682456	422.61	16.00
OP 19	19	36.900484	-88.681782	434.72	16.00
OP 20	20	36.890374	-88.655233	402.86	16.00
OP 21	21	36.884949	-88.652131	400.33	16.00
OP 22	22	36.872991	-88.661660	430.21	16.00
OP 23	23	36.872249	-88.656924	417.27	16.00
OP 24	24	36.871695	-88.656002	416.64	16.00
OP 25	25	36.870717	-88.657611	421.90	16.00
OP 26	26	36.862104	-88.654141	437.44	16.00
OP 27	27	36.859076	-88.656834	443.80	16.00
OP 28	28	36.857582	-88.656731	440.57	16.00
OP 29	29	36.857064	-88.655706	436.77	16.00
OP 30	30	36.861385	-88.659467	436.00	16.00
OP 31	31	36.864490	-88.659475	435.41	16.00
OP 32	32	36.862520	-88.661016	436.47	16.00
OP 33	33	36.863970	-88.665393	444.32	16.00
OP 34	34	36.864429	-88.665501	437.27	16.00
OP 35	35	36.865028	-88.665396	437.50	16.00
OP 36	36	36.865599	-88.665495	438.32	16.00
OP 37	37	36.866878	-88.665707	441.59	16.00
OP 38	38	36.867386	-88.665520	441.91	16.00
OP 39	39	36.867788	-88.665493	445.00	16.00
OP 40	40	36.867715	-88.664665	438.57	16.00
OP 41	41	36.868215	-88.664649	438.57	16.00
OP 42	42	36.868938	-88.664807	435.02	16.00
OP 43	43	36.872302	-88.666698	412.57	16.00
OP 44	44	36.872300	-88.668807	412.09	16.00
OP 45	45	36.883204	-88.664386	415.27	16.00
OP 46	46	36.884998	-88.665080	428.07	16.00
OP 47	47	36.884598	-88.665144	429.78	16.00
OP 48	48	36.884099	-88.665068	427.73	16.00
OP 49	49	36.884029	-88.666151	426.47	16.00
OP 50	50	36.884110	-88.667648	435.11	16.00
OP 51	51	36.884179	-88.669668	429.66	16.00

Name	ID	Latitude (°)	Longitude (°)	Elevation (ft)	Height (ft)
OP 52	52	36.894716	-88.682896	445.86	16.00
OP 53	53	36.893716	-88.681062	446.50	16.00
OP 54	54	36.892513	-88.681936	448.78	16.00
OP 55	55	36.892071	-88.681641	447.47	16.00

Obstruction Components

Name: Obstruction 2
Top height: 32.8 ft



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)
1	36.884105	-88.661701	413.93
2	36.886482	-88.661674	414.76

Name: Treeline 1
Top height: 20.0 ft



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)
1	36.911826	-88.682558	408.69
2	36.913559	-88.682569	400.48
3	36.914605	-88.678277	394.82
4	36.914991	-88.676475	394.30
5	36.916338	-88.674769	390.97

Glare Analysis Results

Summary of Results No glare predicted

PV Array	Tilt	Orient	Annual Green Glare		Annual Yellow Glare		Energy
	°	°	min	hr	min	hr	kWh
PV array 1	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 10	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 11	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 12	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 13	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 14	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 15	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 2	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 3	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 4	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 5	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 6	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 7	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 8	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 9	SA tracking	SA tracking	0	0.0	0	0.0	-

Total glare received by each receptor; may include duplicate times of glare from multiple reflective surfaces.

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV: PV array 1 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 1 and Route: E Baldree Road

No glare found

PV array 1 and Route: E Pittman Road

No glare found

PV array 1 and Route: KY-1241-1

No glare found

PV array 1 and Route: KY-1241-2

No glare found

PV array 1 and Route: KY-849

No glare found

PV array 1 and Route: Olden Road

No glare found

PV array 1 and Route: Old Plant Road

No glare found

PV array 1 and Route: US-45

No glare found

PV array 1 and Route: Whittemore Road

No glare found

PV array 1 and OP 1

No glare found

PV array 1 and OP 2

No glare found

PV array 1 and OP 3

No glare found

PV array 1 and OP 4

No glare found

PV array 1 and OP 5

No glare found

PV array 1 and OP 6

No glare found

PV array 1 and OP 7

No glare found

PV array 1 and OP 8

No glare found

PV array 1 and OP 9

No glare found

PV array 1 and OP 10

No glare found

PV array 1 and OP 11

No glare found

PV array 1 and OP 12

No glare found

PV array 1 and OP 13

No glare found

PV array 1 and OP 14

No glare found

PV array 1 and OP 15

No glare found

PV array 1 and OP 16

No glare found

PV array 1 and OP 17

No glare found

PV array 1 and OP 18

No glare found

PV array 1 and OP 19

No glare found

PV array 1 and OP 20

No glare found

PV array 1 and OP 21

No glare found

PV array 1 and OP 22

No glare found

PV array 1 and OP 23

No glare found

PV array 1 and OP 24

No glare found

PV array 1 and OP 25

No glare found

PV array 1 and OP 26

No glare found

PV array 1 and OP 27

No glare found

PV array 1 and OP 28

No glare found

PV array 1 and OP 29

No glare found

PV array 1 and OP 30

No glare found

PV array 1 and OP 31

No glare found

PV array 1 and OP 32

No glare found

PV array 1 and OP 33

No glare found

PV array 1 and OP 34

No glare found

PV array 1 and OP 35

No glare found

PV array 1 and OP 36

No glare found

PV array 1 and OP 37

No glare found

PV array 1 and OP 38

No glare found

PV array 1 and OP 39

No glare found

PV array 1 and OP 40

No glare found

PV array 1 and OP 41

No glare found

PV array 1 and OP 42

No glare found

PV array 1 and OP 43

No glare found

PV array 1 and OP 44

No glare found

PV array 1 and OP 45

No glare found

PV array 1 and OP 46

No glare found

PV array 1 and OP 47

No glare found

PV array 1 and OP 48

No glare found

PV array 1 and OP 49

No glare found

PV array 1 and OP 50

No glare found

PV array 1 and OP 51

No glare found

PV array 1 and OP 52

No glare found

PV array 1 and OP 53

No glare found

PV array 1 and OP 54

No glare found

PV array 1 and OP 55

No glare found

PV: PV array 10 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 10 and Route: E Baldree Road

No glare found

PV array 10 and Route: E Pittman Road

No glare found

PV array 10 and Route: KY-1241-1

No glare found

PV array 10 and Route: KY-1241-2

No glare found

PV array 10 and Route: KY-849

No glare found

PV array 10 and Route: Olden Road

No glare found

PV array 10 and Route: Old Plant Road

No glare found

PV array 10 and Route: US-45

No glare found

PV array 10 and Route: Whittemore Road

No glare found

PV array 10 and OP 1

No glare found

PV array 10 and OP 2

No glare found

PV array 10 and OP 3

No glare found

PV array 10 and OP 4

No glare found

PV array 10 and OP 5

No glare found

PV array 10 and OP 6

No glare found

PV array 10 and OP 7

No glare found

PV array 10 and OP 8

No glare found

PV array 10 and OP 9

No glare found

PV array 10 and OP 10

No glare found

PV array 10 and OP 11

No glare found

PV array 10 and OP 12

No glare found

PV array 10 and OP 13

No glare found

PV array 10 and OP 14

No glare found

PV array 10 and OP 15

No glare found

PV array 10 and OP 16

No glare found

PV array 10 and OP 17

No glare found

PV array 10 and OP 18

No glare found

PV array 10 and OP 19

No glare found

PV array 10 and OP 20

No glare found

PV array 10 and OP 21

No glare found

PV array 10 and OP 22

No glare found

PV array 10 and OP 23

No glare found

PV array 10 and OP 24

No glare found

PV array 10 and OP 25

No glare found

PV array 10 and OP 26

No glare found

PV array 10 and OP 27

No glare found

PV array 10 and OP 28

No glare found

PV array 10 and OP 29

No glare found

PV array 10 and OP 30

No glare found

PV array 10 and OP 31

No glare found

PV array 10 and OP 32

No glare found

PV array 10 and OP 33

No glare found

PV array 10 and OP 34

No glare found

PV array 10 and OP 35

No glare found

PV array 10 and OP 36

No glare found

PV array 10 and OP 37

No glare found

PV array 10 and OP 38

No glare found

PV array 10 and OP 39

No glare found

PV array 10 and OP 40

No glare found

PV array 10 and OP 41

No glare found

PV array 10 and OP 42

No glare found

PV array 10 and OP 43

No glare found

PV array 10 and OP 44

No glare found

PV array 10 and OP 45

No glare found

PV array 10 and OP 46

No glare found

PV array 10 and OP 47

No glare found

PV array 10 and OP 48

No glare found

PV array 10 and OP 49

No glare found

PV array 10 and OP 50

No glare found

PV array 10 and OP 51

No glare found

PV array 10 and OP 52

No glare found

PV array 10 and OP 53

No glare found

PV array 10 and OP 54

No glare found

PV array 10 and OP 55

No glare found

PV: PV array 11 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 11 and Route: E Baldree Road

No glare found

PV array 11 and Route: E Pittman Road

No glare found

PV array 11 and Route: KY-1241-1

No glare found

PV array 11 and Route: KY-1241-2

No glare found

PV array 11 and Route: KY-849

No glare found

PV array 11 and Route: Olden Road

No glare found

PV array 11 and Route: Old Plant Road

No glare found

PV array 11 and Route: US-45

No glare found

PV array 11 and Route: Whittemore Road

No glare found

PV array 11 and OP 1

No glare found

PV array 11 and OP 2

No glare found

PV array 11 and OP 3

No glare found

PV array 11 and OP 4

No glare found

PV array 11 and OP 5

No glare found

PV array 11 and OP 6

No glare found

PV array 11 and OP 7

No glare found

PV array 11 and OP 8

No glare found

PV array 11 and OP 9

No glare found

PV array 11 and OP 10

No glare found

PV array 11 and OP 11

No glare found

PV array 11 and OP 12

No glare found

PV array 11 and OP 13

No glare found

PV array 11 and OP 14

No glare found

PV array 11 and OP 15

No glare found

PV array 11 and OP 16

No glare found

PV array 11 and OP 17

No glare found

PV array 11 and OP 18

No glare found

PV array 11 and OP 19

No glare found

PV array 11 and OP 20

No glare found

PV array 11 and OP 21

No glare found

PV array 11 and OP 22

No glare found

PV array 11 and OP 23

No glare found

PV array 11 and OP 24

No glare found

PV array 11 and OP 25

No glare found

PV array 11 and OP 26

No glare found

PV array 11 and OP 27

No glare found

PV array 11 and OP 28

No glare found

PV array 11 and OP 29

No glare found

PV array 11 and OP 30

No glare found

PV array 11 and OP 31

No glare found

PV array 11 and OP 32

No glare found

PV array 11 and OP 33

No glare found

PV array 11 and OP 34

No glare found

PV array 11 and OP 35

No glare found

PV array 11 and OP 36

No glare found

PV array 11 and OP 37

No glare found

PV array 11 and OP 38

No glare found

PV array 11 and OP 39

No glare found

PV array 11 and OP 40

No glare found

PV array 11 and OP 41

No glare found

PV array 11 and OP 42

No glare found

PV array 11 and OP 43

No glare found

PV array 11 and OP 44

No glare found

PV array 11 and OP 45

No glare found

PV array 11 and OP 46

No glare found

PV array 11 and OP 47

No glare found

PV array 11 and OP 48

No glare found

PV array 11 and OP 49

No glare found

PV array 11 and OP 50

No glare found

PV array 11 and OP 51

No glare found

PV array 11 and OP 52

No glare found

PV array 11 and OP 53

No glare found

PV array 11 and OP 54

No glare found

PV array 11 and OP 55

No glare found

PV: PV array 12 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 12 and Route: E Baldree Road

No glare found

PV array 12 and Route: E Pittman Road

No glare found

PV array 12 and Route: KY-1241-1

No glare found

PV array 12 and Route: KY-1241-2

No glare found

PV array 12 and Route: KY-849

No glare found

PV array 12 and Route: Olden Road

No glare found

PV array 12 and Route: Old Plant Road

No glare found

PV array 12 and Route: US-45

No glare found

PV array 12 and Route: Whittemore Road

No glare found

PV array 12 and OP 1

No glare found

PV array 12 and OP 2

No glare found

PV array 12 and OP 3

No glare found

PV array 12 and OP 4

No glare found

PV array 12 and OP 5

No glare found

PV array 12 and OP 6

No glare found

PV array 12 and OP 7

No glare found

PV array 12 and OP 8

No glare found

PV array 12 and OP 9

No glare found

PV array 12 and OP 10

No glare found

PV array 12 and OP 11

No glare found

PV array 12 and OP 12

No glare found

PV array 12 and OP 13

No glare found

PV array 12 and OP 14

No glare found

PV array 12 and OP 15

No glare found

PV array 12 and OP 16

No glare found

PV array 12 and OP 17

No glare found

PV array 12 and OP 18

No glare found

PV array 12 and OP 19

No glare found

PV array 12 and OP 20

No glare found

PV array 12 and OP 21

No glare found

PV array 12 and OP 22

No glare found

PV array 12 and OP 23

No glare found

PV array 12 and OP 24

No glare found

PV array 12 and OP 25

No glare found

PV array 12 and OP 26

No glare found

PV array 12 and OP 27

No glare found

PV array 12 and OP 28

No glare found

PV array 12 and OP 29

No glare found

PV array 12 and OP 30

No glare found

PV array 12 and OP 31

No glare found

PV array 12 and OP 32

No glare found

PV array 12 and OP 33

No glare found

PV array 12 and OP 34

No glare found

PV array 12 and OP 35

No glare found

PV array 12 and OP 36

No glare found

PV array 12 and OP 37

No glare found

PV array 12 and OP 38

No glare found

PV array 12 and OP 39

No glare found

PV array 12 and OP 40

No glare found

PV array 12 and OP 41

No glare found

PV array 12 and OP 42

No glare found

PV array 12 and OP 43

No glare found

PV array 12 and OP 44

No glare found

PV array 12 and OP 45

No glare found

PV array 12 and OP 46

No glare found

PV array 12 and OP 47

No glare found

PV array 12 and OP 48

No glare found

PV array 12 and OP 49

No glare found

PV array 12 and OP 50

No glare found

PV array 12 and OP 51

No glare found

PV array 12 and OP 52

No glare found

PV array 12 and OP 53

No glare found

PV array 12 and OP 54

No glare found

PV array 12 and OP 55

No glare found

PV: PV array 13 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 13 and Route: E Baldree Road

No glare found

PV array 13 and Route: E Pittman Road

No glare found

PV array 13 and Route: KY-1241-1

No glare found

PV array 13 and Route: KY-1241-2

No glare found

PV array 13 and Route: KY-849

No glare found

PV array 13 and Route: Olden Road

No glare found

PV array 13 and Route: Old Plant Road

No glare found

PV array 13 and Route: US-45

No glare found

PV array 13 and Route: Whittemore Road

No glare found

PV array 13 and OP 1

No glare found

PV array 13 and OP 2

No glare found

PV array 13 and OP 3

No glare found

PV array 13 and OP 4

No glare found

PV array 13 and OP 5

No glare found

PV array 13 and OP 6

No glare found

PV array 13 and OP 7

No glare found

PV array 13 and OP 8

No glare found

PV array 13 and OP 9

No glare found

PV array 13 and OP 10

No glare found

PV array 13 and OP 11

No glare found

PV array 13 and OP 12

No glare found

PV array 13 and OP 13

No glare found

PV array 13 and OP 14

No glare found

PV array 13 and OP 15

No glare found

PV array 13 and OP 16

No glare found

PV array 13 and OP 17

No glare found

PV array 13 and OP 18

No glare found

PV array 13 and OP 19

No glare found

PV array 13 and OP 20

No glare found

PV array 13 and OP 21

No glare found

PV array 13 and OP 22

No glare found

PV array 13 and OP 23

No glare found

PV array 13 and OP 24

No glare found

PV array 13 and OP 25

No glare found

PV array 13 and OP 26

No glare found

PV array 13 and OP 27

No glare found

PV array 13 and OP 28

No glare found

PV array 13 and OP 29

No glare found

PV array 13 and OP 30

No glare found

PV array 13 and OP 31

No glare found

PV array 13 and OP 32

No glare found

PV array 13 and OP 33

No glare found

PV array 13 and OP 34

No glare found

PV array 13 and OP 35

No glare found

PV array 13 and OP 36

No glare found

PV array 13 and OP 37

No glare found

PV array 13 and OP 38

No glare found

PV array 13 and OP 39

No glare found

PV array 13 and OP 40

No glare found

PV array 13 and OP 41

No glare found

PV array 13 and OP 42

No glare found

PV array 13 and OP 43

No glare found

PV array 13 and OP 44

No glare found

PV array 13 and OP 45

No glare found

PV array 13 and OP 46

No glare found

PV array 13 and OP 47

No glare found

PV array 13 and OP 48

No glare found

PV array 13 and OP 49

No glare found

PV array 13 and OP 50

No glare found

PV array 13 and OP 51

No glare found

PV array 13 and OP 52

No glare found

PV array 13 and OP 53

No glare found

PV array 13 and OP 54

No glare found

PV array 13 and OP 55

No glare found

PV: PV array 14 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 14 and Route: E Baldree Road

No glare found

PV array 14 and Route: E Pittman Road

No glare found

PV array 14 and Route: KY-1241-1

No glare found

PV array 14 and Route: KY-1241-2

No glare found

PV array 14 and Route: KY-849

No glare found

PV array 14 and Route: Olden Road

No glare found

PV array 14 and Route: Old Plant Road

No glare found

PV array 14 and Route: US-45

No glare found

PV array 14 and Route: Whittemore Road

No glare found

PV array 14 and OP 1

No glare found

PV array 14 and OP 2

No glare found

PV array 14 and OP 3

No glare found

PV array 14 and OP 4

No glare found

PV array 14 and OP 5

No glare found

PV array 14 and OP 6

No glare found

PV array 14 and OP 7

No glare found

PV array 14 and OP 8

No glare found

PV array 14 and OP 9

No glare found

PV array 14 and OP 10

No glare found

PV array 14 and OP 11

No glare found

PV array 14 and OP 12

No glare found

PV array 14 and OP 13

No glare found

PV array 14 and OP 14

No glare found

PV array 14 and OP 15

No glare found

PV array 14 and OP 16

No glare found

PV array 14 and OP 17

No glare found

PV array 14 and OP 18

No glare found

PV array 14 and OP 19

No glare found

PV array 14 and OP 20

No glare found

PV array 14 and OP 21

No glare found

PV array 14 and OP 22

No glare found

PV array 14 and OP 23

No glare found

PV array 14 and OP 24

No glare found

PV array 14 and OP 25

No glare found

PV array 14 and OP 26

No glare found

PV array 14 and OP 27

No glare found

PV array 14 and OP 28

No glare found

PV array 14 and OP 29

No glare found

PV array 14 and OP 30

No glare found

PV array 14 and OP 31

No glare found

PV array 14 and OP 32

No glare found

PV array 14 and OP 33

No glare found

PV array 14 and OP 34

No glare found

PV array 14 and OP 35

No glare found

PV array 14 and OP 36

No glare found

PV array 14 and OP 37

No glare found

PV array 14 and OP 38

No glare found

PV array 14 and OP 39

No glare found

PV array 14 and OP 40

No glare found

PV array 14 and OP 41

No glare found

PV array 14 and OP 42

No glare found

PV array 14 and OP 43

No glare found

PV array 14 and OP 44

No glare found

PV array 14 and OP 45

No glare found

PV array 14 and OP 46

No glare found

PV array 14 and OP 47

No glare found

PV array 14 and OP 48

No glare found

PV array 14 and OP 49

No glare found

PV array 14 and OP 50

No glare found

PV array 14 and OP 51

No glare found

PV array 14 and OP 52

No glare found

PV array 14 and OP 53

No glare found

PV array 14 and OP 54

No glare found

PV array 14 and OP 55

No glare found

PV: PV array 15 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 15 and Route: E Baldree Road

No glare found

PV array 15 and Route: E Pittman Road

No glare found

PV array 15 and Route: KY-1241-1

No glare found

PV array 15 and Route: KY-1241-2

No glare found

PV array 15 and Route: KY-849

No glare found

PV array 15 and Route: Olden Road

No glare found

PV array 15 and Route: Old Plant Road

No glare found

PV array 15 and Route: US-45

No glare found

PV array 15 and Route: Whittemore Road

No glare found

PV array 15 and OP 1

No glare found

PV array 15 and OP 2

No glare found

PV array 15 and OP 3

No glare found

PV array 15 and OP 4

No glare found

PV array 15 and OP 5

No glare found

PV array 15 and OP 6

No glare found

PV array 15 and OP 7

No glare found

PV array 15 and OP 8

No glare found

PV array 15 and OP 9

No glare found

PV array 15 and OP 10

No glare found

PV array 15 and OP 11

No glare found

PV array 15 and OP 12

No glare found

PV array 15 and OP 13

No glare found

PV array 15 and OP 14

No glare found

PV array 15 and OP 15

No glare found

PV array 15 and OP 16

No glare found

PV array 15 and OP 17

No glare found

PV array 15 and OP 18

No glare found

PV array 15 and OP 19

No glare found

PV array 15 and OP 20

No glare found

PV array 15 and OP 21

No glare found

PV array 15 and OP 22

No glare found

PV array 15 and OP 23

No glare found

PV array 15 and OP 24

No glare found

PV array 15 and OP 25

No glare found

PV array 15 and OP 26

No glare found

PV array 15 and OP 27

No glare found

PV array 15 and OP 28

No glare found

PV array 15 and OP 29

No glare found

PV array 15 and OP 30

No glare found

PV array 15 and OP 31

No glare found

PV array 15 and OP 32

No glare found

PV array 15 and OP 33

No glare found

PV array 15 and OP 34

No glare found

PV array 15 and OP 35

No glare found

PV array 15 and OP 36

No glare found

PV array 15 and OP 37

No glare found

PV array 15 and OP 38

No glare found

PV array 15 and OP 39

No glare found

PV array 15 and OP 40

No glare found

PV array 15 and OP 41

No glare found

PV array 15 and OP 42

No glare found

PV array 15 and OP 43

No glare found

PV array 15 and OP 44

No glare found

PV array 15 and OP 45

No glare found

PV array 15 and OP 46

No glare found

PV array 15 and OP 47

No glare found

PV array 15 and OP 48

No glare found

PV array 15 and OP 49

No glare found

PV array 15 and OP 50

No glare found

PV array 15 and OP 51

No glare found

PV array 15 and OP 52

No glare found

PV array 15 and OP 53

No glare found

PV array 15 and OP 54

No glare found

PV array 15 and OP 55

No glare found

PV: PV array 2 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 2 and Route: E Baldree Road

No glare found

PV array 2 and Route: E Pittman Road

No glare found

PV array 2 and Route: KY-1241-1

No glare found

PV array 2 and Route: KY-1241-2

No glare found

PV array 2 and Route: KY-849

No glare found

PV array 2 and Route: Olden Road

No glare found

PV array 2 and Route: Old Plant Road

No glare found

PV array 2 and Route: US-45

No glare found

PV array 2 and Route: Whittemore Road

No glare found

PV array 2 and OP 1

No glare found

PV array 2 and OP 2

No glare found

PV array 2 and OP 3

No glare found

PV array 2 and OP 4

No glare found

PV array 2 and OP 5

No glare found

PV array 2 and OP 6

No glare found

PV array 2 and OP 7

No glare found

PV array 2 and OP 8

No glare found

PV array 2 and OP 9

No glare found

PV array 2 and OP 10

No glare found

PV array 2 and OP 11

No glare found

PV array 2 and OP 12

No glare found

PV array 2 and OP 13

No glare found

PV array 2 and OP 14

No glare found

PV array 2 and OP 15

No glare found

PV array 2 and OP 16

No glare found

PV array 2 and OP 17

No glare found

PV array 2 and OP 18

No glare found

PV array 2 and OP 19

No glare found

PV array 2 and OP 20

No glare found

PV array 2 and OP 21

No glare found

PV array 2 and OP 22

No glare found

PV array 2 and OP 23

No glare found

PV array 2 and OP 24

No glare found

PV array 2 and OP 25

No glare found

PV array 2 and OP 26

No glare found

PV array 2 and OP 27

No glare found

PV array 2 and OP 28

No glare found

PV array 2 and OP 29

No glare found

PV array 2 and OP 30

No glare found

PV array 2 and OP 31

No glare found

PV array 2 and OP 32

No glare found

PV array 2 and OP 33

No glare found

PV array 2 and OP 34

No glare found

PV array 2 and OP 35

No glare found

PV array 2 and OP 36

No glare found

PV array 2 and OP 37

No glare found

PV array 2 and OP 38

No glare found

PV array 2 and OP 39

No glare found

PV array 2 and OP 40

No glare found

PV array 2 and OP 41

No glare found

PV array 2 and OP 42

No glare found

PV array 2 and OP 43

No glare found

PV array 2 and OP 44

No glare found

PV array 2 and OP 45

No glare found

PV array 2 and OP 46

No glare found

PV array 2 and OP 47

No glare found

PV array 2 and OP 48

No glare found

PV array 2 and OP 49

No glare found

PV array 2 and OP 50

No glare found

PV array 2 and OP 51

No glare found

PV array 2 and OP 52

No glare found

PV array 2 and OP 53

No glare found

PV array 2 and OP 54

No glare found

PV array 2 and OP 55

No glare found

PV: PV array 3 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 3 and Route: E Baldree Road

No glare found

PV array 3 and Route: E Pittman Road

No glare found

PV array 3 and Route: KY-1241-1

No glare found

PV array 3 and Route: KY-1241-2

No glare found

PV array 3 and Route: KY-849

No glare found

PV array 3 and Route: Olden Road

No glare found

PV array 3 and Route: Old Plant Road

No glare found

PV array 3 and Route: US-45

No glare found

PV array 3 and Route: Whittemore Road

No glare found

PV array 3 and OP 1

No glare found

PV array 3 and OP 2

No glare found

PV array 3 and OP 3

No glare found

PV array 3 and OP 4

No glare found

PV array 3 and OP 5

No glare found

PV array 3 and OP 6

No glare found

PV array 3 and OP 7

No glare found

PV array 3 and OP 8

No glare found

PV array 3 and OP 9

No glare found

PV array 3 and OP 10

No glare found

PV array 3 and OP 11

No glare found

PV array 3 and OP 12

No glare found

PV array 3 and OP 13

No glare found

PV array 3 and OP 14

No glare found

PV array 3 and OP 15

No glare found

PV array 3 and OP 16

No glare found

PV array 3 and OP 17

No glare found

PV array 3 and OP 18

No glare found

PV array 3 and OP 19

No glare found

PV array 3 and OP 20

No glare found

PV array 3 and OP 21

No glare found

PV array 3 and OP 22

No glare found

PV array 3 and OP 23

No glare found

PV array 3 and OP 24

No glare found

PV array 3 and OP 25

No glare found

PV array 3 and OP 26

No glare found

PV array 3 and OP 27

No glare found

PV array 3 and OP 28

No glare found

PV array 3 and OP 29

No glare found

PV array 3 and OP 30

No glare found

PV array 3 and OP 31

No glare found

PV array 3 and OP 32

No glare found

PV array 3 and OP 33

No glare found

PV array 3 and OP 34

No glare found

PV array 3 and OP 35

No glare found

PV array 3 and OP 36

No glare found

PV array 3 and OP 37

No glare found

PV array 3 and OP 38

No glare found

PV array 3 and OP 39

No glare found

PV array 3 and OP 40

No glare found

PV array 3 and OP 41

No glare found

PV array 3 and OP 42

No glare found

PV array 3 and OP 43

No glare found

PV array 3 and OP 44

No glare found

PV array 3 and OP 45

No glare found

PV array 3 and OP 46

No glare found

PV array 3 and OP 47

No glare found

PV array 3 and OP 48

No glare found

PV array 3 and OP 49

No glare found

PV array 3 and OP 50

No glare found

PV array 3 and OP 51

No glare found

PV array 3 and OP 52

No glare found

PV array 3 and OP 53

No glare found

PV array 3 and OP 54

No glare found

PV array 3 and OP 55

No glare found

PV: PV array 4 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 4 and Route: E Baldree Road

No glare found

PV array 4 and Route: E Pittman Road

No glare found

PV array 4 and Route: KY-1241-1

No glare found

PV array 4 and Route: KY-1241-2

No glare found

PV array 4 and Route: KY-849

No glare found

PV array 4 and Route: Olden Road

No glare found

PV array 4 and Route: Old Plant Road

No glare found

PV array 4 and Route: US-45

No glare found

PV array 4 and Route: Whittemore Road

No glare found

PV array 4 and OP 1

No glare found

PV array 4 and OP 2

No glare found

PV array 4 and OP 3

No glare found

PV array 4 and OP 4

No glare found

PV array 4 and OP 5

No glare found

PV array 4 and OP 6

No glare found

PV array 4 and OP 7

No glare found

PV array 4 and OP 8

No glare found

PV array 4 and OP 9

No glare found

PV array 4 and OP 10

No glare found

PV array 4 and OP 11

No glare found

PV array 4 and OP 12

No glare found

PV array 4 and OP 13

No glare found

PV array 4 and OP 14

No glare found

PV array 4 and OP 15

No glare found

PV array 4 and OP 16

No glare found

PV array 4 and OP 17

No glare found

PV array 4 and OP 18

No glare found

PV array 4 and OP 19

No glare found

PV array 4 and OP 20

No glare found

PV array 4 and OP 21

No glare found

PV array 4 and OP 22

No glare found

PV array 4 and OP 23

No glare found

PV array 4 and OP 24

No glare found

PV array 4 and OP 25

No glare found

PV array 4 and OP 26

No glare found

PV array 4 and OP 27

No glare found

PV array 4 and OP 28

No glare found

PV array 4 and OP 29

No glare found

PV array 4 and OP 30

No glare found

PV array 4 and OP 31

No glare found

PV array 4 and OP 32

No glare found

PV array 4 and OP 33

No glare found

PV array 4 and OP 34

No glare found

PV array 4 and OP 35

No glare found

PV array 4 and OP 36

No glare found

PV array 4 and OP 37

No glare found

PV array 4 and OP 38

No glare found

PV array 4 and OP 39

No glare found

PV array 4 and OP 40

No glare found

PV array 4 and OP 41

No glare found

PV array 4 and OP 42

No glare found

PV array 4 and OP 43

No glare found

PV array 4 and OP 44

No glare found

PV array 4 and OP 45

No glare found

PV array 4 and OP 46

No glare found

PV array 4 and OP 47

No glare found

PV array 4 and OP 48

No glare found

PV array 4 and OP 49

No glare found

PV array 4 and OP 50

No glare found

PV array 4 and OP 51

No glare found

PV array 4 and OP 52

No glare found

PV array 4 and OP 53

No glare found

PV array 4 and OP 54

No glare found

PV array 4 and OP 55

No glare found

PV: PV array 5 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 5 and Route: E Baldree Road

No glare found

PV array 5 and Route: E Pittman Road

No glare found

PV array 5 and Route: KY-1241-1

No glare found

PV array 5 and Route: KY-1241-2

No glare found

PV array 5 and Route: KY-849

No glare found

PV array 5 and Route: Olden Road

No glare found

PV array 5 and Route: Old Plant Road

No glare found

PV array 5 and Route: US-45

No glare found

PV array 5 and Route: Whittemore Road

No glare found

PV array 5 and OP 1

No glare found

PV array 5 and OP 2

No glare found

PV array 5 and OP 3

No glare found

PV array 5 and OP 4

No glare found

PV array 5 and OP 5

No glare found

PV array 5 and OP 6

No glare found

PV array 5 and OP 7

No glare found

PV array 5 and OP 8

No glare found

PV array 5 and OP 9

No glare found

PV array 5 and OP 10

No glare found

PV array 5 and OP 11

No glare found

PV array 5 and OP 12

No glare found

PV array 5 and OP 13

No glare found

PV array 5 and OP 14

No glare found

PV array 5 and OP 15

No glare found

PV array 5 and OP 16

No glare found

PV array 5 and OP 17

No glare found

PV array 5 and OP 18

No glare found

PV array 5 and OP 19

No glare found

PV array 5 and OP 20

No glare found

PV array 5 and OP 21

No glare found

PV array 5 and OP 22

No glare found

PV array 5 and OP 23

No glare found

PV array 5 and OP 24

No glare found

PV array 5 and OP 25

No glare found

PV array 5 and OP 26

No glare found

PV array 5 and OP 27

No glare found

PV array 5 and OP 28

No glare found

PV array 5 and OP 29

No glare found

PV array 5 and OP 30

No glare found

PV array 5 and OP 31

No glare found

PV array 5 and OP 32

No glare found

PV array 5 and OP 33

No glare found

PV array 5 and OP 34

No glare found

PV array 5 and OP 35

No glare found

PV array 5 and OP 36

No glare found

PV array 5 and OP 37

No glare found

PV array 5 and OP 38

No glare found

PV array 5 and OP 39

No glare found

PV array 5 and OP 40

No glare found

PV array 5 and OP 41

No glare found

PV array 5 and OP 42

No glare found

PV array 5 and OP 43

No glare found

PV array 5 and OP 44

No glare found

PV array 5 and OP 45

No glare found

PV array 5 and OP 46

No glare found

PV array 5 and OP 47

No glare found

PV array 5 and OP 48

No glare found

PV array 5 and OP 49

No glare found

PV array 5 and OP 50

No glare found

PV array 5 and OP 51

No glare found

PV array 5 and OP 52

No glare found

PV array 5 and OP 53

No glare found

PV array 5 and OP 54

No glare found

PV array 5 and OP 55

No glare found

PV: PV array 6 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 6 and Route: E Baldree Road

No glare found

PV array 6 and Route: E Pittman Road

No glare found

PV array 6 and Route: KY-1241-1

No glare found

PV array 6 and Route: KY-1241-2

No glare found

PV array 6 and Route: KY-849

No glare found

PV array 6 and Route: Olden Road

No glare found

PV array 6 and Route: Old Plant Road

No glare found

PV array 6 and Route: US-45

No glare found

PV array 6 and Route: Whittemore Road

No glare found

PV array 6 and OP 1

No glare found

PV array 6 and OP 2

No glare found

PV array 6 and OP 3

No glare found

PV array 6 and OP 4

No glare found

PV array 6 and OP 5

No glare found

PV array 6 and OP 6

No glare found

PV array 6 and OP 7

No glare found

PV array 6 and OP 8

No glare found

PV array 6 and OP 9

No glare found

PV array 6 and OP 10

No glare found

PV array 6 and OP 11

No glare found

PV array 6 and OP 12

No glare found

PV array 6 and OP 13

No glare found

PV array 6 and OP 14

No glare found

PV array 6 and OP 15

No glare found

PV array 6 and OP 16

No glare found

PV array 6 and OP 17

No glare found

PV array 6 and OP 18

No glare found

PV array 6 and OP 19

No glare found

PV array 6 and OP 20

No glare found

PV array 6 and OP 21

No glare found

PV array 6 and OP 22

No glare found

PV array 6 and OP 23

No glare found

PV array 6 and OP 24

No glare found

PV array 6 and OP 25

No glare found

PV array 6 and OP 26

No glare found

PV array 6 and OP 27

No glare found

PV array 6 and OP 28

No glare found

PV array 6 and OP 29

No glare found

PV array 6 and OP 30

No glare found

PV array 6 and OP 31

No glare found

PV array 6 and OP 32

No glare found

PV array 6 and OP 33

No glare found

PV array 6 and OP 34

No glare found

PV array 6 and OP 35

No glare found

PV array 6 and OP 36

No glare found

PV array 6 and OP 37

No glare found

PV array 6 and OP 38

No glare found

PV array 6 and OP 39

No glare found

PV array 6 and OP 40

No glare found

PV array 6 and OP 41

No glare found

PV array 6 and OP 42

No glare found

PV array 6 and OP 43

No glare found

PV array 6 and OP 44

No glare found

PV array 6 and OP 45

No glare found

PV array 6 and OP 46

No glare found

PV array 6 and OP 47

No glare found

PV array 6 and OP 48

No glare found

PV array 6 and OP 49

No glare found

PV array 6 and OP 50

No glare found

PV array 6 and OP 51

No glare found

PV array 6 and OP 52

No glare found

PV array 6 and OP 53

No glare found

PV array 6 and OP 54

No glare found

PV array 6 and OP 55

No glare found

PV: PV array 7 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 7 and Route: E Baldree Road

No glare found

PV array 7 and Route: E Pittman Road

No glare found

PV array 7 and Route: KY-1241-1

No glare found

PV array 7 and Route: KY-1241-2

No glare found

PV array 7 and Route: KY-849

No glare found

PV array 7 and Route: Olden Road

No glare found

PV array 7 and Route: Old Plant Road

No glare found

PV array 7 and Route: US-45

No glare found

PV array 7 and Route: Whittemore Road

No glare found

PV array 7 and OP 1

No glare found

PV array 7 and OP 2

No glare found

PV array 7 and OP 3

No glare found

PV array 7 and OP 4

No glare found

PV array 7 and OP 5

No glare found

PV array 7 and OP 6

No glare found

PV array 7 and OP 7

No glare found

PV array 7 and OP 8

No glare found

PV array 7 and OP 9

No glare found

PV array 7 and OP 10

No glare found

PV array 7 and OP 11

No glare found

PV array 7 and OP 12

No glare found

PV array 7 and OP 13

No glare found

PV array 7 and OP 14

No glare found

PV array 7 and OP 15

No glare found

PV array 7 and OP 16

No glare found

PV array 7 and OP 17

No glare found

PV array 7 and OP 18

No glare found

PV array 7 and OP 19

No glare found

PV array 7 and OP 20

No glare found

PV array 7 and OP 21

No glare found

PV array 7 and OP 22

No glare found

PV array 7 and OP 23

No glare found

PV array 7 and OP 24

No glare found

PV array 7 and OP 25

No glare found

PV array 7 and OP 26

No glare found

PV array 7 and OP 27

No glare found

PV array 7 and OP 28

No glare found

PV array 7 and OP 29

No glare found

PV array 7 and OP 30

No glare found

PV array 7 and OP 31

No glare found

PV array 7 and OP 32

No glare found

PV array 7 and OP 33

No glare found

PV array 7 and OP 34

No glare found

PV array 7 and OP 35

No glare found

PV array 7 and OP 36

No glare found

PV array 7 and OP 37

No glare found

PV array 7 and OP 38

No glare found

PV array 7 and OP 39

No glare found

PV array 7 and OP 40

No glare found

PV array 7 and OP 41

No glare found

PV array 7 and OP 42

No glare found

PV array 7 and OP 43

No glare found

PV array 7 and OP 44

No glare found

PV array 7 and OP 45

No glare found

PV array 7 and OP 46

No glare found

PV array 7 and OP 47

No glare found

PV array 7 and OP 48

No glare found

PV array 7 and OP 49

No glare found

PV array 7 and OP 50

No glare found

PV array 7 and OP 51

No glare found

PV array 7 and OP 52

No glare found

PV array 7 and OP 53

No glare found

PV array 7 and OP 54

No glare found

PV array 7 and OP 55

No glare found

PV: PV array 8 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 8 and Route: E Baldree Road

No glare found

PV array 8 and Route: E Pittman Road

No glare found

PV array 8 and Route: KY-1241-1

No glare found

PV array 8 and Route: KY-1241-2

No glare found

PV array 8 and Route: KY-849

No glare found

PV array 8 and Route: Olden Road

No glare found

PV array 8 and Route: Old Plant Road

No glare found

PV array 8 and Route: US-45

No glare found

PV array 8 and Route: Whittemore Road

No glare found

PV array 8 and OP 1

No glare found

PV array 8 and OP 2

No glare found

PV array 8 and OP 3

No glare found

PV array 8 and OP 4

No glare found

PV array 8 and OP 5

No glare found

PV array 8 and OP 6

No glare found

PV array 8 and OP 7

No glare found

PV array 8 and OP 8

No glare found

PV array 8 and OP 9

No glare found

PV array 8 and OP 10

No glare found

PV array 8 and OP 11

No glare found

PV array 8 and OP 12

No glare found

PV array 8 and OP 13

No glare found

PV array 8 and OP 14

No glare found

PV array 8 and OP 15

No glare found

PV array 8 and OP 16

No glare found

PV array 8 and OP 17

No glare found

PV array 8 and OP 18

No glare found

PV array 8 and OP 19

No glare found

PV array 8 and OP 20

No glare found

PV array 8 and OP 21

No glare found

PV array 8 and OP 22

No glare found

PV array 8 and OP 23

No glare found

PV array 8 and OP 24

No glare found

PV array 8 and OP 25

No glare found

PV array 8 and OP 26

No glare found

PV array 8 and OP 27

No glare found

PV array 8 and OP 28

No glare found

PV array 8 and OP 29

No glare found

PV array 8 and OP 30

No glare found

PV array 8 and OP 31

No glare found

PV array 8 and OP 32

No glare found

PV array 8 and OP 33

No glare found

PV array 8 and OP 34

No glare found

PV array 8 and OP 35

No glare found

PV array 8 and OP 36

No glare found

PV array 8 and OP 37

No glare found

PV array 8 and OP 38

No glare found

PV array 8 and OP 39

No glare found

PV array 8 and OP 40

No glare found

PV array 8 and OP 41

No glare found

PV array 8 and OP 42

No glare found

PV array 8 and OP 43

No glare found

PV array 8 and OP 44

No glare found

PV array 8 and OP 45

No glare found

PV array 8 and OP 46

No glare found

PV array 8 and OP 47

No glare found

PV array 8 and OP 48

No glare found

PV array 8 and OP 49

No glare found

PV array 8 and OP 50

No glare found

PV array 8 and OP 51

No glare found

PV array 8 and OP 52

No glare found

PV array 8 and OP 53

No glare found

PV array 8 and OP 54

No glare found

PV array 8 and OP 55

No glare found

PV: PV array 9 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 9 and Route: E Baldree Road

No glare found

PV array 9 and Route: E Pittman Road

No glare found

PV array 9 and Route: KY-1241-1

No glare found

PV array 9 and Route: KY-1241-2

No glare found

PV array 9 and Route: KY-849

No glare found

PV array 9 and Route: Olden Road

No glare found

PV array 9 and Route: Old Plant Road

No glare found

PV array 9 and Route: US-45

No glare found

PV array 9 and Route: Whittemore Road

No glare found

PV array 9 and OP 1

No glare found

PV array 9 and OP 2

No glare found

PV array 9 and OP 3

No glare found

PV array 9 and OP 4

No glare found

PV array 9 and OP 5

No glare found

PV array 9 and OP 6

No glare found

PV array 9 and OP 7

No glare found

PV array 9 and OP 8

No glare found

PV array 9 and OP 9

No glare found

PV array 9 and OP 10

No glare found

PV array 9 and OP 11

No glare found

PV array 9 and OP 12

No glare found

PV array 9 and OP 13

No glare found

PV array 9 and OP 14

No glare found

PV array 9 and OP 15

No glare found

PV array 9 and OP 16

No glare found

PV array 9 and OP 17

No glare found

PV array 9 and OP 18

No glare found

PV array 9 and OP 19

No glare found

PV array 9 and OP 20

No glare found

PV array 9 and OP 21

No glare found

PV array 9 and OP 22

No glare found

PV array 9 and OP 23

No glare found

PV array 9 and OP 24

No glare found

PV array 9 and OP 25

No glare found

PV array 9 and OP 26

No glare found

PV array 9 and OP 27

No glare found

PV array 9 and OP 28

No glare found

PV array 9 and OP 29

No glare found

PV array 9 and OP 30

No glare found

PV array 9 and OP 31

No glare found

PV array 9 and OP 32

No glare found

PV array 9 and OP 33

No glare found

PV array 9 and OP 34

No glare found

PV array 9 and OP 35

No glare found

PV array 9 and OP 36

No glare found

PV array 9 and OP 37

No glare found

PV array 9 and OP 38

No glare found

PV array 9 and OP 39

No glare found

PV array 9 and OP 40

No glare found

PV array 9 and OP 41

No glare found

PV array 9 and OP 42

No glare found

PV array 9 and OP 43

No glare found

PV array 9 and OP 44

No glare found

PV array 9 and OP 45

No glare found

PV array 9 and OP 46

No glare found

PV array 9 and OP 47

No glare found

PV array 9 and OP 48

No glare found

PV array 9 and OP 49

No glare found

PV array 9 and OP 50

No glare found

PV array 9 and OP 51

No glare found

PV array 9 and OP 52

No glare found

PV array 9 and OP 53

No glare found

PV array 9 and OP 54

No glare found

PV array 9 and OP 55

No glare found

Assumptions

"Green" glare is glare with low potential to cause an after-image (flash blindness) when observed prior to a typical blink response time.
"Yellow" glare is glare with potential to cause an after-image (flash blindness) when observed prior to a typical blink response time.
Times associated with glare are denoted in Standard time. For Daylight Savings, add one hour.
The algorithm does not rigorously represent the detailed geometry of a system; detailed features such as gaps between modules, variable height of the PV array, and support structures may impact actual glare results. However, we have validated our models against several systems, including a PV array causing glare to the air-traffic control tower at Manchester-Boston Regional Airport and several sites in Albuquerque, and the tool accurately predicted the occurrence and intensity of glare at different times and days of the year.
Several V1 calculations utilize the PV array centroid, rather than the actual glare spot location, due to algorithm limitations. This may affect results for large PV footprints. Additional analyses of array sub-sections can provide additional information on expected glare. This primarily affects V1 analyses of path receptors.
Random number computations are utilized by various steps of the annual hazard analysis algorithm. Predicted minutes of glare can vary between runs as a result. This limitation primarily affects analyses of Observation Point receptors, including ATCTs. Note that the SGHAT/ ForgeSolar methodology has always relied on an analytical, qualitative approach to accurately determine the overall hazard (i.e. green vs. yellow) of expected glare on an annual basis.
The analysis does not automatically consider obstacles (either man-made or natural) between the observation points and the prescribed solar installation that may obstruct observed glare, such as trees, hills, buildings, etc.
The subtended source angle (glare spot size) is constrained by the PV array footprint size. Partitioning large arrays into smaller sections will reduce the maximum potential subtended angle, potentially impacting results if actual glare spots are larger than the sub-array size. Additional analyses of the combined area of adjacent sub-arrays can provide more information on potential glare hazards. (See previous point on related limitations.)
The variable direct normal irradiance (DNI) feature (if selected) scales the user-prescribed peak DNI using a typical clear-day irradiance profile. This profile has a lower DNI in the mornings and evenings and a maximum at solar noon. The scaling uses a clear-day irradiance profile based on a normalized time relative to sunrise, solar noon, and sunset, which are prescribed by a sun-position algorithm and the latitude and longitude obtained from Google maps. The actual DNI on any given day can be affected by cloud cover, atmospheric attenuation, and other environmental factors.
The ocular hazard predicted by the tool depends on a number of environmental, optical, and human factors, which can be uncertain. We provide input fields and typical ranges of values for these factors so that the user can vary these parameters to see if they have an impact on the results. The speed of SGHAT allows expedited sensitivity and parametric analyses.
The system output calculation is a DNI-based approximation that assumes clear, sunny skies year-round. It should not be used in place of more rigorous modeling methods.
Hazard zone boundaries shown in the Glare Hazard plot are an approximation and visual aid based on aggregated research data. Actual ocular impact outcomes encompass a continuous, not discrete, spectrum.
Glare locations displayed on receptor plots are approximate. Actual glare-spot locations may differ.
Refer to the Help page at **www.forgesolar.com/help/** for assumptions and limitations not listed here.

Default glare analysis parameters and observer eye characteristics (for reference only):

- Analysis time interval: 1 minute
- Ocular transmission coefficient: 0.5
- Pupil diameter: 0.002 meters
- Eye focal length: 0.017 meters
- Sun subtended angle: 9.3 milliradians

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FORGESOLAR GLARE ANALYSIS

Project: **Mayfield Solar**
Site configuration: **North Arrays Analysis 3- 1st Story**

Created 08 Dec, 2025
Updated 08 Dec, 2025
Time-step 1 minute
Timezone offset UTC-6
Minimum sun altitude 0.0 deg
DNI peaks at 1,000.0 W/m^2
Category 100 MW to 1 GW
Site ID 166596.27781

Ocular transmission coefficient 0.5
Pupil diameter 0.002 m
Eye focal length 0.017 m
Sun subtended angle 9.3 mrad
PV analysis methodology V2

Summary of Results No glare predicted

PV Array	Tilt	Orient	Annual Green Glare		Annual Yellow Glare		Energy
	°	°	min	hr	min	hr	kWh
PV array 16	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 17	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 18	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 19	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 20	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 21	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 22	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 23	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 24	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 25	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 26	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 27	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 28	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 29	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 30	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 31	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 32	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 33	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 34	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 35	SA tracking	SA tracking	0	0.0	0	0.0	-

Total glare received by each receptor; may include duplicate times of glare from multiple reflective surfaces.

E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

Component Data

PV Arrays

Name: PV array 16
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.916615	-88.663707	385.21	5.00	390.21
2	36.916645	-88.663389	385.44	5.00	390.44
3	36.916822	-88.662935	385.65	5.00	390.65
4	36.916860	-88.661338	385.58	5.00	390.58
5	36.912896	-88.661189	386.74	5.00	391.74
6	36.912910	-88.660084	387.60	5.00	392.60
7	36.912003	-88.660036	387.82	5.00	392.82
8	36.911908	-88.662767	387.72	5.00	392.72
9	36.913091	-88.662831	388.09	5.00	393.09
10	36.913032	-88.663684	385.43	5.00	390.43
11	36.913655	-88.663735	387.76	5.00	392.76
12	36.914873	-88.663738	385.96	5.00	390.96

Name: PV array 17
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.912497	-88.671565	395.32	5.00	400.32
2	36.912578	-88.669151	391.43	5.00	396.43
3	36.912843	-88.669163	390.94	5.00	395.94
4	36.912961	-88.664728	383.00	5.00	388.00
5	36.910188	-88.664588	385.47	5.00	390.47
6	36.908968	-88.664598	387.94	5.00	392.94
7	36.907777	-88.664619	389.11	5.00	394.11
8	36.906289	-88.664817	393.34	5.00	398.34
9	36.906232	-88.666670	394.40	5.00	399.40
10	36.906524	-88.666676	394.06	5.00	399.06
11	36.906406	-88.671187	405.89	5.00	410.89
12	36.907327	-88.671206	405.97	5.00	410.97
13	36.908776	-88.672333	411.87	5.00	416.87
14	36.909137	-88.672337	413.46	5.00	418.46
15	36.909117	-88.671551	411.03	5.00	416.03
16	36.911869	-88.671608	395.54	5.00	400.54

Name: PV array 18
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.905473	-88.674592	417.60	5.00	422.60
2	36.905643	-88.667753	401.58	5.00	406.58
3	36.904734	-88.667717	398.49	5.00	403.49
4	36.904680	-88.668740	400.64	5.00	405.64
5	36.903759	-88.669595	404.01	5.00	409.01
6	36.903448	-88.669941	405.14	5.00	410.14
7	36.903136	-88.671604	409.02	5.00	414.02
8	36.902823	-88.672439	409.86	5.00	414.86
9	36.902770	-88.673715	412.68	5.00	417.68
10	36.902176	-88.673832	411.51	5.00	416.51
11	36.901845	-88.674387	415.43	5.00	420.43
12	36.901558	-88.674602	415.38	5.00	420.38
13	36.901513	-88.675374	413.18	5.00	418.18
14	36.901860	-88.675428	415.19	5.00	420.19
15	36.905131	-88.674717	417.57	5.00	422.57

Name: PV array 19
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.904986	-88.665480	396.99	5.00	401.99
2	36.905021	-88.664981	396.84	5.00	401.84
3	36.904695	-88.664638	397.53	5.00	402.53
4	36.903531	-88.664570	399.30	5.00	404.30
5	36.902921	-88.664871	397.96	5.00	402.96
6	36.901713	-88.664963	397.11	5.00	402.11
7	36.901657	-88.666407	399.95	5.00	404.95
8	36.901070	-88.666383	402.92	5.00	407.92
9	36.900883	-88.672707	419.07	5.00	424.07
10	36.900363	-88.672627	419.05	5.00	424.05
11	36.900384	-88.670387	410.04	5.00	415.04
12	36.900144	-88.668584	409.14	5.00	414.14
13	36.900213	-88.664810	406.77	5.00	411.77
14	36.898733	-88.664702	406.73	5.00	411.73
15	36.898670	-88.665400	410.04	5.00	415.04
16	36.898144	-88.665349	410.75	5.00	415.75
17	36.898051	-88.667185	415.66	5.00	420.66
18	36.898254	-88.670019	413.32	5.00	418.32
19	36.898201	-88.673194	420.73	5.00	425.73
20	36.899392	-88.673241	418.67	5.00	423.67
21	36.899352	-88.675693	421.75	5.00	426.75
22	36.900185	-88.675758	417.25	5.00	422.25
23	36.900802	-88.675597	414.70	5.00	419.70
24	36.900932	-88.673829	419.82	5.00	424.82
25	36.901495	-88.673878	412.37	5.00	417.37
26	36.902121	-88.673256	411.17	5.00	416.17
27	36.902752	-88.671337	409.27	5.00	414.27
28	36.903076	-88.669455	412.02	5.00	417.02
29	36.904022	-88.668766	408.77	5.00	413.77
30	36.904092	-88.665657	403.65	5.00	408.65
31	36.904709	-88.665719	401.66	5.00	406.66

Name: PV array 20
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.907358	-88.663886	387.15	5.00	392.15
2	36.907396	-88.662253	384.48	5.00	389.48
3	36.907435	-88.660749	382.27	5.00	387.27
4	36.907511	-88.657720	383.85	5.00	388.85
5	36.905968	-88.657377	388.77	5.00	393.77
6	36.905056	-88.657306	391.64	5.00	396.64
7	36.904423	-88.657520	391.65	5.00	396.65
8	36.904360	-88.659839	390.56	5.00	395.56
9	36.904297	-88.662222	394.17	5.00	399.17
10	36.903755	-88.662234	397.12	5.00	402.12
11	36.902567	-88.663093	396.89	5.00	401.89
12	36.902219	-88.663417	397.24	5.00	402.24
13	36.902176	-88.663978	396.78	5.00	401.78
14	36.903697	-88.663953	398.97	5.00	403.97
15	36.904871	-88.663886	396.53	5.00	401.53
16	36.905844	-88.663911	392.77	5.00	397.77

Name: PV array 21
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.903331	-88.661859	393.68	5.00	398.68
2	36.903354	-88.660191	392.49	5.00	397.49
3	36.901589	-88.660019	394.03	5.00	399.03
4	36.900662	-88.661008	395.00	5.00	400.00
5	36.899127	-88.662485	400.29	5.00	405.29
6	36.899083	-88.663418	401.40	5.00	406.40
7	36.898537	-88.663396	398.70	5.00	403.70
8	36.898487	-88.663968	401.97	5.00	406.97
9	36.900842	-88.664102	399.28	5.00	404.28
10	36.901244	-88.663929	399.45	5.00	404.45
11	36.902135	-88.662745	394.09	5.00	399.09

Name: PV array 22
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.903381	-88.659510	392.15	5.00	397.15
2	36.903395	-88.658733	391.07	5.00	396.07
3	36.903734	-88.658746	391.85	5.00	396.85
4	36.903760	-88.657534	390.43	5.00	395.43
5	36.903421	-88.657510	391.96	5.00	396.96
6	36.902243	-88.657676	393.44	5.00	398.44
7	36.900723	-88.657844	393.68	5.00	398.68
8	36.900666	-88.659301	392.75	5.00	397.75
9	36.902207	-88.659520	391.72	5.00	396.72

Name: PV array 23
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.905290	-88.656627	385.09	5.00	390.09
2	36.905299	-88.655981	384.99	5.00	389.99
3	36.904422	-88.655830	386.31	5.00	391.31
4	36.903208	-88.654550	384.39	5.00	389.39
5	36.901794	-88.653299	384.89	5.00	389.89
6	36.901716	-88.652063	385.04	5.00	390.04
7	36.901091	-88.652015	385.39	5.00	390.39
8	36.900863	-88.653268	384.92	5.00	389.92
9	36.900771	-88.657124	389.91	5.00	394.91
10	36.901105	-88.657175	391.32	5.00	396.32
11	36.902849	-88.657034	387.44	5.00	392.44
12	36.904394	-88.656811	384.28	5.00	389.28

Name: PV array 24
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.900239	-88.657307	395.93	5.00	400.93
2	36.900355	-88.653389	392.76	5.00	397.76
3	36.900033	-88.653423	393.05	5.00	398.05
4	36.899670	-88.655810	392.99	5.00	397.99
5	36.899617	-88.656751	395.63	5.00	400.63
6	36.899029	-88.656477	395.24	5.00	400.24
7	36.898461	-88.656486	396.30	5.00	401.30
8	36.898414	-88.657016	396.08	5.00	401.08
9	36.899015	-88.657392	395.65	5.00	400.65
10	36.899638	-88.657451	396.64	5.00	401.64

Name: PV array 25
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.897922	-88.657408	397.28	5.00	402.28
2	36.897922	-88.656603	395.83	5.00	400.83
3	36.897043	-88.656253	397.66	5.00	402.66
4	36.894978	-88.656175	400.45	5.00	405.45
5	36.894626	-88.656618	400.11	5.00	405.11
6	36.894535	-88.658736	401.59	5.00	406.59
7	36.895142	-88.658759	401.40	5.00	406.40
8	36.896066	-88.658703	401.85	5.00	406.85
9	36.896908	-88.658622	399.16	5.00	404.16
10	36.897588	-88.658441	398.03	5.00	403.03
11	36.897642	-88.657387	397.73	5.00	402.73

Name: PV array 26
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.900072	-88.660781	396.13	5.00	401.13
2	36.900113	-88.658807	393.31	5.00	398.31
3	36.899867	-88.658217	393.08	5.00	398.08
4	36.899001	-88.658181	393.45	5.00	398.45
5	36.898922	-88.660332	399.24	5.00	404.24
6	36.898241	-88.660210	403.24	5.00	408.24
7	36.897626	-88.660210	403.02	5.00	408.02
8	36.897628	-88.660935	402.76	5.00	407.76
9	36.897019	-88.660928	401.74	5.00	406.74
10	36.896931	-88.663730	404.82	5.00	409.82
11	36.897526	-88.663746	404.15	5.00	409.15
12	36.897532	-88.664036	404.75	5.00	409.75
13	36.898156	-88.664072	403.99	5.00	408.99
14	36.898195	-88.662292	403.16	5.00	408.16
15	36.898485	-88.662350	399.89	5.00	404.89
16	36.898536	-88.661391	401.32	5.00	406.32
17	36.898802	-88.661421	399.03	5.00	404.03
18	36.899480	-88.661109	393.91	5.00	398.91

Name: PV array 27
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.895972	-88.662000	402.99	5.00	407.99
2	36.896001	-88.660146	400.44	5.00	405.44
3	36.895376	-88.660118	401.83	5.00	406.83
4	36.895080	-88.660160	402.00	5.00	407.00
5	36.894460	-88.660466	401.95	5.00	406.95
6	36.894389	-88.662352	406.01	5.00	411.01
7	36.894139	-88.662346	404.02	5.00	409.02
8	36.894076	-88.664127	404.36	5.00	409.36
9	36.894696	-88.664174	406.34	5.00	411.34
10	36.894740	-88.661956	404.49	5.00	409.49

Name: PV array 28
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.897666	-88.671910	415.50	5.00	420.50
2	36.897836	-88.665330	410.54	5.00	415.54
3	36.897543	-88.665181	411.00	5.00	416.00
4	36.896602	-88.664936	409.92	5.00	414.92
5	36.894570	-88.664881	410.21	5.00	415.21
6	36.894283	-88.664964	408.76	5.00	413.76
7	36.894122	-88.670582	426.65	5.00	431.65
8	36.894400	-88.670577	426.10	5.00	431.10
9	36.894287	-88.673906	427.12	5.00	432.12
10	36.894574	-88.674618	431.21	5.00	436.21
11	36.894876	-88.674651	430.05	5.00	435.05
12	36.895195	-88.674518	426.31	5.00	431.31
13	36.895554	-88.674181	424.15	5.00	429.15
14	36.895808	-88.673523	422.16	5.00	427.16
15	36.896450	-88.673295	418.44	5.00	423.44
16	36.897019	-88.672841	417.41	5.00	422.41

Name: PV array 29
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.893504	-88.673331	432.93	5.00	437.93
2	36.893595	-88.671104	419.56	5.00	424.56
3	36.893414	-88.670538	425.09	5.00	430.09
4	36.893537	-88.666112	410.65	5.00	415.65
5	36.893249	-88.666086	409.83	5.00	414.83
6	36.892582	-88.667439	411.78	5.00	416.78
7	36.892296	-88.667942	410.49	5.00	415.49
8	36.891958	-88.669231	408.30	5.00	413.30
9	36.890797	-88.669265	412.18	5.00	417.18
10	36.890481	-88.669454	412.03	5.00	417.03
11	36.890159	-88.670202	413.60	5.00	418.60
12	36.890099	-88.670561	413.36	5.00	418.36
13	36.891623	-88.670608	413.12	5.00	418.12
14	36.891456	-88.672236	419.83	5.00	424.83
15	36.891396	-88.673355	425.61	5.00	430.61
16	36.892317	-88.673410	433.90	5.00	438.90
17	36.893163	-88.673436	434.17	5.00	439.17

Name: PV array 30
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.892169	-88.666214	408.84	5.00	413.84
2	36.892131	-88.664939	408.44	5.00	413.44
3	36.890985	-88.664859	412.16	5.00	417.16
4	36.888861	-88.664886	423.60	5.00	428.60
5	36.888780	-88.668582	430.75	5.00	435.75
6	36.888915	-88.669731	423.85	5.00	428.85
7	36.888893	-88.670548	420.76	5.00	425.76
8	36.889215	-88.670580	420.10	5.00	425.10
9	36.889222	-88.669811	422.11	5.00	427.11
10	36.889650	-88.669755	415.46	5.00	420.46
11	36.890847	-88.668459	410.12	5.00	415.12
12	36.891816	-88.667447	411.32	5.00	416.32
13	36.891840	-88.666250	409.74	5.00	414.74

Name: PV array 31
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.888261	-88.669060	436.07	5.00	441.07
2	36.888370	-88.664950	422.86	5.00	427.86
3	36.887813	-88.664888	423.34	5.00	428.34
4	36.887192	-88.665021	424.41	5.00	429.41
5	36.887118	-88.665389	424.69	5.00	429.69
6	36.885672	-88.665430	424.61	5.00	429.61
7	36.885396	-88.665991	429.22	5.00	434.22
8	36.885271	-88.668981	441.36	5.00	446.36
9	36.885873	-88.668973	441.16	5.00	446.16
10	36.885833	-88.670142	441.88	5.00	446.88
11	36.886150	-88.670153	440.78	5.00	445.78
12	36.886110	-88.671160	441.33	5.00	446.33
13	36.887005	-88.671225	438.96	5.00	443.96
14	36.887633	-88.671200	438.43	5.00	443.43
15	36.887975	-88.670927	436.17	5.00	441.17
16	36.887991	-88.669079	438.11	5.00	443.11

Name: PV array 32
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.893365	-88.664155	405.82	5.00	410.82
2	36.893447	-88.660959	404.92	5.00	409.92
3	36.893743	-88.661031	403.16	5.00	408.16
4	36.893743	-88.659818	403.69	5.00	408.69
5	36.894139	-88.659837	401.16	5.00	406.16
6	36.894442	-88.659653	402.51	5.00	407.51
7	36.894470	-88.658970	402.57	5.00	407.57
8	36.894476	-88.658891	400.93	5.00	405.93
9	36.891983	-88.658726	402.60	5.00	407.60
10	36.891663	-88.659509	408.79	5.00	413.79
11	36.891582	-88.662705	408.77	5.00	413.77
12	36.891287	-88.662705	408.28	5.00	413.28
13	36.891245	-88.663835	404.00	5.00	409.00
14	36.892453	-88.664196	406.55	5.00	411.55

Name: PV array 33
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.890961	-88.664251	415.29	5.00	420.29
2	36.891055	-88.659983	403.78	5.00	408.78
3	36.890471	-88.659931	403.01	5.00	408.01
4	36.890430	-88.660189	403.06	5.00	408.06
5	36.887768	-88.660087	406.83	5.00	411.83
6	36.887648	-88.662671	416.96	5.00	421.96
7	36.887083	-88.662907	416.23	5.00	421.23
8	36.887052	-88.664103	418.20	5.00	423.20
9	36.888822	-88.664202	422.86	5.00	427.86

Name: PV array 34
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.886756	-88.663713	419.36	5.00	424.36
2	36.886800	-88.662356	418.67	5.00	423.67
3	36.886534	-88.661989	417.34	5.00	422.34
4	36.884743	-88.661900	422.07	5.00	427.07
5	36.884114	-88.662451	416.19	5.00	421.19
6	36.884048	-88.664187	421.47	5.00	426.47
7	36.884369	-88.664183	426.05	5.00	431.05
8	36.884364	-88.664045	424.60	5.00	429.60
9	36.885563	-88.664084	427.49	5.00	432.49
10	36.885547	-88.664250	427.75	5.00	432.75
11	36.885877	-88.664338	427.28	5.00	432.28
12	36.886463	-88.664371	421.65	5.00	426.65
13	36.886479	-88.663670	423.35	5.00	428.35

Name: PV array 35
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.886518	-88.661540	412.26	5.00	417.26
2	36.886579	-88.659745	407.97	5.00	412.97
3	36.886001	-88.659256	407.61	5.00	412.61
4	36.884510	-88.659191	407.44	5.00	412.44
5	36.884439	-88.661329	414.33	5.00	419.33
6	36.885035	-88.661520	420.10	5.00	425.10

Route Receptors

Name: E Baldree Road
Path type: Two-way
Azimuthal view angle: 50.0°
Downward view angle: 0.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.906012	-88.675249	413.02	3.50	416.52
2	36.905875	-88.666741	394.58	3.50	398.08
3	36.905834	-88.664252	396.08	3.50	399.58
4	36.900226	-88.664386	401.89	3.50	405.39
5	36.897237	-88.664435	405.06	3.50	408.56
6	36.894021	-88.664545	404.03	3.50	407.53
7	36.893700	-88.664526	403.26	3.50	406.76
8	36.891113	-88.664588	410.51	3.50	414.01
9	36.886953	-88.664661	418.31	3.50	421.81
10	36.884807	-88.664705	424.74	3.50	428.24
11	36.883636	-88.664742	415.79	3.50	419.29

Name: E Pittman Road
Path type: Two-way
Azimuthal view angle: 50.0°
Downward view angle: 0.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.894651	-88.677824	432.34	3.50	435.84
2	36.894583	-88.676151	428.19	3.50	431.69
3	36.894535	-88.675239	425.78	3.50	429.28
4	36.894377	-88.674649	429.61	3.50	433.11
5	36.893965	-88.673694	427.96	3.50	431.46
6	36.893922	-88.673265	425.32	3.50	428.82
7	36.893840	-88.669325	423.82	3.50	427.32
8	36.893755	-88.664987	404.24	3.50	407.74
9	36.893772	-88.664536	403.56	3.50	407.06

Name: KY-1241-1
Path type: Two-way
Azimuthal view angle: 50.0°
Downward view angle: 0.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.890228	-88.678568	427.45	3.50	430.95
2	36.890306	-88.679133	427.40	3.50	430.90
3	36.890464	-88.679447	428.86	3.50	432.36
4	36.891406	-88.680305	433.94	3.50	437.44
5	36.892674	-88.681170	439.11	3.50	442.61
6	36.893750	-88.681784	440.11	3.50	443.61
7	36.895221	-88.682636	436.79	3.50	440.29
8	36.895816	-88.682837	434.01	3.50	437.51
9	36.896315	-88.682923	435.59	3.50	439.09
10	36.898282	-88.682925	437.45	3.50	440.95
11	36.901237	-88.682941	418.12	3.50	421.62
12	36.902470	-88.682863	423.18	3.50	426.68
13	36.904227	-88.682787	413.77	3.50	417.27
14	36.908371	-88.682743	419.36	3.50	422.86
15	36.910960	-88.682715	418.64	3.50	422.14
16	36.912936	-88.682858	402.74	3.50	406.24
17	36.913508	-88.682825	403.16	3.50	406.66
18	36.914609	-88.682697	402.84	3.50	406.34
19	36.915862	-88.682611	413.63	3.50	417.13
20	36.917705	-88.682595	410.61	3.50	414.11
21	36.918263	-88.682670	407.53	3.50	411.03
22	36.919175	-88.683078	400.52	3.50	404.02
23	36.920895	-88.683976	409.67	3.50	413.17
24	36.921727	-88.684373	410.82	3.50	414.32
25	36.923264	-88.684823	406.77	3.50	410.27
26	36.926015	-88.685557	399.12	3.50	402.62
27	36.926564	-88.685637	396.37	3.50	399.87
28	36.930266	-88.685602	389.86	3.50	393.36
29	36.936762	-88.685461	376.80	3.50	380.30
30	36.937594	-88.685375	374.87	3.50	378.37

Name: KY-1241-2
Path type: Two-way
Azimuthal view angle: 50.0°
Downward view angle: 0.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.862060	-88.665026	443.05	3.50	446.55
2	36.862420	-88.665117	443.43	3.50	446.93
3	36.863446	-88.665147	440.17	3.50	443.67
4	36.864886	-88.665107	432.18	3.50	435.68
5	36.867083	-88.665069	433.31	3.50	436.81
6	36.867877	-88.665056	438.44	3.50	441.94
7	36.868704	-88.665249	431.80	3.50	435.30
8	36.869465	-88.665646	423.73	3.50	427.23
9	36.870185	-88.666217	413.05	3.50	416.55
10	36.872747	-88.668392	410.35	3.50	413.85
11	36.874813	-88.670158	423.41	3.50	426.91
12	36.876354	-88.671459	432.93	3.50	436.43
13	36.877210	-88.671941	428.71	3.50	432.21
14	36.878259	-88.672259	427.78	3.50	431.28
15	36.879868	-88.672587	438.79	3.50	442.29
16	36.880396	-88.672818	433.17	3.50	436.67
17	36.881141	-88.673263	429.62	3.50	433.12
18	36.881865	-88.673699	436.41	3.50	439.91
19	36.883043	-88.674329	441.46	3.50	444.96
20	36.883851	-88.674752	440.87	3.50	444.37
21	36.884925	-88.675264	434.59	3.50	438.09
22	36.885594	-88.675613	437.93	3.50	441.43
23	36.886048	-88.675985	433.24	3.50	436.74
24	36.887001	-88.676673	425.74	3.50	429.24
25	36.888943	-88.678120	421.25	3.50	424.75
26	36.889276	-88.678286	418.79	3.50	422.29
27	36.889600	-88.678248	417.36	3.50	420.86
28	36.889941	-88.678173	421.63	3.50	425.13
29	36.890113	-88.678216	425.60	3.50	429.10
30	36.890226	-88.678551	427.57	3.50	431.07

Name: KY-849
Path type: Two-way
Azimuthal view angle: 50.0°
Downward view angle: 0.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.883854	-88.674770	441.05	3.50	444.55
2	36.883773	-88.671380	433.35	3.50	436.85
3	36.883665	-88.666798	416.93	3.50	420.43
4	36.883627	-88.665109	415.07	3.50	418.57
5	36.883640	-88.664165	411.75	3.50	415.25
6	36.883905	-88.660982	403.82	3.50	407.32
7	36.884121	-88.658418	397.42	3.50	400.92
8	36.884276	-88.655489	399.69	3.50	403.19
9	36.884632	-88.651017	399.19	3.50	402.69
10	36.884919	-88.648029	393.93	3.50	397.43
11	36.885006	-88.646823	396.14	3.50	399.64
12	36.884809	-88.643604	393.43	3.50	396.93
13	36.884507	-88.639400	393.88	3.50	397.38
14	36.884533	-88.638847	394.79	3.50	398.29
15	36.884825	-88.637876	397.13	3.50	400.63
16	36.885271	-88.636761	397.22	3.50	400.72
17	36.885430	-88.636396	387.52	3.50	391.02
18	36.885653	-88.635773	400.85	3.50	404.35
19	36.885766	-88.635108	397.70	3.50	401.20
20	36.885766	-88.634658	397.33	3.50	400.83

Name: Olden Road
Path type: Two-way
Azimuthal view angle: 50.0°
Downward view angle: 0.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.862075	-88.665003	442.89	3.50	446.39
2	36.862160	-88.661969	432.87	3.50	436.37
3	36.862212	-88.660134	427.19	3.50	430.69
4	36.862276	-88.657842	428.35	3.50	431.85
5	36.862342	-88.655542	433.06	3.50	436.56
6	36.862385	-88.654617	431.62	3.50	435.12

Name: Old Plant Road
Path type: Two-way
Azimuthal view angle: 50.0°
Downward view angle: 0.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.871867	-88.667616	412.11	3.50	415.61
2	36.871996	-88.667493	413.19	3.50	416.69
3	36.872097	-88.667289	413.54	3.50	417.04
4	36.872148	-88.666629	412.79	3.50	416.29
5	36.872338	-88.663870	410.46	3.50	413.96
6	36.872460	-88.662081	429.10	3.50	432.60
7	36.872491	-88.661499	428.55	3.50	432.05
8	36.872608	-88.659842	423.23	3.50	426.73
9	36.872751	-88.658257	417.34	3.50	420.84
10	36.872838	-88.656797	416.24	3.50	419.74
11	36.872866	-88.656445	412.31	3.50	415.81

Name: US-45
Path type: Two-way
Azimuthal view angle: 50.0°
Downward view angle: 0.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.930617	-88.673065	389.95	3.50	393.45
2	36.924070	-88.673404	384.61	3.50	388.11
3	36.920655	-88.673586	385.54	3.50	389.04
4	36.916228	-88.673849	393.75	3.50	397.25
5	36.912312	-88.674080	400.29	3.50	403.79
6	36.910635	-88.674203	404.96	3.50	408.46
7	36.909043	-88.674434	405.94	3.50	409.44
8	36.905050	-88.675320	420.09	3.50	423.59
9	36.899695	-88.676536	420.74	3.50	424.24
10	36.894956	-88.677574	434.38	3.50	437.88
11	36.890347	-88.678619	426.95	3.50	430.45
12	36.886398	-88.679514	445.47	3.50	448.97
13	36.884065	-88.680002	454.14	3.50	457.64
14	36.882837	-88.680179	455.83	3.50	459.33
15	36.881019	-88.680281	462.59	3.50	466.09
16	36.879372	-88.680233	466.44	3.50	469.94
17	36.877607	-88.679987	473.31	3.50	476.81
18	36.876286	-88.679736	470.46	3.50	473.96
19	36.873602	-88.678857	449.73	3.50	453.23
20	36.870769	-88.677473	428.52	3.50	432.02
21	36.863806	-88.673131	453.57	3.50	457.07
22	36.857980	-88.669467	483.07	3.50	486.57
23	36.855739	-88.668175	477.02	3.50	480.52
24	36.855052	-88.667660	477.31	3.50	480.81
25	36.851325	-88.665329	465.24	3.50	468.74
26	36.847719	-88.663409	438.79	3.50	442.29

Name: Whittemore Road
Path type: Two-way
Azimuthal view angle: 50.0°
Downward view angle: 0.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.855436	-88.656226	426.76	3.50	430.26
2	36.858578	-88.656135	436.01	3.50	439.51
3	36.859113	-88.656066	441.30	3.50	444.80
4	36.860920	-88.655245	439.42	3.50	442.92
5	36.862187	-88.654604	433.73	3.50	437.23
6	36.862513	-88.654620	431.59	3.50	435.09
7	36.862762	-88.654685	435.45	3.50	438.95
8	36.863620	-88.655430	433.57	3.50	437.07
9	36.867191	-88.655382	416.34	3.50	419.84
10	36.870534	-88.655318	412.18	3.50	415.68
11	36.871051	-88.655312	412.53	3.50	416.03
12	36.871712	-88.655554	417.98	3.50	421.48
13	36.872184	-88.655881	415.04	3.50	418.54
14	36.872829	-88.656417	411.87	3.50	415.37
15	36.873374	-88.656562	413.21	3.50	416.71
16	36.876118	-88.656503	415.97	3.50	419.47
17	36.876899	-88.656492	413.43	3.50	416.93
18	36.877448	-88.656256	409.88	3.50	413.38
19	36.877869	-88.655916	409.27	3.50	412.77
20	36.878401	-88.655729	407.54	3.50	411.04
21	36.879517	-88.655707	405.32	3.50	408.82
22	36.884266	-88.655796	399.35	3.50	402.85

Discrete Observation Point Receptors

Name	ID	Latitude (°)	Longitude (°)	Elevation (ft)	Height (ft)
OP 1	1	36.927372	-88.685179	393.58	6.00
OP 2	2	36.926739	-88.685943	399.10	6.00
OP 3	3	36.916435	-88.672578	394.75	6.00
OP 4	4	36.911131	-88.672884	404.90	6.00
OP 5	5	36.906413	-88.672293	417.38	6.00
OP 6	6	36.917118	-88.681845	415.91	6.00
OP 7	7	36.916006	-88.681375	418.10	6.00
OP 8	8	36.910968	-88.682050	421.12	6.00
OP 9	9	36.910084	-88.682087	418.95	6.00
OP 10	10	36.909556	-88.682109	423.43	6.00
OP 11	11	36.908161	-88.682334	418.67	6.00
OP 12	12	36.907013	-88.682396	422.39	6.00
OP 13	13	36.906376	-88.682371	417.63	6.00
OP 14	14	36.905790	-88.682312	421.61	6.00
OP 15	15	36.904240	-88.682287	416.20	6.00
OP 16	16	36.903369	-88.682343	423.91	6.00
OP 17	17	36.902382	-88.682429	422.70	6.00
OP 18	18	36.901979	-88.682456	422.61	6.00
OP 19	19	36.900484	-88.681782	434.72	6.00
OP 20	20	36.890374	-88.655233	402.86	6.00
OP 21	21	36.884949	-88.652131	400.33	6.00
OP 22	22	36.872991	-88.661660	430.21	6.00
OP 23	23	36.872249	-88.656924	417.27	6.00
OP 24	24	36.871695	-88.656002	416.64	6.00
OP 25	25	36.870717	-88.657611	421.90	6.00
OP 26	26	36.862104	-88.654141	437.44	6.00
OP 27	27	36.859076	-88.656834	443.80	6.00
OP 28	28	36.857582	-88.656731	440.57	6.00
OP 29	29	36.857064	-88.655706	436.77	6.00
OP 30	30	36.861385	-88.659467	436.00	6.00
OP 31	31	36.864490	-88.659475	435.41	6.00
OP 32	32	36.862520	-88.661016	436.47	6.00
OP 33	33	36.863970	-88.665393	444.32	6.00
OP 34	34	36.864429	-88.665501	437.27	6.00
OP 35	35	36.865028	-88.665396	437.50	6.00
OP 36	36	36.865599	-88.665495	438.32	6.00
OP 37	37	36.866878	-88.665707	441.59	6.00
OP 38	38	36.867386	-88.665520	441.91	6.00
OP 39	39	36.867788	-88.665493	445.00	6.00
OP 40	40	36.867715	-88.664665	438.57	6.00
OP 41	41	36.868215	-88.664649	438.57	6.00
OP 42	42	36.868938	-88.664807	435.02	6.00
OP 43	43	36.872302	-88.666698	412.57	6.00
OP 44	44	36.872300	-88.668807	412.09	6.00
OP 45	45	36.883204	-88.664386	415.27	6.00
OP 46	46	36.884998	-88.665080	428.07	6.00
OP 47	47	36.884598	-88.665144	429.78	6.00
OP 48	48	36.884099	-88.665068	427.73	6.00
OP 49	49	36.884029	-88.666151	426.47	6.00
OP 50	50	36.884110	-88.667648	435.11	6.00
OP 51	51	36.884179	-88.669668	429.66	6.00

Name	ID	Latitude (°)	Longitude (°)	Elevation (ft)	Height (ft)
OP 52	52	36.894716	-88.682896	445.86	6.00
OP 53	53	36.893716	-88.681062	446.50	6.00
OP 54	54	36.892513	-88.681936	448.78	6.00
OP 55	55	36.892071	-88.681641	447.47	6.00

Obstruction Components

Name: Treeline 1
Top height: 20.0 ft



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)
1	36.911826	-88.682558	408.69
2	36.913559	-88.682569	400.48
3	36.914605	-88.678277	394.82
4	36.914991	-88.676475	394.30
5	36.916338	-88.674769	390.97

Name: Treeline 2
Top height: 20.0 ft



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)
1	36.884105	-88.661701	413.93
2	36.886482	-88.661674	414.76

Glare Analysis Results

Summary of Results No glare predicted

PV Array	Tilt	Orient	Annual Green Glare		Annual Yellow Glare		Energy
	°	°	min	hr	min	hr	kWh
PV array 16	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 17	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 18	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 19	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 20	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 21	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 22	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 23	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 24	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 25	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 26	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 27	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 28	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 29	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 30	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 31	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 32	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 33	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 34	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 35	SA tracking	SA tracking	0	0.0	0	0.0	-

Total glare received by each receptor; may include duplicate times of glare from multiple reflective surfaces.

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV: PV array 16 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 16 and Route: E Baldree Road

No glare found

PV array 16 and Route: E Pittman Road

No glare found

PV array 16 and Route: KY-1241-1

No glare found

PV array 16 and Route: KY-1241-2

No glare found

PV array 16 and Route: KY-849

No glare found

PV array 16 and Route: Olden Road

No glare found

PV array 16 and Route: Old Plant Road

No glare found

PV array 16 and Route: US-45

No glare found

PV array 16 and Route: Whittemore Road

No glare found

PV array 16 and OP 1

No glare found

PV array 16 and OP 2

No glare found

PV array 16 and OP 3

No glare found

PV array 16 and OP 4

No glare found

PV array 16 and OP 5

No glare found

PV array 16 and OP 6

No glare found

PV array 16 and OP 7

No glare found

PV array 16 and OP 8

No glare found

PV array 16 and OP 9

No glare found

PV array 16 and OP 10

No glare found

PV array 16 and OP 11

No glare found

PV array 16 and OP 12

No glare found

PV array 16 and OP 13

No glare found

PV array 16 and OP 14

No glare found

PV array 16 and OP 15

No glare found

PV array 16 and OP 16

No glare found

PV array 16 and OP 17

No glare found

PV array 16 and OP 18

No glare found

PV array 16 and OP 19

No glare found

PV array 16 and OP 20

No glare found

PV array 16 and OP 21

No glare found

PV array 16 and OP 22

No glare found

PV array 16 and OP 23

No glare found

PV array 16 and OP 24

No glare found

PV array 16 and OP 25

No glare found

PV array 16 and OP 26

No glare found

PV array 16 and OP 27

No glare found

PV array 16 and OP 28

No glare found

PV array 16 and OP 29

No glare found

PV array 16 and OP 30

No glare found

PV array 16 and OP 31

No glare found

PV array 16 and OP 32

No glare found

PV array 16 and OP 33

No glare found

PV array 16 and OP 34

No glare found

PV array 16 and OP 35

No glare found

PV array 16 and OP 36

No glare found

PV array 16 and OP 37

No glare found

PV array 16 and OP 38

No glare found

PV array 16 and OP 39

No glare found

PV array 16 and OP 40

No glare found

PV array 16 and OP 41

No glare found

PV array 16 and OP 42

No glare found

PV array 16 and OP 43

No glare found

PV array 16 and OP 44

No glare found

PV array 16 and OP 45

No glare found

PV array 16 and OP 46

No glare found

PV array 16 and OP 47

No glare found

PV array 16 and OP 48

No glare found

PV array 16 and OP 49

No glare found

PV array 16 and OP 50

No glare found

PV array 16 and OP 51

No glare found

PV array 16 and OP 52

No glare found

PV array 16 and OP 53

No glare found

PV array 16 and OP 54

No glare found

PV array 16 and OP 55

No glare found

PV: PV array 17 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 17 and Route: E Baldree Road

No glare found

PV array 17 and Route: E Pittman Road

No glare found

PV array 17 and Route: KY-1241-1

No glare found

PV array 17 and Route: KY-1241-2

No glare found

PV array 17 and Route: KY-849

No glare found

PV array 17 and Route: Olden Road

No glare found

PV array 17 and Route: Old Plant Road

No glare found

PV array 17 and Route: US-45

No glare found

PV array 17 and Route: Whittemore Road

No glare found

PV array 17 and OP 1

No glare found

PV array 17 and OP 2

No glare found

PV array 17 and OP 3

No glare found

PV array 17 and OP 4

No glare found

PV array 17 and OP 5

No glare found

PV array 17 and OP 6

No glare found

PV array 17 and OP 7

No glare found

PV array 17 and OP 8

No glare found

PV array 17 and OP 9

No glare found

PV array 17 and OP 10

No glare found

PV array 17 and OP 11

No glare found

PV array 17 and OP 12

No glare found

PV array 17 and OP 13

No glare found

PV array 17 and OP 14

No glare found

PV array 17 and OP 15

No glare found

PV array 17 and OP 16

No glare found

PV array 17 and OP 17

No glare found

PV array 17 and OP 18

No glare found

PV array 17 and OP 19

No glare found

PV array 17 and OP 20

No glare found

PV array 17 and OP 21

No glare found

PV array 17 and OP 22

No glare found

PV array 17 and OP 23

No glare found

PV array 17 and OP 24

No glare found

PV array 17 and OP 25

No glare found

PV array 17 and OP 26

No glare found

PV array 17 and OP 27

No glare found

PV array 17 and OP 28

No glare found

PV array 17 and OP 29

No glare found

PV array 17 and OP 30

No glare found

PV array 17 and OP 31

No glare found

PV array 17 and OP 32

No glare found

PV array 17 and OP 33

No glare found

PV array 17 and OP 34

No glare found

PV array 17 and OP 35

No glare found

PV array 17 and OP 36

No glare found

PV array 17 and OP 37

No glare found

PV array 17 and OP 38

No glare found

PV array 17 and OP 39

No glare found

PV array 17 and OP 40

No glare found

PV array 17 and OP 41

No glare found

PV array 17 and OP 42

No glare found

PV array 17 and OP 43

No glare found

PV array 17 and OP 44

No glare found

PV array 17 and OP 45

No glare found

PV array 17 and OP 46

No glare found

PV array 17 and OP 47

No glare found

PV array 17 and OP 48

No glare found

PV array 17 and OP 49

No glare found

PV array 17 and OP 50

No glare found

PV array 17 and OP 51

No glare found

PV array 17 and OP 52

No glare found

PV array 17 and OP 53

No glare found

PV array 17 and OP 54

No glare found

PV array 17 and OP 55

No glare found

PV: PV array 18 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 18 and Route: E Baldree Road

No glare found

PV array 18 and Route: E Pittman Road

No glare found

PV array 18 and Route: KY-1241-1

No glare found

PV array 18 and Route: KY-1241-2

No glare found

PV array 18 and Route: KY-849

No glare found

PV array 18 and Route: Olden Road

No glare found

PV array 18 and Route: Old Plant Road

No glare found

PV array 18 and Route: US-45

No glare found

PV array 18 and Route: Whittemore Road

No glare found

PV array 18 and OP 1

No glare found

PV array 18 and OP 2

No glare found

PV array 18 and OP 3

No glare found

PV array 18 and OP 4

No glare found

PV array 18 and OP 5

No glare found

PV array 18 and OP 6

No glare found

PV array 18 and OP 7

No glare found

PV array 18 and OP 8

No glare found

PV array 18 and OP 9

No glare found

PV array 18 and OP 10

No glare found

PV array 18 and OP 11

No glare found

PV array 18 and OP 12

No glare found

PV array 18 and OP 13

No glare found

PV array 18 and OP 14

No glare found

PV array 18 and OP 15

No glare found

PV array 18 and OP 16

No glare found

PV array 18 and OP 17

No glare found

PV array 18 and OP 18

No glare found

PV array 18 and OP 19

No glare found

PV array 18 and OP 20

No glare found

PV array 18 and OP 21

No glare found

PV array 18 and OP 22

No glare found

PV array 18 and OP 23

No glare found

PV array 18 and OP 24

No glare found

PV array 18 and OP 25

No glare found

PV array 18 and OP 26

No glare found

PV array 18 and OP 27

No glare found

PV array 18 and OP 28

No glare found

PV array 18 and OP 29

No glare found

PV array 18 and OP 30

No glare found

PV array 18 and OP 31

No glare found

PV array 18 and OP 32

No glare found

PV array 18 and OP 33

No glare found

PV array 18 and OP 34

No glare found

PV array 18 and OP 35

No glare found

PV array 18 and OP 36

No glare found

PV array 18 and OP 37

No glare found

PV array 18 and OP 38

No glare found

PV array 18 and OP 39

No glare found

PV array 18 and OP 40

No glare found

PV array 18 and OP 41

No glare found

PV array 18 and OP 42

No glare found

PV array 18 and OP 43

No glare found

PV array 18 and OP 44

No glare found

PV array 18 and OP 45

No glare found

PV array 18 and OP 46

No glare found

PV array 18 and OP 47

No glare found

PV array 18 and OP 48

No glare found

PV array 18 and OP 49

No glare found

PV array 18 and OP 50

No glare found

PV array 18 and OP 51

No glare found

PV array 18 and OP 52

No glare found

PV array 18 and OP 53

No glare found

PV array 18 and OP 54

No glare found

PV array 18 and OP 55

No glare found

PV: PV array 19 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 19 and Route: E Baldree Road

No glare found

PV array 19 and Route: E Pittman Road

No glare found

PV array 19 and Route: KY-1241-1

No glare found

PV array 19 and Route: KY-1241-2

No glare found

PV array 19 and Route: KY-849

No glare found

PV array 19 and Route: Olden Road

No glare found

PV array 19 and Route: Old Plant Road

No glare found

PV array 19 and Route: US-45

No glare found

PV array 19 and Route: Whittemore Road

No glare found

PV array 19 and OP 1

No glare found

PV array 19 and OP 2

No glare found

PV array 19 and OP 3

No glare found

PV array 19 and OP 4

No glare found

PV array 19 and OP 5

No glare found

PV array 19 and OP 6

No glare found

PV array 19 and OP 7

No glare found

PV array 19 and OP 8

No glare found

PV array 19 and OP 9

No glare found

PV array 19 and OP 10

No glare found

PV array 19 and OP 11

No glare found

PV array 19 and OP 12

No glare found

PV array 19 and OP 13

No glare found

PV array 19 and OP 14

No glare found

PV array 19 and OP 15

No glare found

PV array 19 and OP 16

No glare found

PV array 19 and OP 17

No glare found

PV array 19 and OP 18

No glare found

PV array 19 and OP 19

No glare found

PV array 19 and OP 20

No glare found

PV array 19 and OP 21

No glare found

PV array 19 and OP 22

No glare found

PV array 19 and OP 23

No glare found

PV array 19 and OP 24

No glare found

PV array 19 and OP 25

No glare found

PV array 19 and OP 26

No glare found

PV array 19 and OP 27

No glare found

PV array 19 and OP 28

No glare found

PV array 19 and OP 29

No glare found

PV array 19 and OP 30

No glare found

PV array 19 and OP 31

No glare found

PV array 19 and OP 32

No glare found

PV array 19 and OP 33

No glare found

PV array 19 and OP 34

No glare found

PV array 19 and OP 35

No glare found

PV array 19 and OP 36

No glare found

PV array 19 and OP 37

No glare found

PV array 19 and OP 38

No glare found

PV array 19 and OP 39

No glare found

PV array 19 and OP 40

No glare found

PV array 19 and OP 41

No glare found

PV array 19 and OP 42

No glare found

PV array 19 and OP 43

No glare found

PV array 19 and OP 44

No glare found

PV array 19 and OP 45

No glare found

PV array 19 and OP 46

No glare found

PV array 19 and OP 47

No glare found

PV array 19 and OP 48

No glare found

PV array 19 and OP 49

No glare found

PV array 19 and OP 50

No glare found

PV array 19 and OP 51

No glare found

PV array 19 and OP 52

No glare found

PV array 19 and OP 53

No glare found

PV array 19 and OP 54

No glare found

PV array 19 and OP 55

No glare found

PV: PV array 20 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 20 and Route: E Baldree Road

No glare found

PV array 20 and Route: E Pittman Road

No glare found

PV array 20 and Route: KY-1241-1

No glare found

PV array 20 and Route: KY-1241-2

No glare found

PV array 20 and Route: KY-849

No glare found

PV array 20 and Route: Olden Road

No glare found

PV array 20 and Route: Old Plant Road

No glare found

PV array 20 and Route: US-45

No glare found

PV array 20 and Route: Whittemore Road

No glare found

PV array 20 and OP 1

No glare found

PV array 20 and OP 2

No glare found

PV array 20 and OP 3

No glare found

PV array 20 and OP 4

No glare found

PV array 20 and OP 5

No glare found

PV array 20 and OP 6

No glare found

PV array 20 and OP 7

No glare found

PV array 20 and OP 8

No glare found

PV array 20 and OP 9

No glare found

PV array 20 and OP 10

No glare found

PV array 20 and OP 11

No glare found

PV array 20 and OP 12

No glare found

PV array 20 and OP 13

No glare found

PV array 20 and OP 14

No glare found

PV array 20 and OP 15

No glare found

PV array 20 and OP 16

No glare found

PV array 20 and OP 17

No glare found

PV array 20 and OP 18

No glare found

PV array 20 and OP 19

No glare found

PV array 20 and OP 20

No glare found

PV array 20 and OP 21

No glare found

PV array 20 and OP 22

No glare found

PV array 20 and OP 23

No glare found

PV array 20 and OP 24

No glare found

PV array 20 and OP 25

No glare found

PV array 20 and OP 26

No glare found

PV array 20 and OP 27

No glare found

PV array 20 and OP 28

No glare found

PV array 20 and OP 29

No glare found

PV array 20 and OP 30

No glare found

PV array 20 and OP 31

No glare found

PV array 20 and OP 32

No glare found

PV array 20 and OP 33

No glare found

PV array 20 and OP 34

No glare found

PV array 20 and OP 35

No glare found

PV array 20 and OP 36

No glare found

PV array 20 and OP 37

No glare found

PV array 20 and OP 38

No glare found

PV array 20 and OP 39

No glare found

PV array 20 and OP 40

No glare found

PV array 20 and OP 41

No glare found

PV array 20 and OP 42

No glare found

PV array 20 and OP 43

No glare found

PV array 20 and OP 44

No glare found

PV array 20 and OP 45

No glare found

PV array 20 and OP 46

No glare found

PV array 20 and OP 47

No glare found

PV array 20 and OP 48

No glare found

PV array 20 and OP 49

No glare found

PV array 20 and OP 50

No glare found

PV array 20 and OP 51

No glare found

PV array 20 and OP 52

No glare found

PV array 20 and OP 53

No glare found

PV array 20 and OP 54

No glare found

PV array 20 and OP 55

No glare found

PV: PV array 21 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 21 and Route: E Baldree Road

No glare found

PV array 21 and Route: E Pittman Road

No glare found

PV array 21 and Route: KY-1241-1

No glare found

PV array 21 and Route: KY-1241-2

No glare found

PV array 21 and Route: KY-849

No glare found

PV array 21 and Route: Olden Road

No glare found

PV array 21 and Route: Old Plant Road

No glare found

PV array 21 and Route: US-45

No glare found

PV array 21 and Route: Whittemore Road

No glare found

PV array 21 and OP 1

No glare found

PV array 21 and OP 2

No glare found

PV array 21 and OP 3

No glare found

PV array 21 and OP 4

No glare found

PV array 21 and OP 5

No glare found

PV array 21 and OP 6

No glare found

PV array 21 and OP 7

No glare found

PV array 21 and OP 8

No glare found

PV array 21 and OP 9

No glare found

PV array 21 and OP 10

No glare found

PV array 21 and OP 11

No glare found

PV array 21 and OP 12

No glare found

PV array 21 and OP 13

No glare found

PV array 21 and OP 14

No glare found

PV array 21 and OP 15

No glare found

PV array 21 and OP 16

No glare found

PV array 21 and OP 17

No glare found

PV array 21 and OP 18

No glare found

PV array 21 and OP 19

No glare found

PV array 21 and OP 20

No glare found

PV array 21 and OP 21

No glare found

PV array 21 and OP 22

No glare found

PV array 21 and OP 23

No glare found

PV array 21 and OP 24

No glare found

PV array 21 and OP 25

No glare found

PV array 21 and OP 26

No glare found

PV array 21 and OP 27

No glare found

PV array 21 and OP 28

No glare found

PV array 21 and OP 29

No glare found

PV array 21 and OP 30

No glare found

PV array 21 and OP 31

No glare found

PV array 21 and OP 32

No glare found

PV array 21 and OP 33

No glare found

PV array 21 and OP 34

No glare found

PV array 21 and OP 35

No glare found

PV array 21 and OP 36

No glare found

PV array 21 and OP 37

No glare found

PV array 21 and OP 38

No glare found

PV array 21 and OP 39

No glare found

PV array 21 and OP 40

No glare found

PV array 21 and OP 41

No glare found

PV array 21 and OP 42

No glare found

PV array 21 and OP 43

No glare found

PV array 21 and OP 44

No glare found

PV array 21 and OP 45

No glare found

PV array 21 and OP 46

No glare found

PV array 21 and OP 47

No glare found

PV array 21 and OP 48

No glare found

PV array 21 and OP 49

No glare found

PV array 21 and OP 50

No glare found

PV array 21 and OP 51

No glare found

PV array 21 and OP 52

No glare found

PV array 21 and OP 53

No glare found

PV array 21 and OP 54

No glare found

PV array 21 and OP 55

No glare found

PV: PV array 22 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 22 and Route: E Baldree Road

No glare found

PV array 22 and Route: E Pittman Road

No glare found

PV array 22 and Route: KY-1241-1

No glare found

PV array 22 and Route: KY-1241-2

No glare found

PV array 22 and Route: KY-849

No glare found

PV array 22 and Route: Olden Road

No glare found

PV array 22 and Route: Old Plant Road

No glare found

PV array 22 and Route: US-45

No glare found

PV array 22 and Route: Whittemore Road

No glare found

PV array 22 and OP 1

No glare found

PV array 22 and OP 2

No glare found

PV array 22 and OP 3

No glare found

PV array 22 and OP 4

No glare found

PV array 22 and OP 5

No glare found

PV array 22 and OP 6

No glare found

PV array 22 and OP 7

No glare found

PV array 22 and OP 8

No glare found

PV array 22 and OP 9

No glare found

PV array 22 and OP 10

No glare found

PV array 22 and OP 11

No glare found

PV array 22 and OP 12

No glare found

PV array 22 and OP 13

No glare found

PV array 22 and OP 14

No glare found

PV array 22 and OP 15

No glare found

PV array 22 and OP 16

No glare found

PV array 22 and OP 17

No glare found

PV array 22 and OP 18

No glare found

PV array 22 and OP 19

No glare found

PV array 22 and OP 20

No glare found

PV array 22 and OP 21

No glare found

PV array 22 and OP 22

No glare found

PV array 22 and OP 23

No glare found

PV array 22 and OP 24

No glare found

PV array 22 and OP 25

No glare found

PV array 22 and OP 26

No glare found

PV array 22 and OP 27

No glare found

PV array 22 and OP 28

No glare found

PV array 22 and OP 29

No glare found

PV array 22 and OP 30

No glare found

PV array 22 and OP 31

No glare found

PV array 22 and OP 32

No glare found

PV array 22 and OP 33

No glare found

PV array 22 and OP 34

No glare found

PV array 22 and OP 35

No glare found

PV array 22 and OP 36

No glare found

PV array 22 and OP 37

No glare found

PV array 22 and OP 38

No glare found

PV array 22 and OP 39

No glare found

PV array 22 and OP 40

No glare found

PV array 22 and OP 41

No glare found

PV array 22 and OP 42

No glare found

PV array 22 and OP 43

No glare found

PV array 22 and OP 44

No glare found

PV array 22 and OP 45

No glare found

PV array 22 and OP 46

No glare found

PV array 22 and OP 47

No glare found

PV array 22 and OP 48

No glare found

PV array 22 and OP 49

No glare found

PV array 22 and OP 50

No glare found

PV array 22 and OP 51

No glare found

PV array 22 and OP 52

No glare found

PV array 22 and OP 53

No glare found

PV array 22 and OP 54

No glare found

PV array 22 and OP 55

No glare found

PV: PV array 23 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 23 and Route: E Baldree Road

No glare found

PV array 23 and Route: E Pittman Road

No glare found

PV array 23 and Route: KY-1241-1

No glare found

PV array 23 and Route: KY-1241-2

No glare found

PV array 23 and Route: KY-849

No glare found

PV array 23 and Route: Olden Road

No glare found

PV array 23 and Route: Old Plant Road

No glare found

PV array 23 and Route: US-45

No glare found

PV array 23 and Route: Whittemore Road

No glare found

PV array 23 and OP 1

No glare found

PV array 23 and OP 2

No glare found

PV array 23 and OP 3

No glare found

PV array 23 and OP 4

No glare found

PV array 23 and OP 5

No glare found

PV array 23 and OP 6

No glare found

PV array 23 and OP 7

No glare found

PV array 23 and OP 8

No glare found

PV array 23 and OP 9

No glare found

PV array 23 and OP 10

No glare found

PV array 23 and OP 11

No glare found

PV array 23 and OP 12

No glare found

PV array 23 and OP 13

No glare found

PV array 23 and OP 14

No glare found

PV array 23 and OP 15

No glare found

PV array 23 and OP 16

No glare found

PV array 23 and OP 17

No glare found

PV array 23 and OP 18

No glare found

PV array 23 and OP 19

No glare found

PV array 23 and OP 20

No glare found

PV array 23 and OP 21

No glare found

PV array 23 and OP 22

No glare found

PV array 23 and OP 23

No glare found

PV array 23 and OP 24

No glare found

PV array 23 and OP 25

No glare found

PV array 23 and OP 26

No glare found

PV array 23 and OP 27

No glare found

PV array 23 and OP 28

No glare found

PV array 23 and OP 29

No glare found

PV array 23 and OP 30

No glare found

PV array 23 and OP 31

No glare found

PV array 23 and OP 32

No glare found

PV array 23 and OP 33

No glare found

PV array 23 and OP 34

No glare found

PV array 23 and OP 35

No glare found

PV array 23 and OP 36

No glare found

PV array 23 and OP 37

No glare found

PV array 23 and OP 38

No glare found

PV array 23 and OP 39

No glare found

PV array 23 and OP 40

No glare found

PV array 23 and OP 41

No glare found

PV array 23 and OP 42

No glare found

PV array 23 and OP 43

No glare found

PV array 23 and OP 44

No glare found

PV array 23 and OP 45

No glare found

PV array 23 and OP 46

No glare found

PV array 23 and OP 47

No glare found

PV array 23 and OP 48

No glare found

PV array 23 and OP 49

No glare found

PV array 23 and OP 50

No glare found

PV array 23 and OP 51

No glare found

PV array 23 and OP 52

No glare found

PV array 23 and OP 53

No glare found

PV array 23 and OP 54

No glare found

PV array 23 and OP 55

No glare found

PV: PV array 24 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 24 and Route: E Baldree Road

No glare found

PV array 24 and Route: E Pittman Road

No glare found

PV array 24 and Route: KY-1241-1

No glare found

PV array 24 and Route: KY-1241-2

No glare found

PV array 24 and Route: KY-849

No glare found

PV array 24 and Route: Olden Road

No glare found

PV array 24 and Route: Old Plant Road

No glare found

PV array 24 and Route: US-45

No glare found

PV array 24 and Route: Whittemore Road

No glare found

PV array 24 and OP 1

No glare found

PV array 24 and OP 2

No glare found

PV array 24 and OP 3

No glare found

PV array 24 and OP 4

No glare found

PV array 24 and OP 5

No glare found

PV array 24 and OP 6

No glare found

PV array 24 and OP 7

No glare found

PV array 24 and OP 8

No glare found

PV array 24 and OP 9

No glare found

PV array 24 and OP 10

No glare found

PV array 24 and OP 11

No glare found

PV array 24 and OP 12

No glare found

PV array 24 and OP 13

No glare found

PV array 24 and OP 14

No glare found

PV array 24 and OP 15

No glare found

PV array 24 and OP 16

No glare found

PV array 24 and OP 17

No glare found

PV array 24 and OP 18

No glare found

PV array 24 and OP 19

No glare found

PV array 24 and OP 20

No glare found

PV array 24 and OP 21

No glare found

PV array 24 and OP 22

No glare found

PV array 24 and OP 23

No glare found

PV array 24 and OP 24

No glare found

PV array 24 and OP 25

No glare found

PV array 24 and OP 26

No glare found

PV array 24 and OP 27

No glare found

PV array 24 and OP 28

No glare found

PV array 24 and OP 29

No glare found

PV array 24 and OP 30

No glare found

PV array 24 and OP 31

No glare found

PV array 24 and OP 32

No glare found

PV array 24 and OP 33

No glare found

PV array 24 and OP 34

No glare found

PV array 24 and OP 35

No glare found

PV array 24 and OP 36

No glare found

PV array 24 and OP 37

No glare found

PV array 24 and OP 38

No glare found

PV array 24 and OP 39

No glare found

PV array 24 and OP 40

No glare found

PV array 24 and OP 41

No glare found

PV array 24 and OP 42

No glare found

PV array 24 and OP 43

No glare found

PV array 24 and OP 44

No glare found

PV array 24 and OP 45

No glare found

PV array 24 and OP 46

No glare found

PV array 24 and OP 47

No glare found

PV array 24 and OP 48

No glare found

PV array 24 and OP 49

No glare found

PV array 24 and OP 50

No glare found

PV array 24 and OP 51

No glare found

PV array 24 and OP 52

No glare found

PV array 24 and OP 53

No glare found

PV array 24 and OP 54

No glare found

PV array 24 and OP 55

No glare found

PV: PV array 25 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 25 and Route: E Baldree Road

No glare found

PV array 25 and Route: E Pittman Road

No glare found

PV array 25 and Route: KY-1241-1

No glare found

PV array 25 and Route: KY-1241-2

No glare found

PV array 25 and Route: KY-849

No glare found

PV array 25 and Route: Olden Road

No glare found

PV array 25 and Route: Old Plant Road

No glare found

PV array 25 and Route: US-45

No glare found

PV array 25 and Route: Whittemore Road

No glare found

PV array 25 and OP 1

No glare found

PV array 25 and OP 2

No glare found

PV array 25 and OP 3

No glare found

PV array 25 and OP 4

No glare found

PV array 25 and OP 5

No glare found

PV array 25 and OP 6

No glare found

PV array 25 and OP 7

No glare found

PV array 25 and OP 8

No glare found

PV array 25 and OP 9

No glare found

PV array 25 and OP 10

No glare found

PV array 25 and OP 11

No glare found

PV array 25 and OP 12

No glare found

PV array 25 and OP 13

No glare found

PV array 25 and OP 14

No glare found

PV array 25 and OP 15

No glare found

PV array 25 and OP 16

No glare found

PV array 25 and OP 17

No glare found

PV array 25 and OP 18

No glare found

PV array 25 and OP 19

No glare found

PV array 25 and OP 20

No glare found

PV array 25 and OP 21

No glare found

PV array 25 and OP 22

No glare found

PV array 25 and OP 23

No glare found

PV array 25 and OP 24

No glare found

PV array 25 and OP 25

No glare found

PV array 25 and OP 26

No glare found

PV array 25 and OP 27

No glare found

PV array 25 and OP 28

No glare found

PV array 25 and OP 29

No glare found

PV array 25 and OP 30

No glare found

PV array 25 and OP 31

No glare found

PV array 25 and OP 32

No glare found

PV array 25 and OP 33

No glare found

PV array 25 and OP 34

No glare found

PV array 25 and OP 35

No glare found

PV array 25 and OP 36

No glare found

PV array 25 and OP 37

No glare found

PV array 25 and OP 38

No glare found

PV array 25 and OP 39

No glare found

PV array 25 and OP 40

No glare found

PV array 25 and OP 41

No glare found

PV array 25 and OP 42

No glare found

PV array 25 and OP 43

No glare found

PV array 25 and OP 44

No glare found

PV array 25 and OP 45

No glare found

PV array 25 and OP 46

No glare found

PV array 25 and OP 47

No glare found

PV array 25 and OP 48

No glare found

PV array 25 and OP 49

No glare found

PV array 25 and OP 50

No glare found

PV array 25 and OP 51

No glare found

PV array 25 and OP 52

No glare found

PV array 25 and OP 53

No glare found

PV array 25 and OP 54

No glare found

PV array 25 and OP 55

No glare found

PV: PV array 26 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 26 and Route: E Baldree Road

No glare found

PV array 26 and Route: E Pittman Road

No glare found

PV array 26 and Route: KY-1241-1

No glare found

PV array 26 and Route: KY-1241-2

No glare found

PV array 26 and Route: KY-849

No glare found

PV array 26 and Route: Olden Road

No glare found

PV array 26 and Route: Old Plant Road

No glare found

PV array 26 and Route: US-45

No glare found

PV array 26 and Route: Whittemore Road

No glare found

PV array 26 and OP 1

No glare found

PV array 26 and OP 2

No glare found

PV array 26 and OP 3

No glare found

PV array 26 and OP 4

No glare found

PV array 26 and OP 5

No glare found

PV array 26 and OP 6

No glare found

PV array 26 and OP 7

No glare found

PV array 26 and OP 8

No glare found

PV array 26 and OP 9

No glare found

PV array 26 and OP 10

No glare found

PV array 26 and OP 11

No glare found

PV array 26 and OP 12

No glare found

PV array 26 and OP 13

No glare found

PV array 26 and OP 14

No glare found

PV array 26 and OP 15

No glare found

PV array 26 and OP 16

No glare found

PV array 26 and OP 17

No glare found

PV array 26 and OP 18

No glare found

PV array 26 and OP 19

No glare found

PV array 26 and OP 20

No glare found

PV array 26 and OP 21

No glare found

PV array 26 and OP 22

No glare found

PV array 26 and OP 23

No glare found

PV array 26 and OP 24

No glare found

PV array 26 and OP 25

No glare found

PV array 26 and OP 26

No glare found

PV array 26 and OP 27

No glare found

PV array 26 and OP 28

No glare found

PV array 26 and OP 29

No glare found

PV array 26 and OP 30

No glare found

PV array 26 and OP 31

No glare found

PV array 26 and OP 32

No glare found

PV array 26 and OP 33

No glare found

PV array 26 and OP 34

No glare found

PV array 26 and OP 35

No glare found

PV array 26 and OP 36

No glare found

PV array 26 and OP 37

No glare found

PV array 26 and OP 38

No glare found

PV array 26 and OP 39

No glare found

PV array 26 and OP 40

No glare found

PV array 26 and OP 41

No glare found

PV array 26 and OP 42

No glare found

PV array 26 and OP 43

No glare found

PV array 26 and OP 44

No glare found

PV array 26 and OP 45

No glare found

PV array 26 and OP 46

No glare found

PV array 26 and OP 47

No glare found

PV array 26 and OP 48

No glare found

PV array 26 and OP 49

No glare found

PV array 26 and OP 50

No glare found

PV array 26 and OP 51

No glare found

PV array 26 and OP 52

No glare found

PV array 26 and OP 53

No glare found

PV array 26 and OP 54

No glare found

PV array 26 and OP 55

No glare found

PV: PV array 27 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 27 and Route: E Baldree Road

No glare found

PV array 27 and Route: E Pittman Road

No glare found

PV array 27 and Route: KY-1241-1

No glare found

PV array 27 and Route: KY-1241-2

No glare found

PV array 27 and Route: KY-849

No glare found

PV array 27 and Route: Olden Road

No glare found

PV array 27 and Route: Old Plant Road

No glare found

PV array 27 and Route: US-45

No glare found

PV array 27 and Route: Whittemore Road

No glare found

PV array 27 and OP 1

No glare found

PV array 27 and OP 2

No glare found

PV array 27 and OP 3

No glare found

PV array 27 and OP 4

No glare found

PV array 27 and OP 5

No glare found

PV array 27 and OP 6

No glare found

PV array 27 and OP 7

No glare found

PV array 27 and OP 8

No glare found

PV array 27 and OP 9

No glare found

PV array 27 and OP 10

No glare found

PV array 27 and OP 11

No glare found

PV array 27 and OP 12

No glare found

PV array 27 and OP 13

No glare found

PV array 27 and OP 14

No glare found

PV array 27 and OP 15

No glare found

PV array 27 and OP 16

No glare found

PV array 27 and OP 17

No glare found

PV array 27 and OP 18

No glare found

PV array 27 and OP 19

No glare found

PV array 27 and OP 20

No glare found

PV array 27 and OP 21

No glare found

PV array 27 and OP 22

No glare found

PV array 27 and OP 23

No glare found

PV array 27 and OP 24

No glare found

PV array 27 and OP 25

No glare found

PV array 27 and OP 26

No glare found

PV array 27 and OP 27

No glare found

PV array 27 and OP 28

No glare found

PV array 27 and OP 29

No glare found

PV array 27 and OP 30

No glare found

PV array 27 and OP 31

No glare found

PV array 27 and OP 32

No glare found

PV array 27 and OP 33

No glare found

PV array 27 and OP 34

No glare found

PV array 27 and OP 35

No glare found

PV array 27 and OP 36

No glare found

PV array 27 and OP 37

No glare found

PV array 27 and OP 38

No glare found

PV array 27 and OP 39

No glare found

PV array 27 and OP 40

No glare found

PV array 27 and OP 41

No glare found

PV array 27 and OP 42

No glare found

PV array 27 and OP 43

No glare found

PV array 27 and OP 44

No glare found

PV array 27 and OP 45

No glare found

PV array 27 and OP 46

No glare found

PV array 27 and OP 47

No glare found

PV array 27 and OP 48

No glare found

PV array 27 and OP 49

No glare found

PV array 27 and OP 50

No glare found

PV array 27 and OP 51

No glare found

PV array 27 and OP 52

No glare found

PV array 27 and OP 53

No glare found

PV array 27 and OP 54

No glare found

PV array 27 and OP 55

No glare found

PV: PV array 28 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 28 and Route: E Baldree Road

No glare found

PV array 28 and Route: E Pittman Road

No glare found

PV array 28 and Route: KY-1241-1

No glare found

PV array 28 and Route: KY-1241-2

No glare found

PV array 28 and Route: KY-849

No glare found

PV array 28 and Route: Olden Road

No glare found

PV array 28 and Route: Old Plant Road

No glare found

PV array 28 and Route: US-45

No glare found

PV array 28 and Route: Whittemore Road

No glare found

PV array 28 and OP 1

No glare found

PV array 28 and OP 2

No glare found

PV array 28 and OP 3

No glare found

PV array 28 and OP 4

No glare found

PV array 28 and OP 5

No glare found

PV array 28 and OP 6

No glare found

PV array 28 and OP 7

No glare found

PV array 28 and OP 8

No glare found

PV array 28 and OP 9

No glare found

PV array 28 and OP 10

No glare found

PV array 28 and OP 11

No glare found

PV array 28 and OP 12

No glare found

PV array 28 and OP 13

No glare found

PV array 28 and OP 14

No glare found

PV array 28 and OP 15

No glare found

PV array 28 and OP 16

No glare found

PV array 28 and OP 17

No glare found

PV array 28 and OP 18

No glare found

PV array 28 and OP 19

No glare found

PV array 28 and OP 20

No glare found

PV array 28 and OP 21

No glare found

PV array 28 and OP 22

No glare found

PV array 28 and OP 23

No glare found

PV array 28 and OP 24

No glare found

PV array 28 and OP 25

No glare found

PV array 28 and OP 26

No glare found

PV array 28 and OP 27

No glare found

PV array 28 and OP 28

No glare found

PV array 28 and OP 29

No glare found

PV array 28 and OP 30

No glare found

PV array 28 and OP 31

No glare found

PV array 28 and OP 32

No glare found

PV array 28 and OP 33

No glare found

PV array 28 and OP 34

No glare found

PV array 28 and OP 35

No glare found

PV array 28 and OP 36

No glare found

PV array 28 and OP 37

No glare found

PV array 28 and OP 38

No glare found

PV array 28 and OP 39

No glare found

PV array 28 and OP 40

No glare found

PV array 28 and OP 41

No glare found

PV array 28 and OP 42

No glare found

PV array 28 and OP 43

No glare found

PV array 28 and OP 44

No glare found

PV array 28 and OP 45

No glare found

PV array 28 and OP 46

No glare found

PV array 28 and OP 47

No glare found

PV array 28 and OP 48

No glare found

PV array 28 and OP 49

No glare found

PV array 28 and OP 50

No glare found

PV array 28 and OP 51

No glare found

PV array 28 and OP 52

No glare found

PV array 28 and OP 53

No glare found

PV array 28 and OP 54

No glare found

PV array 28 and OP 55

No glare found

PV: PV array 29 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 29 and Route: E Baldree Road

No glare found

PV array 29 and Route: E Pittman Road

No glare found

PV array 29 and Route: KY-1241-1

No glare found

PV array 29 and Route: KY-1241-2

No glare found

PV array 29 and Route: KY-849

No glare found

PV array 29 and Route: Olden Road

No glare found

PV array 29 and Route: Old Plant Road

No glare found

PV array 29 and Route: US-45

No glare found

PV array 29 and Route: Whittemore Road

No glare found

PV array 29 and OP 1

No glare found

PV array 29 and OP 2

No glare found

PV array 29 and OP 3

No glare found

PV array 29 and OP 4

No glare found

PV array 29 and OP 5

No glare found

PV array 29 and OP 6

No glare found

PV array 29 and OP 7

No glare found

PV array 29 and OP 8

No glare found

PV array 29 and OP 9

No glare found

PV array 29 and OP 10

No glare found

PV array 29 and OP 11

No glare found

PV array 29 and OP 12

No glare found

PV array 29 and OP 13

No glare found

PV array 29 and OP 14

No glare found

PV array 29 and OP 15

No glare found

PV array 29 and OP 16

No glare found

PV array 29 and OP 17

No glare found

PV array 29 and OP 18

No glare found

PV array 29 and OP 19

No glare found

PV array 29 and OP 20

No glare found

PV array 29 and OP 21

No glare found

PV array 29 and OP 22

No glare found

PV array 29 and OP 23

No glare found

PV array 29 and OP 24

No glare found

PV array 29 and OP 25

No glare found

PV array 29 and OP 26

No glare found

PV array 29 and OP 27

No glare found

PV array 29 and OP 28

No glare found

PV array 29 and OP 29

No glare found

PV array 29 and OP 30

No glare found

PV array 29 and OP 31

No glare found

PV array 29 and OP 32

No glare found

PV array 29 and OP 33

No glare found

PV array 29 and OP 34

No glare found

PV array 29 and OP 35

No glare found

PV array 29 and OP 36

No glare found

PV array 29 and OP 37

No glare found

PV array 29 and OP 38

No glare found

PV array 29 and OP 39

No glare found

PV array 29 and OP 40

No glare found

PV array 29 and OP 41

No glare found

PV array 29 and OP 42

No glare found

PV array 29 and OP 43

No glare found

PV array 29 and OP 44

No glare found

PV array 29 and OP 45

No glare found

PV array 29 and OP 46

No glare found

PV array 29 and OP 47

No glare found

PV array 29 and OP 48

No glare found

PV array 29 and OP 49

No glare found

PV array 29 and OP 50

No glare found

PV array 29 and OP 51

No glare found

PV array 29 and OP 52

No glare found

PV array 29 and OP 53

No glare found

PV array 29 and OP 54

No glare found

PV array 29 and OP 55

No glare found

PV: PV array 30 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 30 and Route: E Baldree Road

No glare found

PV array 30 and Route: E Pittman Road

No glare found

PV array 30 and Route: KY-1241-1

No glare found

PV array 30 and Route: KY-1241-2

No glare found

PV array 30 and Route: KY-849

No glare found

PV array 30 and Route: Olden Road

No glare found

PV array 30 and Route: Old Plant Road

No glare found

PV array 30 and Route: US-45

No glare found

PV array 30 and Route: Whittemore Road

No glare found

PV array 30 and OP 1

No glare found

PV array 30 and OP 2

No glare found

PV array 30 and OP 3

No glare found

PV array 30 and OP 4

No glare found

PV array 30 and OP 5

No glare found

PV array 30 and OP 6

No glare found

PV array 30 and OP 7

No glare found

PV array 30 and OP 8

No glare found

PV array 30 and OP 9

No glare found

PV array 30 and OP 10

No glare found

PV array 30 and OP 11

No glare found

PV array 30 and OP 12

No glare found

PV array 30 and OP 13

No glare found

PV array 30 and OP 14

No glare found

PV array 30 and OP 15

No glare found

PV array 30 and OP 16

No glare found

PV array 30 and OP 17

No glare found

PV array 30 and OP 18

No glare found

PV array 30 and OP 19

No glare found

PV array 30 and OP 20

No glare found

PV array 30 and OP 21

No glare found

PV array 30 and OP 22

No glare found

PV array 30 and OP 23

No glare found

PV array 30 and OP 24

No glare found

PV array 30 and OP 25

No glare found

PV array 30 and OP 26

No glare found

PV array 30 and OP 27

No glare found

PV array 30 and OP 28

No glare found

PV array 30 and OP 29

No glare found

PV array 30 and OP 30

No glare found

PV array 30 and OP 31

No glare found

PV array 30 and OP 32

No glare found

PV array 30 and OP 33

No glare found

PV array 30 and OP 34

No glare found

PV array 30 and OP 35

No glare found

PV array 30 and OP 36

No glare found

PV array 30 and OP 37

No glare found

PV array 30 and OP 38

No glare found

PV array 30 and OP 39

No glare found

PV array 30 and OP 40

No glare found

PV array 30 and OP 41

No glare found

PV array 30 and OP 42

No glare found

PV array 30 and OP 43

No glare found

PV array 30 and OP 44

No glare found

PV array 30 and OP 45

No glare found

PV array 30 and OP 46

No glare found

PV array 30 and OP 47

No glare found

PV array 30 and OP 48

No glare found

PV array 30 and OP 49

No glare found

PV array 30 and OP 50

No glare found

PV array 30 and OP 51

No glare found

PV array 30 and OP 52

No glare found

PV array 30 and OP 53

No glare found

PV array 30 and OP 54

No glare found

PV array 30 and OP 55

No glare found

PV: PV array 31 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 31 and Route: E Baldree Road

No glare found

PV array 31 and Route: E Pittman Road

No glare found

PV array 31 and Route: KY-1241-1

No glare found

PV array 31 and Route: KY-1241-2

No glare found

PV array 31 and Route: KY-849

No glare found

PV array 31 and Route: Olden Road

No glare found

PV array 31 and Route: Old Plant Road

No glare found

PV array 31 and Route: US-45

No glare found

PV array 31 and Route: Whittemore Road

No glare found

PV array 31 and OP 1

No glare found

PV array 31 and OP 2

No glare found

PV array 31 and OP 3

No glare found

PV array 31 and OP 4

No glare found

PV array 31 and OP 5

No glare found

PV array 31 and OP 6

No glare found

PV array 31 and OP 7

No glare found

PV array 31 and OP 8

No glare found

PV array 31 and OP 9

No glare found

PV array 31 and OP 10

No glare found

PV array 31 and OP 11

No glare found

PV array 31 and OP 12

No glare found

PV array 31 and OP 13

No glare found

PV array 31 and OP 14

No glare found

PV array 31 and OP 15

No glare found

PV array 31 and OP 16

No glare found

PV array 31 and OP 17

No glare found

PV array 31 and OP 18

No glare found

PV array 31 and OP 19

No glare found

PV array 31 and OP 20

No glare found

PV array 31 and OP 21

No glare found

PV array 31 and OP 22

No glare found

PV array 31 and OP 23

No glare found

PV array 31 and OP 24

No glare found

PV array 31 and OP 25

No glare found

PV array 31 and OP 26

No glare found

PV array 31 and OP 27

No glare found

PV array 31 and OP 28

No glare found

PV array 31 and OP 29

No glare found

PV array 31 and OP 30

No glare found

PV array 31 and OP 31

No glare found

PV array 31 and OP 32

No glare found

PV array 31 and OP 33

No glare found

PV array 31 and OP 34

No glare found

PV array 31 and OP 35

No glare found

PV array 31 and OP 36

No glare found

PV array 31 and OP 37

No glare found

PV array 31 and OP 38

No glare found

PV array 31 and OP 39

No glare found

PV array 31 and OP 40

No glare found

PV array 31 and OP 41

No glare found

PV array 31 and OP 42

No glare found

PV array 31 and OP 43

No glare found

PV array 31 and OP 44

No glare found

PV array 31 and OP 45

No glare found

PV array 31 and OP 46

No glare found

PV array 31 and OP 47

No glare found

PV array 31 and OP 48

No glare found

PV array 31 and OP 49

No glare found

PV array 31 and OP 50

No glare found

PV array 31 and OP 51

No glare found

PV array 31 and OP 52

No glare found

PV array 31 and OP 53

No glare found

PV array 31 and OP 54

No glare found

PV array 31 and OP 55

No glare found

PV: PV array 32 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 32 and Route: E Baldree Road

No glare found

PV array 32 and Route: E Pittman Road

No glare found

PV array 32 and Route: KY-1241-1

No glare found

PV array 32 and Route: KY-1241-2

No glare found

PV array 32 and Route: KY-849

No glare found

PV array 32 and Route: Olden Road

No glare found

PV array 32 and Route: Old Plant Road

No glare found

PV array 32 and Route: US-45

No glare found

PV array 32 and Route: Whittemore Road

No glare found

PV array 32 and OP 1

No glare found

PV array 32 and OP 2

No glare found

PV array 32 and OP 3

No glare found

PV array 32 and OP 4

No glare found

PV array 32 and OP 5

No glare found

PV array 32 and OP 6

No glare found

PV array 32 and OP 7

No glare found

PV array 32 and OP 8

No glare found

PV array 32 and OP 9

No glare found

PV array 32 and OP 10

No glare found

PV array 32 and OP 11

No glare found

PV array 32 and OP 12

No glare found

PV array 32 and OP 13

No glare found

PV array 32 and OP 14

No glare found

PV array 32 and OP 15

No glare found

PV array 32 and OP 16

No glare found

PV array 32 and OP 17

No glare found

PV array 32 and OP 18

No glare found

PV array 32 and OP 19

No glare found

PV array 32 and OP 20

No glare found

PV array 32 and OP 21

No glare found

PV array 32 and OP 22

No glare found

PV array 32 and OP 23

No glare found

PV array 32 and OP 24

No glare found

PV array 32 and OP 25

No glare found

PV array 32 and OP 26

No glare found

PV array 32 and OP 27

No glare found

PV array 32 and OP 28

No glare found

PV array 32 and OP 29

No glare found

PV array 32 and OP 30

No glare found

PV array 32 and OP 31

No glare found

PV array 32 and OP 32

No glare found

PV array 32 and OP 33

No glare found

PV array 32 and OP 34

No glare found

PV array 32 and OP 35

No glare found

PV array 32 and OP 36

No glare found

PV array 32 and OP 37

No glare found

PV array 32 and OP 38

No glare found

PV array 32 and OP 39

No glare found

PV array 32 and OP 40

No glare found

PV array 32 and OP 41

No glare found

PV array 32 and OP 42

No glare found

PV array 32 and OP 43

No glare found

PV array 32 and OP 44

No glare found

PV array 32 and OP 45

No glare found

PV array 32 and OP 46

No glare found

PV array 32 and OP 47

No glare found

PV array 32 and OP 48

No glare found

PV array 32 and OP 49

No glare found

PV array 32 and OP 50

No glare found

PV array 32 and OP 51

No glare found

PV array 32 and OP 52

No glare found

PV array 32 and OP 53

No glare found

PV array 32 and OP 54

No glare found

PV array 32 and OP 55

No glare found

PV: PV array 33 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 33 and Route: E Baldree Road

No glare found

PV array 33 and Route: E Pittman Road

No glare found

PV array 33 and Route: KY-1241-1

No glare found

PV array 33 and Route: KY-1241-2

No glare found

PV array 33 and Route: KY-849

No glare found

PV array 33 and Route: Olden Road

No glare found

PV array 33 and Route: Old Plant Road

No glare found

PV array 33 and Route: US-45

No glare found

PV array 33 and Route: Whittemore Road

No glare found

PV array 33 and OP 1

No glare found

PV array 33 and OP 2

No glare found

PV array 33 and OP 3

No glare found

PV array 33 and OP 4

No glare found

PV array 33 and OP 5

No glare found

PV array 33 and OP 6

No glare found

PV array 33 and OP 7

No glare found

PV array 33 and OP 8

No glare found

PV array 33 and OP 9

No glare found

PV array 33 and OP 10

No glare found

PV array 33 and OP 11

No glare found

PV array 33 and OP 12

No glare found

PV array 33 and OP 13

No glare found

PV array 33 and OP 14

No glare found

PV array 33 and OP 15

No glare found

PV array 33 and OP 16

No glare found

PV array 33 and OP 17

No glare found

PV array 33 and OP 18

No glare found

PV array 33 and OP 19

No glare found

PV array 33 and OP 20

No glare found

PV array 33 and OP 21

No glare found

PV array 33 and OP 22

No glare found

PV array 33 and OP 23

No glare found

PV array 33 and OP 24

No glare found

PV array 33 and OP 25

No glare found

PV array 33 and OP 26

No glare found

PV array 33 and OP 27

No glare found

PV array 33 and OP 28

No glare found

PV array 33 and OP 29

No glare found

PV array 33 and OP 30

No glare found

PV array 33 and OP 31

No glare found

PV array 33 and OP 32

No glare found

PV array 33 and OP 33

No glare found

PV array 33 and OP 34

No glare found

PV array 33 and OP 35

No glare found

PV array 33 and OP 36

No glare found

PV array 33 and OP 37

No glare found

PV array 33 and OP 38

No glare found

PV array 33 and OP 39

No glare found

PV array 33 and OP 40

No glare found

PV array 33 and OP 41

No glare found

PV array 33 and OP 42

No glare found

PV array 33 and OP 43

No glare found

PV array 33 and OP 44

No glare found

PV array 33 and OP 45

No glare found

PV array 33 and OP 46

No glare found

PV array 33 and OP 47

No glare found

PV array 33 and OP 48

No glare found

PV array 33 and OP 49

No glare found

PV array 33 and OP 50

No glare found

PV array 33 and OP 51

No glare found

PV array 33 and OP 52

No glare found

PV array 33 and OP 53

No glare found

PV array 33 and OP 54

No glare found

PV array 33 and OP 55

No glare found

PV: PV array 34 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 34 and Route: E Baldree Road

No glare found

PV array 34 and Route: E Pittman Road

No glare found

PV array 34 and Route: KY-1241-1

No glare found

PV array 34 and Route: KY-1241-2

No glare found

PV array 34 and Route: KY-849

No glare found

PV array 34 and Route: Olden Road

No glare found

PV array 34 and Route: Old Plant Road

No glare found

PV array 34 and Route: US-45

No glare found

PV array 34 and Route: Whittemore Road

No glare found

PV array 34 and OP 1

No glare found

PV array 34 and OP 2

No glare found

PV array 34 and OP 3

No glare found

PV array 34 and OP 4

No glare found

PV array 34 and OP 5

No glare found

PV array 34 and OP 6

No glare found

PV array 34 and OP 7

No glare found

PV array 34 and OP 8

No glare found

PV array 34 and OP 9

No glare found

PV array 34 and OP 10

No glare found

PV array 34 and OP 11

No glare found

PV array 34 and OP 12

No glare found

PV array 34 and OP 13

No glare found

PV array 34 and OP 14

No glare found

PV array 34 and OP 15

No glare found

PV array 34 and OP 16

No glare found

PV array 34 and OP 17

No glare found

PV array 34 and OP 18

No glare found

PV array 34 and OP 19

No glare found

PV array 34 and OP 20

No glare found

PV array 34 and OP 21

No glare found

PV array 34 and OP 22

No glare found

PV array 34 and OP 23

No glare found

PV array 34 and OP 24

No glare found

PV array 34 and OP 25

No glare found

PV array 34 and OP 26

No glare found

PV array 34 and OP 27

No glare found

PV array 34 and OP 28

No glare found

PV array 34 and OP 29

No glare found

PV array 34 and OP 30

No glare found

PV array 34 and OP 31

No glare found

PV array 34 and OP 32

No glare found

PV array 34 and OP 33

No glare found

PV array 34 and OP 34

No glare found

PV array 34 and OP 35

No glare found

PV array 34 and OP 36

No glare found

PV array 34 and OP 37

No glare found

PV array 34 and OP 38

No glare found

PV array 34 and OP 39

No glare found

PV array 34 and OP 40

No glare found

PV array 34 and OP 41

No glare found

PV array 34 and OP 42

No glare found

PV array 34 and OP 43

No glare found

PV array 34 and OP 44

No glare found

PV array 34 and OP 45

No glare found

PV array 34 and OP 46

No glare found

PV array 34 and OP 47

No glare found

PV array 34 and OP 48

No glare found

PV array 34 and OP 49

No glare found

PV array 34 and OP 50

No glare found

PV array 34 and OP 51

No glare found

PV array 34 and OP 52

No glare found

PV array 34 and OP 53

No glare found

PV array 34 and OP 54

No glare found

PV array 34 and OP 55

No glare found

PV: PV array 35 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 35 and Route: E Baldree Road

No glare found

PV array 35 and Route: E Pittman Road

No glare found

PV array 35 and Route: KY-1241-1

No glare found

PV array 35 and Route: KY-1241-2

No glare found

PV array 35 and Route: KY-849

No glare found

PV array 35 and Route: Olden Road

No glare found

PV array 35 and Route: Old Plant Road

No glare found

PV array 35 and Route: US-45

No glare found

PV array 35 and Route: Whittemore Road

No glare found

PV array 35 and OP 1

No glare found

PV array 35 and OP 2

No glare found

PV array 35 and OP 3

No glare found

PV array 35 and OP 4

No glare found

PV array 35 and OP 5

No glare found

PV array 35 and OP 6

No glare found

PV array 35 and OP 7

No glare found

PV array 35 and OP 8

No glare found

PV array 35 and OP 9

No glare found

PV array 35 and OP 10

No glare found

PV array 35 and OP 11

No glare found

PV array 35 and OP 12

No glare found

PV array 35 and OP 13

No glare found

PV array 35 and OP 14

No glare found

PV array 35 and OP 15

No glare found

PV array 35 and OP 16

No glare found

PV array 35 and OP 17

No glare found

PV array 35 and OP 18

No glare found

PV array 35 and OP 19

No glare found

PV array 35 and OP 20

No glare found

PV array 35 and OP 21

No glare found

PV array 35 and OP 22

No glare found

PV array 35 and OP 23

No glare found

PV array 35 and OP 24

No glare found

PV array 35 and OP 25

No glare found

PV array 35 and OP 26

No glare found

PV array 35 and OP 27

No glare found

PV array 35 and OP 28

No glare found

PV array 35 and OP 29

No glare found

PV array 35 and OP 30

No glare found

PV array 35 and OP 31

No glare found

PV array 35 and OP 32

No glare found

PV array 35 and OP 33

No glare found

PV array 35 and OP 34

No glare found

PV array 35 and OP 35

No glare found

PV array 35 and OP 36

No glare found

PV array 35 and OP 37

No glare found

PV array 35 and OP 38

No glare found

PV array 35 and OP 39

No glare found

PV array 35 and OP 40

No glare found

PV array 35 and OP 41

No glare found

PV array 35 and OP 42

No glare found

PV array 35 and OP 43

No glare found

PV array 35 and OP 44

No glare found

PV array 35 and OP 45

No glare found

PV array 35 and OP 46

No glare found

PV array 35 and OP 47

No glare found

PV array 35 and OP 48

No glare found

PV array 35 and OP 49

No glare found

PV array 35 and OP 50

No glare found

PV array 35 and OP 51

No glare found

PV array 35 and OP 52

No glare found

PV array 35 and OP 53

No glare found

PV array 35 and OP 54

No glare found

PV array 35 and OP 55

No glare found

Assumptions

"Green" glare is glare with low potential to cause an after-image (flash blindness) when observed prior to a typical blink response time.
"Yellow" glare is glare with potential to cause an after-image (flash blindness) when observed prior to a typical blink response time.
Times associated with glare are denoted in Standard time. For Daylight Savings, add one hour.
The algorithm does not rigorously represent the detailed geometry of a system; detailed features such as gaps between modules, variable height of the PV array, and support structures may impact actual glare results. However, we have validated our models against several systems, including a PV array causing glare to the air-traffic control tower at Manchester-Boston Regional Airport and several sites in Albuquerque, and the tool accurately predicted the occurrence and intensity of glare at different times and days of the year.
Several V1 calculations utilize the PV array centroid, rather than the actual glare spot location, due to algorithm limitations. This may affect results for large PV footprints. Additional analyses of array sub-sections can provide additional information on expected glare. This primarily affects V1 analyses of path receptors.
Random number computations are utilized by various steps of the annual hazard analysis algorithm. Predicted minutes of glare can vary between runs as a result. This limitation primarily affects analyses of Observation Point receptors, including ATCTs. Note that the SGHAT/ ForgeSolar methodology has always relied on an analytical, qualitative approach to accurately determine the overall hazard (i.e. green vs. yellow) of expected glare on an annual basis.
The analysis does not automatically consider obstacles (either man-made or natural) between the observation points and the prescribed solar installation that may obstruct observed glare, such as trees, hills, buildings, etc.
The subtended source angle (glare spot size) is constrained by the PV array footprint size. Partitioning large arrays into smaller sections will reduce the maximum potential subtended angle, potentially impacting results if actual glare spots are larger than the sub-array size. Additional analyses of the combined area of adjacent sub-arrays can provide more information on potential glare hazards. (See previous point on related limitations.)
The variable direct normal irradiance (DNI) feature (if selected) scales the user-prescribed peak DNI using a typical clear-day irradiance profile. This profile has a lower DNI in the mornings and evenings and a maximum at solar noon. The scaling uses a clear-day irradiance profile based on a normalized time relative to sunrise, solar noon, and sunset, which are prescribed by a sun-position algorithm and the latitude and longitude obtained from Google maps. The actual DNI on any given day can be affected by cloud cover, atmospheric attenuation, and other environmental factors.
The ocular hazard predicted by the tool depends on a number of environmental, optical, and human factors, which can be uncertain. We provide input fields and typical ranges of values for these factors so that the user can vary these parameters to see if they have an impact on the results. The speed of SGHAT allows expedited sensitivity and parametric analyses.
The system output calculation is a DNI-based approximation that assumes clear, sunny skies year-round. It should not be used in place of more rigorous modeling methods.
Hazard zone boundaries shown in the Glare Hazard plot are an approximation and visual aid based on aggregated research data. Actual ocular impact outcomes encompass a continuous, not discrete, spectrum.
Glare locations displayed on receptor plots are approximate. Actual glare-spot locations may differ.
Refer to the Help page at **www.forgesolar.com/help/** for assumptions and limitations not listed here.

Default glare analysis parameters and observer eye characteristics (for reference only):

- Analysis time interval: 1 minute
- Ocular transmission coefficient: 0.5
- Pupil diameter: 0.002 meters
- Eye focal length: 0.017 meters
- Sun subtended angle: 9.3 milliradians

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FORGESOLAR GLARE ANALYSIS

Project: **Mayfield Solar**
Site configuration: **North Arrays Analysis 4- 2nd Story**

Created 05 Dec, 2025
Updated 08 Dec, 2025
Time-step 1 minute
Timezone offset UTC-6
Minimum sun altitude 0.0 deg
DNI peaks at 1,000.0 W/m^2
Category 100 MW to 1 GW
Site ID 166516.27781

Ocular transmission coefficient 0.5
Pupil diameter 0.002 m
Eye focal length 0.017 m
Sun subtended angle 9.3 mrad
PV analysis methodology V2

Summary of Results No glare predicted

PV Array	Tilt	Orient	Annual Green Glare		Annual Yellow Glare		Energy
	°	°	min	hr	min	hr	kWh
PV array 16	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 17	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 18	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 19	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 20	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 21	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 22	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 23	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 24	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 25	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 26	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 27	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 28	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 29	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 30	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 31	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 32	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 33	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 34	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 35	SA tracking	SA tracking	0	0.0	0	0.0	-

Total glare received by each receptor; may include duplicate times of glare from multiple reflective surfaces.

E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

Component Data

PV Arrays

Name: PV array 16
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.916615	-88.663707	385.21	5.00	390.21
2	36.916645	-88.663389	385.44	5.00	390.44
3	36.916822	-88.662935	385.65	5.00	390.65
4	36.916860	-88.661338	385.58	5.00	390.58
5	36.912896	-88.661189	386.74	5.00	391.74
6	36.912910	-88.660084	387.60	5.00	392.60
7	36.912003	-88.660036	387.82	5.00	392.82
8	36.911908	-88.662767	387.72	5.00	392.72
9	36.913091	-88.662831	388.09	5.00	393.09
10	36.913032	-88.663684	385.43	5.00	390.43
11	36.913655	-88.663735	387.76	5.00	392.76
12	36.914873	-88.663738	385.96	5.00	390.96

Name: PV array 17
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.912497	-88.671565	395.32	5.00	400.32
2	36.912578	-88.669151	391.43	5.00	396.43
3	36.912843	-88.669163	390.94	5.00	395.94
4	36.912961	-88.664728	383.00	5.00	388.00
5	36.910188	-88.664588	385.47	5.00	390.47
6	36.908968	-88.664598	387.94	5.00	392.94
7	36.907777	-88.664619	389.11	5.00	394.11
8	36.906289	-88.664817	393.34	5.00	398.34
9	36.906232	-88.666670	394.40	5.00	399.40
10	36.906524	-88.666676	394.06	5.00	399.06
11	36.906406	-88.671187	405.89	5.00	410.89
12	36.907327	-88.671206	405.97	5.00	410.97
13	36.908776	-88.672333	411.87	5.00	416.87
14	36.909137	-88.672337	413.46	5.00	418.46
15	36.909117	-88.671551	411.03	5.00	416.03
16	36.911869	-88.671608	395.54	5.00	400.54

Name: PV array 18
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.905473	-88.674592	417.60	5.00	422.60
2	36.905643	-88.667753	401.58	5.00	406.58
3	36.904734	-88.667717	398.49	5.00	403.49
4	36.904680	-88.668740	400.64	5.00	405.64
5	36.903759	-88.669595	404.01	5.00	409.01
6	36.903448	-88.669941	405.14	5.00	410.14
7	36.903136	-88.671604	409.02	5.00	414.02
8	36.902823	-88.672439	409.86	5.00	414.86
9	36.902770	-88.673715	412.68	5.00	417.68
10	36.902176	-88.673832	411.51	5.00	416.51
11	36.901845	-88.674387	415.43	5.00	420.43
12	36.901558	-88.674602	415.38	5.00	420.38
13	36.901513	-88.675374	413.18	5.00	418.18
14	36.901860	-88.675428	415.19	5.00	420.19
15	36.905131	-88.674717	417.57	5.00	422.57

Name: PV array 19
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.904986	-88.665480	396.99	5.00	401.99
2	36.905021	-88.664981	396.84	5.00	401.84
3	36.904695	-88.664638	397.53	5.00	402.53
4	36.903531	-88.664570	399.30	5.00	404.30
5	36.902921	-88.664871	397.96	5.00	402.96
6	36.901713	-88.664963	397.11	5.00	402.11
7	36.901657	-88.666407	399.95	5.00	404.95
8	36.901070	-88.666383	402.92	5.00	407.92
9	36.900883	-88.672707	419.07	5.00	424.07
10	36.900363	-88.672627	419.05	5.00	424.05
11	36.900384	-88.670387	410.04	5.00	415.04
12	36.900144	-88.668584	409.14	5.00	414.14
13	36.900213	-88.664810	406.77	5.00	411.77
14	36.898733	-88.664702	406.73	5.00	411.73
15	36.898670	-88.665400	410.04	5.00	415.04
16	36.898144	-88.665349	410.75	5.00	415.75
17	36.898051	-88.667185	415.66	5.00	420.66
18	36.898254	-88.670019	413.32	5.00	418.32
19	36.898201	-88.673194	420.73	5.00	425.73
20	36.899392	-88.673241	418.67	5.00	423.67
21	36.899352	-88.675693	421.75	5.00	426.75
22	36.900185	-88.675758	417.25	5.00	422.25
23	36.900802	-88.675597	414.70	5.00	419.70
24	36.900932	-88.673829	419.82	5.00	424.82
25	36.901495	-88.673878	412.37	5.00	417.37
26	36.902121	-88.673256	411.17	5.00	416.17
27	36.902752	-88.671337	409.27	5.00	414.27
28	36.903076	-88.669455	412.02	5.00	417.02
29	36.904022	-88.668766	408.77	5.00	413.77
30	36.904092	-88.665657	403.65	5.00	408.65
31	36.904709	-88.665719	401.66	5.00	406.66

Name: PV array 20
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.907358	-88.663886	387.15	5.00	392.15
2	36.907396	-88.662253	384.48	5.00	389.48
3	36.907435	-88.660749	382.27	5.00	387.27
4	36.907511	-88.657720	383.85	5.00	388.85
5	36.905968	-88.657377	388.77	5.00	393.77
6	36.905056	-88.657306	391.64	5.00	396.64
7	36.904423	-88.657520	391.65	5.00	396.65
8	36.904360	-88.659839	390.56	5.00	395.56
9	36.904297	-88.662222	394.17	5.00	399.17
10	36.903755	-88.662234	397.12	5.00	402.12
11	36.902567	-88.663093	396.89	5.00	401.89
12	36.902219	-88.663417	397.24	5.00	402.24
13	36.902176	-88.663978	396.78	5.00	401.78
14	36.903697	-88.663953	398.97	5.00	403.97
15	36.904871	-88.663886	396.53	5.00	401.53
16	36.905844	-88.663911	392.77	5.00	397.77

Name: PV array 21
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.903331	-88.661859	393.68	5.00	398.68
2	36.903354	-88.660191	392.49	5.00	397.49
3	36.901589	-88.660019	394.03	5.00	399.03
4	36.900662	-88.661008	395.00	5.00	400.00
5	36.899127	-88.662485	400.29	5.00	405.29
6	36.899083	-88.663418	401.40	5.00	406.40
7	36.898537	-88.663396	398.70	5.00	403.70
8	36.898487	-88.663968	401.97	5.00	406.97
9	36.900842	-88.664102	399.28	5.00	404.28
10	36.901244	-88.663929	399.45	5.00	404.45
11	36.902135	-88.662745	394.09	5.00	399.09

Name: PV array 22
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.903381	-88.659510	392.15	5.00	397.15
2	36.903395	-88.658733	391.07	5.00	396.07
3	36.903734	-88.658746	391.85	5.00	396.85
4	36.903760	-88.657534	390.43	5.00	395.43
5	36.903421	-88.657510	391.96	5.00	396.96
6	36.902243	-88.657676	393.44	5.00	398.44
7	36.900723	-88.657844	393.68	5.00	398.68
8	36.900666	-88.659301	392.75	5.00	397.75
9	36.902207	-88.659520	391.72	5.00	396.72

Name: PV array 23
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.905290	-88.656627	385.09	5.00	390.09
2	36.905299	-88.655981	384.99	5.00	389.99
3	36.904422	-88.655830	386.31	5.00	391.31
4	36.903208	-88.654550	384.39	5.00	389.39
5	36.901794	-88.653299	384.89	5.00	389.89
6	36.901716	-88.652063	385.04	5.00	390.04
7	36.901091	-88.652015	385.39	5.00	390.39
8	36.900863	-88.653268	384.92	5.00	389.92
9	36.900771	-88.657124	389.91	5.00	394.91
10	36.901105	-88.657175	391.32	5.00	396.32
11	36.902849	-88.657034	387.44	5.00	392.44
12	36.904394	-88.656811	384.28	5.00	389.28

Name: PV array 24
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.900239	-88.657307	395.93	5.00	400.93
2	36.900355	-88.653389	392.76	5.00	397.76
3	36.900033	-88.653423	393.05	5.00	398.05
4	36.899670	-88.655810	392.99	5.00	397.99
5	36.899617	-88.656751	395.63	5.00	400.63
6	36.899029	-88.656477	395.24	5.00	400.24
7	36.898461	-88.656486	396.30	5.00	401.30
8	36.898414	-88.657016	396.08	5.00	401.08
9	36.899015	-88.657392	395.65	5.00	400.65
10	36.899638	-88.657451	396.64	5.00	401.64

Name: PV array 25
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.897922	-88.657408	397.28	5.00	402.28
2	36.897922	-88.656603	395.83	5.00	400.83
3	36.897043	-88.656253	397.66	5.00	402.66
4	36.894978	-88.656175	400.45	5.00	405.45
5	36.894626	-88.656618	400.11	5.00	405.11
6	36.894535	-88.658736	401.59	5.00	406.59
7	36.895142	-88.658759	401.40	5.00	406.40
8	36.896066	-88.658703	401.85	5.00	406.85
9	36.896908	-88.658622	399.16	5.00	404.16
10	36.897588	-88.658441	398.03	5.00	403.03
11	36.897642	-88.657387	397.73	5.00	402.73

Name: PV array 26
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.900072	-88.660781	396.13	5.00	401.13
2	36.900113	-88.658807	393.31	5.00	398.31
3	36.899867	-88.658217	393.08	5.00	398.08
4	36.899001	-88.658181	393.45	5.00	398.45
5	36.898922	-88.660332	399.24	5.00	404.24
6	36.898241	-88.660210	403.24	5.00	408.24
7	36.897626	-88.660210	403.02	5.00	408.02
8	36.897628	-88.660935	402.76	5.00	407.76
9	36.897019	-88.660928	401.74	5.00	406.74
10	36.896931	-88.663730	404.82	5.00	409.82
11	36.897526	-88.663746	404.15	5.00	409.15
12	36.897532	-88.664036	404.75	5.00	409.75
13	36.898156	-88.664072	403.99	5.00	408.99
14	36.898195	-88.662292	403.16	5.00	408.16
15	36.898485	-88.662350	399.89	5.00	404.89
16	36.898536	-88.661391	401.32	5.00	406.32
17	36.898802	-88.661421	399.03	5.00	404.03
18	36.899480	-88.661109	393.91	5.00	398.91

Name: PV array 27
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.895972	-88.662000	402.99	5.00	407.99
2	36.896001	-88.660146	400.44	5.00	405.44
3	36.895376	-88.660118	401.83	5.00	406.83
4	36.895080	-88.660160	402.00	5.00	407.00
5	36.894460	-88.660466	401.95	5.00	406.95
6	36.894389	-88.662352	406.01	5.00	411.01
7	36.894139	-88.662346	404.02	5.00	409.02
8	36.894076	-88.664127	404.36	5.00	409.36
9	36.894696	-88.664174	406.34	5.00	411.34
10	36.894740	-88.661956	404.49	5.00	409.49

Name: PV array 28
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.897666	-88.671910	415.50	5.00	420.50
2	36.897836	-88.665330	410.54	5.00	415.54
3	36.897543	-88.665181	411.00	5.00	416.00
4	36.896602	-88.664936	409.92	5.00	414.92
5	36.894570	-88.664881	410.21	5.00	415.21
6	36.894283	-88.664964	408.76	5.00	413.76
7	36.894122	-88.670582	426.65	5.00	431.65
8	36.894400	-88.670577	426.10	5.00	431.10
9	36.894287	-88.673906	427.12	5.00	432.12
10	36.894574	-88.674618	431.21	5.00	436.21
11	36.894876	-88.674651	430.05	5.00	435.05
12	36.895195	-88.674518	426.31	5.00	431.31
13	36.895554	-88.674181	424.15	5.00	429.15
14	36.895808	-88.673523	422.16	5.00	427.16
15	36.896450	-88.673295	418.44	5.00	423.44
16	36.897019	-88.672841	417.41	5.00	422.41

Name: PV array 29
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.893504	-88.673331	432.93	5.00	437.93
2	36.893595	-88.671104	419.56	5.00	424.56
3	36.893414	-88.670538	425.09	5.00	430.09
4	36.893537	-88.666112	410.65	5.00	415.65
5	36.893249	-88.666086	409.83	5.00	414.83
6	36.892582	-88.667439	411.78	5.00	416.78
7	36.892296	-88.667942	410.49	5.00	415.49
8	36.891958	-88.669231	408.30	5.00	413.30
9	36.890797	-88.669265	412.18	5.00	417.18
10	36.890481	-88.669454	412.03	5.00	417.03
11	36.890159	-88.670202	413.60	5.00	418.60
12	36.890099	-88.670561	413.36	5.00	418.36
13	36.891623	-88.670608	413.12	5.00	418.12
14	36.891456	-88.672236	419.83	5.00	424.83
15	36.891396	-88.673355	425.61	5.00	430.61
16	36.892317	-88.673410	433.90	5.00	438.90
17	36.893163	-88.673436	434.17	5.00	439.17

Name: PV array 30
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.892169	-88.666214	408.84	5.00	413.84
2	36.892131	-88.664939	408.44	5.00	413.44
3	36.890985	-88.664859	412.16	5.00	417.16
4	36.888861	-88.664886	423.60	5.00	428.60
5	36.888780	-88.668582	430.75	5.00	435.75
6	36.888915	-88.669731	423.85	5.00	428.85
7	36.888893	-88.670548	420.76	5.00	425.76
8	36.889215	-88.670580	420.10	5.00	425.10
9	36.889222	-88.669811	422.11	5.00	427.11
10	36.889650	-88.669755	415.46	5.00	420.46
11	36.890847	-88.668459	410.12	5.00	415.12
12	36.891816	-88.667447	411.32	5.00	416.32
13	36.891840	-88.666250	409.74	5.00	414.74

Name: PV array 31
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.888261	-88.669060	436.07	5.00	441.07
2	36.888370	-88.664950	422.86	5.00	427.86
3	36.887813	-88.664888	423.34	5.00	428.34
4	36.887192	-88.665021	424.41	5.00	429.41
5	36.887118	-88.665389	424.69	5.00	429.69
6	36.885672	-88.665430	424.61	5.00	429.61
7	36.885396	-88.665991	429.22	5.00	434.22
8	36.885271	-88.668981	441.36	5.00	446.36
9	36.885873	-88.668973	441.16	5.00	446.16
10	36.885833	-88.670142	441.88	5.00	446.88
11	36.886150	-88.670153	440.78	5.00	445.78
12	36.886110	-88.671160	441.33	5.00	446.33
13	36.887005	-88.671225	438.96	5.00	443.96
14	36.887633	-88.671200	438.43	5.00	443.43
15	36.887975	-88.670927	436.17	5.00	441.17
16	36.887991	-88.669079	438.11	5.00	443.11

Name: PV array 32
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.893365	-88.664155	405.82	5.00	410.82
2	36.893447	-88.660959	404.92	5.00	409.92
3	36.893743	-88.661031	403.16	5.00	408.16
4	36.893743	-88.659818	403.69	5.00	408.69
5	36.894139	-88.659837	401.16	5.00	406.16
6	36.894442	-88.659653	402.51	5.00	407.51
7	36.894470	-88.658970	402.57	5.00	407.57
8	36.894476	-88.658891	400.93	5.00	405.93
9	36.891983	-88.658726	402.60	5.00	407.60
10	36.891663	-88.659509	408.79	5.00	413.79
11	36.891582	-88.662705	408.77	5.00	413.77
12	36.891287	-88.662705	408.28	5.00	413.28
13	36.891245	-88.663835	404.00	5.00	409.00
14	36.892453	-88.664196	406.55	5.00	411.55

Name: PV array 33
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.890961	-88.664251	415.29	5.00	420.29
2	36.891055	-88.659983	403.78	5.00	408.78
3	36.890471	-88.659931	403.01	5.00	408.01
4	36.890430	-88.660189	403.06	5.00	408.06
5	36.887768	-88.660087	406.83	5.00	411.83
6	36.887648	-88.662671	416.96	5.00	421.96
7	36.887083	-88.662907	416.23	5.00	421.23
8	36.887052	-88.664103	418.20	5.00	423.20
9	36.888822	-88.664202	422.86	5.00	427.86

Name: PV array 34
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.886756	-88.663713	419.36	5.00	424.36
2	36.886800	-88.662356	418.67	5.00	423.67
3	36.886534	-88.661989	417.34	5.00	422.34
4	36.884743	-88.661900	422.07	5.00	427.07
5	36.884114	-88.662451	416.19	5.00	421.19
6	36.884048	-88.664187	421.47	5.00	426.47
7	36.884369	-88.664183	426.05	5.00	431.05
8	36.884364	-88.664045	424.60	5.00	429.60
9	36.885563	-88.664084	427.49	5.00	432.49
10	36.885547	-88.664250	427.75	5.00	432.75
11	36.885877	-88.664338	427.28	5.00	432.28
12	36.886463	-88.664371	421.65	5.00	426.65
13	36.886479	-88.663670	423.35	5.00	428.35

Name: PV array 35
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0°
Max tracking angle: 52.0°
Resting angle: 5.0°
Ground Coverage Ratio: 0.41
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.886518	-88.661540	412.26	5.00	417.26
2	36.886579	-88.659745	407.97	5.00	412.97
3	36.886001	-88.659256	407.61	5.00	412.61
4	36.884510	-88.659191	407.44	5.00	412.44
5	36.884439	-88.661329	414.33	5.00	419.33
6	36.885035	-88.661520	420.10	5.00	425.10

Route Receptors

Name: E Baldree Road
Path type: Two-way
Azimuthal view angle: 50.0°
Downward view angle: 0.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.906012	-88.675249	413.02	7.50	420.52
2	36.905875	-88.666741	394.58	7.50	402.08
3	36.905834	-88.664252	396.08	7.50	403.58
4	36.900226	-88.664386	401.89	7.50	409.39
5	36.897237	-88.664435	405.06	7.50	412.56
6	36.894021	-88.664545	404.03	7.50	411.53
7	36.893700	-88.664526	403.26	7.50	410.76
8	36.891113	-88.664588	410.51	7.50	418.01
9	36.886953	-88.664661	418.31	7.50	425.81
10	36.884807	-88.664705	424.74	7.50	432.24
11	36.883636	-88.664742	415.79	7.50	423.29

Name: E Pittman Road
Path type: Two-way
Azimuthal view angle: 50.0°
Downward view angle: 0.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.894651	-88.677824	432.34	7.50	439.84
2	36.894583	-88.676151	428.19	7.50	435.69
3	36.894535	-88.675239	425.78	7.50	433.28
4	36.894377	-88.674649	429.61	7.50	437.11
5	36.893965	-88.673694	427.96	7.50	435.46
6	36.893922	-88.673265	425.32	7.50	432.82
7	36.893840	-88.669325	423.82	7.50	431.32
8	36.893755	-88.664987	404.24	7.50	411.74
9	36.893772	-88.664536	403.56	7.50	411.06

Name: KY-1241-1
Path type: Two-way
Azimuthal view angle: 50.0°
Downward view angle: 0.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.890228	-88.678568	427.45	7.50	434.95
2	36.890306	-88.679133	427.40	7.50	434.90
3	36.890464	-88.679447	428.86	7.50	436.36
4	36.891406	-88.680305	433.94	7.50	441.44
5	36.892674	-88.681170	439.11	7.50	446.61
6	36.893750	-88.681784	440.11	7.50	447.61
7	36.895221	-88.682636	436.79	7.50	444.29
8	36.895816	-88.682837	434.01	7.50	441.51
9	36.896315	-88.682923	435.59	7.50	443.09
10	36.898282	-88.682925	437.45	7.50	444.95
11	36.901237	-88.682941	418.12	7.50	425.62
12	36.902470	-88.682863	423.18	7.50	430.68
13	36.904227	-88.682787	413.77	7.50	421.27
14	36.908371	-88.682743	419.36	7.50	426.86
15	36.910960	-88.682715	418.64	7.50	426.14
16	36.912936	-88.682858	402.74	7.50	410.24
17	36.913508	-88.682825	403.16	7.50	410.66
18	36.914609	-88.682697	402.84	7.50	410.34
19	36.915862	-88.682611	413.63	7.50	421.13
20	36.917705	-88.682595	410.61	7.50	418.11
21	36.918263	-88.682670	407.53	7.50	415.03
22	36.919175	-88.683078	400.52	7.50	408.02
23	36.920895	-88.683976	409.67	7.50	417.17
24	36.921727	-88.684373	410.82	7.50	418.32
25	36.923264	-88.684823	406.77	7.50	414.27
26	36.926015	-88.685557	399.12	7.50	406.62
27	36.926564	-88.685637	396.37	7.50	403.87
28	36.930266	-88.685602	389.86	7.50	397.36
29	36.936762	-88.685461	376.80	7.50	384.30
30	36.937594	-88.685375	374.87	7.50	382.37

Name: KY-1241-2
Path type: Two-way
Azimuthal view angle: 50.0°
Downward view angle: 0.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.862060	-88.665026	443.05	7.50	450.55
2	36.862420	-88.665117	443.43	7.50	450.93
3	36.863446	-88.665147	440.17	7.50	447.67
4	36.864886	-88.665107	432.18	7.50	439.68
5	36.867083	-88.665069	433.31	7.50	440.81
6	36.867877	-88.665056	438.44	7.50	445.94
7	36.868704	-88.665249	431.80	7.50	439.30
8	36.869465	-88.665646	423.73	7.50	431.23
9	36.870185	-88.666217	413.05	7.50	420.55
10	36.872747	-88.668392	410.35	7.50	417.85
11	36.874813	-88.670158	423.41	7.50	430.91
12	36.876354	-88.671459	432.93	7.50	440.43
13	36.877210	-88.671941	428.71	7.50	436.21
14	36.878259	-88.672259	427.78	7.50	435.28
15	36.879868	-88.672587	438.79	7.50	446.29
16	36.880396	-88.672818	433.17	7.50	440.67
17	36.881141	-88.673263	429.62	7.50	437.12
18	36.881865	-88.673699	436.41	7.50	443.91
19	36.883043	-88.674329	441.46	7.50	448.96
20	36.883851	-88.674752	440.87	7.50	448.37
21	36.884925	-88.675264	434.59	7.50	442.09
22	36.885594	-88.675613	437.93	7.50	445.43
23	36.886048	-88.675985	433.24	7.50	440.74
24	36.887001	-88.676673	425.74	7.50	433.24
25	36.888943	-88.678120	421.25	7.50	428.75
26	36.889276	-88.678286	418.79	7.50	426.29
27	36.889600	-88.678248	417.36	7.50	424.86
28	36.889941	-88.678173	421.63	7.50	429.13
29	36.890113	-88.678216	425.60	7.50	433.10
30	36.890226	-88.678551	427.57	7.50	435.07

Name: KY-849
Path type: Two-way
Azimuthal view angle: 50.0°
Downward view angle: 0.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.883854	-88.674770	441.05	7.50	448.55
2	36.883773	-88.671380	433.35	7.50	440.85
3	36.883665	-88.666798	416.93	7.50	424.43
4	36.883627	-88.665109	415.07	7.50	422.57
5	36.883640	-88.664165	411.75	7.50	419.25
6	36.883905	-88.660982	403.82	7.50	411.32
7	36.884121	-88.658418	397.42	7.50	404.92
8	36.884276	-88.655489	399.69	7.50	407.19
9	36.884632	-88.651017	399.19	7.50	406.69
10	36.884919	-88.648029	393.93	7.50	401.43
11	36.885006	-88.646823	396.14	7.50	403.64
12	36.884809	-88.643604	393.43	7.50	400.93
13	36.884507	-88.639400	393.88	7.50	401.38
14	36.884533	-88.638847	394.79	7.50	402.29
15	36.884825	-88.637876	397.13	7.50	404.63
16	36.885271	-88.636761	397.22	7.50	404.72
17	36.885430	-88.636396	387.52	7.50	395.02
18	36.885653	-88.635773	400.85	7.50	408.35
19	36.885766	-88.635108	397.70	7.50	405.20
20	36.885766	-88.634658	397.33	7.50	404.83

Name: Olden Road
Path type: Two-way
Azimuthal view angle: 50.0°
Downward view angle: 0.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.862075	-88.665003	442.89	7.50	450.39
2	36.862160	-88.661969	432.87	7.50	440.37
3	36.862212	-88.660134	427.19	7.50	434.69
4	36.862276	-88.657842	428.35	7.50	435.85
5	36.862342	-88.655542	433.06	7.50	440.56
6	36.862385	-88.654617	431.62	7.50	439.12

Name: Old Plant Road
Path type: Two-way
Azimuthal view angle: 50.0°
Downward view angle: 0.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.871867	-88.667616	412.11	7.50	419.61
2	36.871996	-88.667493	413.19	7.50	420.69
3	36.872097	-88.667289	413.54	7.50	421.04
4	36.872148	-88.666629	412.79	7.50	420.29
5	36.872338	-88.663870	410.46	7.50	417.96
6	36.872460	-88.662081	429.10	7.50	436.60
7	36.872491	-88.661499	428.55	7.50	436.05
8	36.872608	-88.659842	423.23	7.50	430.73
9	36.872751	-88.658257	417.34	7.50	424.84
10	36.872838	-88.656797	416.24	7.50	423.74
11	36.872866	-88.656445	412.31	7.50	419.81

Name: US-45
Path type: Two-way
Azimuthal view angle: 50.0°
Downward view angle: 0.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.930617	-88.673065	389.95	7.50	397.45
2	36.924070	-88.673404	384.61	7.50	392.11
3	36.920655	-88.673586	385.54	7.50	393.04
4	36.916228	-88.673849	393.75	7.50	401.25
5	36.912312	-88.674080	400.29	7.50	407.79
6	36.910635	-88.674203	404.96	7.50	412.46
7	36.909043	-88.674434	405.94	7.50	413.44
8	36.905050	-88.675320	420.09	7.50	427.59
9	36.899695	-88.676536	420.74	7.50	428.24
10	36.894956	-88.677574	434.38	7.50	441.88
11	36.890347	-88.678619	426.95	7.50	434.45
12	36.886398	-88.679514	445.47	7.50	452.97
13	36.884065	-88.680002	454.14	7.50	461.64
14	36.882837	-88.680179	455.83	7.50	463.33
15	36.881019	-88.680281	462.59	7.50	470.09
16	36.879372	-88.680233	466.44	7.50	473.94
17	36.877607	-88.679987	473.31	7.50	480.81
18	36.876286	-88.679736	470.46	7.50	477.96
19	36.873602	-88.678857	449.73	7.50	457.23
20	36.870769	-88.677473	428.52	7.50	436.02
21	36.863806	-88.673131	453.57	7.50	461.07
22	36.857980	-88.669467	483.07	7.50	490.57
23	36.855739	-88.668175	477.02	7.50	484.52
24	36.855052	-88.667660	477.31	7.50	484.81
25	36.851325	-88.665329	465.24	7.50	472.74
26	36.847719	-88.663409	438.79	7.50	446.29

Name: Whittemore Road
Path type: Two-way
Azimuthal view angle: 50.0°
Downward view angle: 0.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	36.855436	-88.656226	426.76	7.50	434.26
2	36.858578	-88.656135	436.01	7.50	443.51
3	36.859113	-88.656066	441.30	7.50	448.80
4	36.860920	-88.655245	439.42	7.50	446.92
5	36.862187	-88.654604	433.73	7.50	441.23
6	36.862513	-88.654620	431.59	7.50	439.09
7	36.862762	-88.654685	435.45	7.50	442.95
8	36.863620	-88.655430	433.57	7.50	441.07
9	36.867191	-88.655382	416.34	7.50	423.84
10	36.870534	-88.655318	412.18	7.50	419.68
11	36.871051	-88.655312	412.53	7.50	420.03
12	36.871712	-88.655554	417.98	7.50	425.48
13	36.872184	-88.655881	415.04	7.50	422.54
14	36.872829	-88.656417	411.87	7.50	419.37
15	36.873374	-88.656562	413.21	7.50	420.71
16	36.876118	-88.656503	415.97	7.50	423.47
17	36.876899	-88.656492	413.43	7.50	420.93
18	36.877448	-88.656256	409.88	7.50	417.38
19	36.877869	-88.655916	409.27	7.50	416.77
20	36.878401	-88.655729	407.54	7.50	415.04
21	36.879517	-88.655707	405.32	7.50	412.82
22	36.884266	-88.655796	399.35	7.50	406.85

Discrete Observation Point Receptors

Name	ID	Latitude (°)	Longitude (°)	Elevation (ft)	Height (ft)
OP 1	1	36.927372	-88.685179	393.58	16.00
OP 2	2	36.926739	-88.685943	399.10	16.00
OP 3	3	36.916435	-88.672578	394.75	16.00
OP 4	4	36.911131	-88.672884	404.90	16.00
OP 5	5	36.906413	-88.672293	417.38	16.00
OP 6	6	36.917118	-88.681845	415.91	16.00
OP 7	7	36.916006	-88.681375	418.10	16.00
OP 8	8	36.910968	-88.682050	421.12	16.00
OP 9	9	36.910084	-88.682087	418.95	16.00
OP 10	10	36.909556	-88.682109	423.43	16.00
OP 11	11	36.908161	-88.682334	418.67	16.00
OP 12	12	36.907013	-88.682396	422.39	16.00
OP 13	13	36.906376	-88.682371	417.63	16.00
OP 14	14	36.905790	-88.682312	421.61	16.00
OP 15	15	36.904240	-88.682287	416.20	16.00
OP 16	16	36.903369	-88.682343	423.91	16.00
OP 17	17	36.902382	-88.682429	422.70	16.00
OP 18	18	36.901979	-88.682456	422.61	16.00
OP 19	19	36.900484	-88.681782	434.72	16.00
OP 20	20	36.890374	-88.655233	402.86	16.00
OP 21	21	36.884949	-88.652131	400.33	16.00
OP 22	22	36.872991	-88.661660	430.21	16.00
OP 23	23	36.872249	-88.656924	417.27	16.00
OP 24	24	36.871695	-88.656002	416.64	16.00
OP 25	25	36.870717	-88.657611	421.90	16.00
OP 26	26	36.862104	-88.654141	437.44	16.00
OP 27	27	36.859076	-88.656834	443.80	16.00
OP 28	28	36.857582	-88.656731	440.57	16.00
OP 29	29	36.857064	-88.655706	436.77	16.00
OP 30	30	36.861385	-88.659467	436.00	16.00
OP 31	31	36.864490	-88.659475	435.41	16.00
OP 32	32	36.862520	-88.661016	436.47	16.00
OP 33	33	36.863970	-88.665393	444.32	16.00
OP 34	34	36.864429	-88.665501	437.27	16.00
OP 35	35	36.865028	-88.665396	437.50	16.00
OP 36	36	36.865599	-88.665495	438.32	16.00
OP 37	37	36.866878	-88.665707	441.59	16.00
OP 38	38	36.867386	-88.665520	441.91	16.00
OP 39	39	36.867788	-88.665493	445.00	16.00
OP 40	40	36.867715	-88.664665	438.57	16.00
OP 41	41	36.868215	-88.664649	438.57	16.00
OP 42	42	36.868938	-88.664807	435.02	16.00
OP 43	43	36.872302	-88.666698	412.57	16.00
OP 44	44	36.872300	-88.668807	412.09	16.00
OP 45	45	36.883204	-88.664386	415.27	16.00
OP 46	46	36.884998	-88.665080	428.07	16.00
OP 47	47	36.884598	-88.665144	429.78	16.00
OP 48	48	36.884099	-88.665068	427.73	16.00
OP 49	49	36.884029	-88.666151	426.47	16.00
OP 50	50	36.884110	-88.667648	435.11	16.00
OP 51	51	36.884179	-88.669668	429.66	16.00

Name	ID	Latitude (°)	Longitude (°)	Elevation (ft)	Height (ft)
OP 52	52	36.894716	-88.682896	445.86	16.00
OP 53	53	36.893716	-88.681062	446.50	16.00
OP 54	54	36.892513	-88.681936	448.78	16.00
OP 55	55	36.892071	-88.681641	447.47	16.00

Obstruction Components

Name: Treeline 1
Top height: 20.0 ft



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)
1	36.911826	-88.682558	408.69
2	36.913559	-88.682569	400.48
3	36.914605	-88.678277	394.82
4	36.914991	-88.676475	394.30
5	36.916338	-88.674769	390.97

Name: Treeline 2
Top height: 20.0 ft



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)
1	36.884105	-88.661701	413.93
2	36.886482	-88.661674	414.76

Glare Analysis Results

Summary of Results No glare predicted

PV Array	Tilt	Orient	Annual Green Glare		Annual Yellow Glare		Energy
	°	°	min	hr	min	hr	kWh
PV array 16	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 17	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 18	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 19	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 20	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 21	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 22	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 23	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 24	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 25	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 26	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 27	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 28	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 29	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 30	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 31	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 32	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 33	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 34	SA tracking	SA tracking	0	0.0	0	0.0	-
PV array 35	SA tracking	SA tracking	0	0.0	0	0.0	-

Total glare received by each receptor; may include duplicate times of glare from multiple reflective surfaces.

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV: PV array 16 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 16 and Route: E Baldree Road

No glare found

PV array 16 and Route: E Pittman Road

No glare found

PV array 16 and Route: KY-1241-1

No glare found

PV array 16 and Route: KY-1241-2

No glare found

PV array 16 and Route: KY-849

No glare found

PV array 16 and Route: Olden Road

No glare found

PV array 16 and Route: Old Plant Road

No glare found

PV array 16 and Route: US-45

No glare found

PV array 16 and Route: Whittemore Road

No glare found

PV array 16 and OP 1

No glare found

PV array 16 and OP 2

No glare found

PV array 16 and OP 3

No glare found

PV array 16 and OP 4

No glare found

PV array 16 and OP 5

No glare found

PV array 16 and OP 6

No glare found

PV array 16 and OP 7

No glare found

PV array 16 and OP 8

No glare found

PV array 16 and OP 9

No glare found

PV array 16 and OP 10

No glare found

PV array 16 and OP 11

No glare found

PV array 16 and OP 12

No glare found

PV array 16 and OP 13

No glare found

PV array 16 and OP 14

No glare found

PV array 16 and OP 15

No glare found

PV array 16 and OP 16

No glare found

PV array 16 and OP 17

No glare found

PV array 16 and OP 18

No glare found

PV array 16 and OP 19

No glare found

PV array 16 and OP 20

No glare found

PV array 16 and OP 21

No glare found

PV array 16 and OP 22

No glare found

PV array 16 and OP 23

No glare found

PV array 16 and OP 24

No glare found

PV array 16 and OP 25

No glare found

PV array 16 and OP 26

No glare found

PV array 16 and OP 27

No glare found

PV array 16 and OP 28

No glare found

PV array 16 and OP 29

No glare found

PV array 16 and OP 30

No glare found

PV array 16 and OP 31

No glare found

PV array 16 and OP 32

No glare found

PV array 16 and OP 33

No glare found

PV array 16 and OP 34

No glare found

PV array 16 and OP 35

No glare found

PV array 16 and OP 36

No glare found

PV array 16 and OP 37

No glare found

PV array 16 and OP 38

No glare found

PV array 16 and OP 39

No glare found

PV array 16 and OP 40

No glare found

PV array 16 and OP 41

No glare found

PV array 16 and OP 42

No glare found

PV array 16 and OP 43

No glare found

PV array 16 and OP 44

No glare found

PV array 16 and OP 45

No glare found

PV array 16 and OP 46

No glare found

PV array 16 and OP 47

No glare found

PV array 16 and OP 48

No glare found

PV array 16 and OP 49

No glare found

PV array 16 and OP 50

No glare found

PV array 16 and OP 51

No glare found

PV array 16 and OP 52

No glare found

PV array 16 and OP 53

No glare found

PV array 16 and OP 54

No glare found

PV array 16 and OP 55

No glare found

PV: PV array 17 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 17 and Route: E Baldree Road

No glare found

PV array 17 and Route: E Pittman Road

No glare found

PV array 17 and Route: KY-1241-1

No glare found

PV array 17 and Route: KY-1241-2

No glare found

PV array 17 and Route: KY-849

No glare found

PV array 17 and Route: Olden Road

No glare found

PV array 17 and Route: Old Plant Road

No glare found

PV array 17 and Route: US-45

No glare found

PV array 17 and Route: Whittemore Road

No glare found

PV array 17 and OP 1

No glare found

PV array 17 and OP 2

No glare found

PV array 17 and OP 3

No glare found

PV array 17 and OP 4

No glare found

PV array 17 and OP 5

No glare found

PV array 17 and OP 6

No glare found

PV array 17 and OP 7

No glare found

PV array 17 and OP 8

No glare found

PV array 17 and OP 9

No glare found

PV array 17 and OP 10

No glare found

PV array 17 and OP 11

No glare found

PV array 17 and OP 12

No glare found

PV array 17 and OP 13

No glare found

PV array 17 and OP 14

No glare found

PV array 17 and OP 15

No glare found

PV array 17 and OP 16

No glare found

PV array 17 and OP 17

No glare found

PV array 17 and OP 18

No glare found

PV array 17 and OP 19

No glare found

PV array 17 and OP 20

No glare found

PV array 17 and OP 21

No glare found

PV array 17 and OP 22

No glare found

PV array 17 and OP 23

No glare found

PV array 17 and OP 24

No glare found

PV array 17 and OP 25

No glare found

PV array 17 and OP 26

No glare found

PV array 17 and OP 27

No glare found

PV array 17 and OP 28

No glare found

PV array 17 and OP 29

No glare found

PV array 17 and OP 30

No glare found

PV array 17 and OP 31

No glare found

PV array 17 and OP 32

No glare found

PV array 17 and OP 33

No glare found

PV array 17 and OP 34

No glare found

PV array 17 and OP 35

No glare found

PV array 17 and OP 36

No glare found

PV array 17 and OP 37

No glare found

PV array 17 and OP 38

No glare found

PV array 17 and OP 39

No glare found

PV array 17 and OP 40

No glare found

PV array 17 and OP 41

No glare found

PV array 17 and OP 42

No glare found

PV array 17 and OP 43

No glare found

PV array 17 and OP 44

No glare found

PV array 17 and OP 45

No glare found

PV array 17 and OP 46

No glare found

PV array 17 and OP 47

No glare found

PV array 17 and OP 48

No glare found

PV array 17 and OP 49

No glare found

PV array 17 and OP 50

No glare found

PV array 17 and OP 51

No glare found

PV array 17 and OP 52

No glare found

PV array 17 and OP 53

No glare found

PV array 17 and OP 54

No glare found

PV array 17 and OP 55

No glare found

PV: PV array 18 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 18 and Route: E Baldree Road

No glare found

PV array 18 and Route: E Pittman Road

No glare found

PV array 18 and Route: KY-1241-1

No glare found

PV array 18 and Route: KY-1241-2

No glare found

PV array 18 and Route: KY-849

No glare found

PV array 18 and Route: Olden Road

No glare found

PV array 18 and Route: Old Plant Road

No glare found

PV array 18 and Route: US-45

No glare found

PV array 18 and Route: Whittemore Road

No glare found

PV array 18 and OP 1

No glare found

PV array 18 and OP 2

No glare found

PV array 18 and OP 3

No glare found

PV array 18 and OP 4

No glare found

PV array 18 and OP 5

No glare found

PV array 18 and OP 6

No glare found

PV array 18 and OP 7

No glare found

PV array 18 and OP 8

No glare found

PV array 18 and OP 9

No glare found

PV array 18 and OP 10

No glare found

PV array 18 and OP 11

No glare found

PV array 18 and OP 12

No glare found

PV array 18 and OP 13

No glare found

PV array 18 and OP 14

No glare found

PV array 18 and OP 15

No glare found

PV array 18 and OP 16

No glare found

PV array 18 and OP 17

No glare found

PV array 18 and OP 18

No glare found

PV array 18 and OP 19

No glare found

PV array 18 and OP 20

No glare found

PV array 18 and OP 21

No glare found

PV array 18 and OP 22

No glare found

PV array 18 and OP 23

No glare found

PV array 18 and OP 24

No glare found

PV array 18 and OP 25

No glare found

PV array 18 and OP 26

No glare found

PV array 18 and OP 27

No glare found

PV array 18 and OP 28

No glare found

PV array 18 and OP 29

No glare found

PV array 18 and OP 30

No glare found

PV array 18 and OP 31

No glare found

PV array 18 and OP 32

No glare found

PV array 18 and OP 33

No glare found

PV array 18 and OP 34

No glare found

PV array 18 and OP 35

No glare found

PV array 18 and OP 36

No glare found

PV array 18 and OP 37

No glare found

PV array 18 and OP 38

No glare found

PV array 18 and OP 39

No glare found

PV array 18 and OP 40

No glare found

PV array 18 and OP 41

No glare found

PV array 18 and OP 42

No glare found

PV array 18 and OP 43

No glare found

PV array 18 and OP 44

No glare found

PV array 18 and OP 45

No glare found

PV array 18 and OP 46

No glare found

PV array 18 and OP 47

No glare found

PV array 18 and OP 48

No glare found

PV array 18 and OP 49

No glare found

PV array 18 and OP 50

No glare found

PV array 18 and OP 51

No glare found

PV array 18 and OP 52

No glare found

PV array 18 and OP 53

No glare found

PV array 18 and OP 54

No glare found

PV array 18 and OP 55

No glare found

PV: PV array 19 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 19 and Route: E Baldree Road

No glare found

PV array 19 and Route: E Pittman Road

No glare found

PV array 19 and Route: KY-1241-1

No glare found

PV array 19 and Route: KY-1241-2

No glare found

PV array 19 and Route: KY-849

No glare found

PV array 19 and Route: Olden Road

No glare found

PV array 19 and Route: Old Plant Road

No glare found

PV array 19 and Route: US-45

No glare found

PV array 19 and Route: Whittemore Road

No glare found

PV array 19 and OP 1

No glare found

PV array 19 and OP 2

No glare found

PV array 19 and OP 3

No glare found

PV array 19 and OP 4

No glare found

PV array 19 and OP 5

No glare found

PV array 19 and OP 6

No glare found

PV array 19 and OP 7

No glare found

PV array 19 and OP 8

No glare found

PV array 19 and OP 9

No glare found

PV array 19 and OP 10

No glare found

PV array 19 and OP 11

No glare found

PV array 19 and OP 12

No glare found

PV array 19 and OP 13

No glare found

PV array 19 and OP 14

No glare found

PV array 19 and OP 15

No glare found

PV array 19 and OP 16

No glare found

PV array 19 and OP 17

No glare found

PV array 19 and OP 18

No glare found

PV array 19 and OP 19

No glare found

PV array 19 and OP 20

No glare found

PV array 19 and OP 21

No glare found

PV array 19 and OP 22

No glare found

PV array 19 and OP 23

No glare found

PV array 19 and OP 24

No glare found

PV array 19 and OP 25

No glare found

PV array 19 and OP 26

No glare found

PV array 19 and OP 27

No glare found

PV array 19 and OP 28

No glare found

PV array 19 and OP 29

No glare found

PV array 19 and OP 30

No glare found

PV array 19 and OP 31

No glare found

PV array 19 and OP 32

No glare found

PV array 19 and OP 33

No glare found

PV array 19 and OP 34

No glare found

PV array 19 and OP 35

No glare found

PV array 19 and OP 36

No glare found

PV array 19 and OP 37

No glare found

PV array 19 and OP 38

No glare found

PV array 19 and OP 39

No glare found

PV array 19 and OP 40

No glare found

PV array 19 and OP 41

No glare found

PV array 19 and OP 42

No glare found

PV array 19 and OP 43

No glare found

PV array 19 and OP 44

No glare found

PV array 19 and OP 45

No glare found

PV array 19 and OP 46

No glare found

PV array 19 and OP 47

No glare found

PV array 19 and OP 48

No glare found

PV array 19 and OP 49

No glare found

PV array 19 and OP 50

No glare found

PV array 19 and OP 51

No glare found

PV array 19 and OP 52

No glare found

PV array 19 and OP 53

No glare found

PV array 19 and OP 54

No glare found

PV array 19 and OP 55

No glare found

PV: PV array 20 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 20 and Route: E Baldree Road

No glare found

PV array 20 and Route: E Pittman Road

No glare found

PV array 20 and Route: KY-1241-1

No glare found

PV array 20 and Route: KY-1241-2

No glare found

PV array 20 and Route: KY-849

No glare found

PV array 20 and Route: Olden Road

No glare found

PV array 20 and Route: Old Plant Road

No glare found

PV array 20 and Route: US-45

No glare found

PV array 20 and Route: Whittemore Road

No glare found

PV array 20 and OP 1

No glare found

PV array 20 and OP 2

No glare found

PV array 20 and OP 3

No glare found

PV array 20 and OP 4

No glare found

PV array 20 and OP 5

No glare found

PV array 20 and OP 6

No glare found

PV array 20 and OP 7

No glare found

PV array 20 and OP 8

No glare found

PV array 20 and OP 9

No glare found

PV array 20 and OP 10

No glare found

PV array 20 and OP 11

No glare found

PV array 20 and OP 12

No glare found

PV array 20 and OP 13

No glare found

PV array 20 and OP 14

No glare found

PV array 20 and OP 15

No glare found

PV array 20 and OP 16

No glare found

PV array 20 and OP 17

No glare found

PV array 20 and OP 18

No glare found

PV array 20 and OP 19

No glare found

PV array 20 and OP 20

No glare found

PV array 20 and OP 21

No glare found

PV array 20 and OP 22

No glare found

PV array 20 and OP 23

No glare found

PV array 20 and OP 24

No glare found

PV array 20 and OP 25

No glare found

PV array 20 and OP 26

No glare found

PV array 20 and OP 27

No glare found

PV array 20 and OP 28

No glare found

PV array 20 and OP 29

No glare found

PV array 20 and OP 30

No glare found

PV array 20 and OP 31

No glare found

PV array 20 and OP 32

No glare found

PV array 20 and OP 33

No glare found

PV array 20 and OP 34

No glare found

PV array 20 and OP 35

No glare found

PV array 20 and OP 36

No glare found

PV array 20 and OP 37

No glare found

PV array 20 and OP 38

No glare found

PV array 20 and OP 39

No glare found

PV array 20 and OP 40

No glare found

PV array 20 and OP 41

No glare found

PV array 20 and OP 42

No glare found

PV array 20 and OP 43

No glare found

PV array 20 and OP 44

No glare found

PV array 20 and OP 45

No glare found

PV array 20 and OP 46

No glare found

PV array 20 and OP 47

No glare found

PV array 20 and OP 48

No glare found

PV array 20 and OP 49

No glare found

PV array 20 and OP 50

No glare found

PV array 20 and OP 51

No glare found

PV array 20 and OP 52

No glare found

PV array 20 and OP 53

No glare found

PV array 20 and OP 54

No glare found

PV array 20 and OP 55

No glare found

PV: PV array 21 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 21 and Route: E Baldree Road

No glare found

PV array 21 and Route: E Pittman Road

No glare found

PV array 21 and Route: KY-1241-1

No glare found

PV array 21 and Route: KY-1241-2

No glare found

PV array 21 and Route: KY-849

No glare found

PV array 21 and Route: Olden Road

No glare found

PV array 21 and Route: Old Plant Road

No glare found

PV array 21 and Route: US-45

No glare found

PV array 21 and Route: Whittemore Road

No glare found

PV array 21 and OP 1

No glare found

PV array 21 and OP 2

No glare found

PV array 21 and OP 3

No glare found

PV array 21 and OP 4

No glare found

PV array 21 and OP 5

No glare found

PV array 21 and OP 6

No glare found

PV array 21 and OP 7

No glare found

PV array 21 and OP 8

No glare found

PV array 21 and OP 9

No glare found

PV array 21 and OP 10

No glare found

PV array 21 and OP 11

No glare found

PV array 21 and OP 12

No glare found

PV array 21 and OP 13

No glare found

PV array 21 and OP 14

No glare found

PV array 21 and OP 15

No glare found

PV array 21 and OP 16

No glare found

PV array 21 and OP 17

No glare found

PV array 21 and OP 18

No glare found

PV array 21 and OP 19

No glare found

PV array 21 and OP 20

No glare found

PV array 21 and OP 21

No glare found

PV array 21 and OP 22

No glare found

PV array 21 and OP 23

No glare found

PV array 21 and OP 24

No glare found

PV array 21 and OP 25

No glare found

PV array 21 and OP 26

No glare found

PV array 21 and OP 27

No glare found

PV array 21 and OP 28

No glare found

PV array 21 and OP 29

No glare found

PV array 21 and OP 30

No glare found

PV array 21 and OP 31

No glare found

PV array 21 and OP 32

No glare found

PV array 21 and OP 33

No glare found

PV array 21 and OP 34

No glare found

PV array 21 and OP 35

No glare found

PV array 21 and OP 36

No glare found

PV array 21 and OP 37

No glare found

PV array 21 and OP 38

No glare found

PV array 21 and OP 39

No glare found

PV array 21 and OP 40

No glare found

PV array 21 and OP 41

No glare found

PV array 21 and OP 42

No glare found

PV array 21 and OP 43

No glare found

PV array 21 and OP 44

No glare found

PV array 21 and OP 45

No glare found

PV array 21 and OP 46

No glare found

PV array 21 and OP 47

No glare found

PV array 21 and OP 48

No glare found

PV array 21 and OP 49

No glare found

PV array 21 and OP 50

No glare found

PV array 21 and OP 51

No glare found

PV array 21 and OP 52

No glare found

PV array 21 and OP 53

No glare found

PV array 21 and OP 54

No glare found

PV array 21 and OP 55

No glare found

PV: PV array 22 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 22 and Route: E Baldree Road

No glare found

PV array 22 and Route: E Pittman Road

No glare found

PV array 22 and Route: KY-1241-1

No glare found

PV array 22 and Route: KY-1241-2

No glare found

PV array 22 and Route: KY-849

No glare found

PV array 22 and Route: Olden Road

No glare found

PV array 22 and Route: Old Plant Road

No glare found

PV array 22 and Route: US-45

No glare found

PV array 22 and Route: Whittemore Road

No glare found

PV array 22 and OP 1

No glare found

PV array 22 and OP 2

No glare found

PV array 22 and OP 3

No glare found

PV array 22 and OP 4

No glare found

PV array 22 and OP 5

No glare found

PV array 22 and OP 6

No glare found

PV array 22 and OP 7

No glare found

PV array 22 and OP 8

No glare found

PV array 22 and OP 9

No glare found

PV array 22 and OP 10

No glare found

PV array 22 and OP 11

No glare found

PV array 22 and OP 12

No glare found

PV array 22 and OP 13

No glare found

PV array 22 and OP 14

No glare found

PV array 22 and OP 15

No glare found

PV array 22 and OP 16

No glare found

PV array 22 and OP 17

No glare found

PV array 22 and OP 18

No glare found

PV array 22 and OP 19

No glare found

PV array 22 and OP 20

No glare found

PV array 22 and OP 21

No glare found

PV array 22 and OP 22

No glare found

PV array 22 and OP 23

No glare found

PV array 22 and OP 24

No glare found

PV array 22 and OP 25

No glare found

PV array 22 and OP 26

No glare found

PV array 22 and OP 27

No glare found

PV array 22 and OP 28

No glare found

PV array 22 and OP 29

No glare found

PV array 22 and OP 30

No glare found

PV array 22 and OP 31

No glare found

PV array 22 and OP 32

No glare found

PV array 22 and OP 33

No glare found

PV array 22 and OP 34

No glare found

PV array 22 and OP 35

No glare found

PV array 22 and OP 36

No glare found

PV array 22 and OP 37

No glare found

PV array 22 and OP 38

No glare found

PV array 22 and OP 39

No glare found

PV array 22 and OP 40

No glare found

PV array 22 and OP 41

No glare found

PV array 22 and OP 42

No glare found

PV array 22 and OP 43

No glare found

PV array 22 and OP 44

No glare found

PV array 22 and OP 45

No glare found

PV array 22 and OP 46

No glare found

PV array 22 and OP 47

No glare found

PV array 22 and OP 48

No glare found

PV array 22 and OP 49

No glare found

PV array 22 and OP 50

No glare found

PV array 22 and OP 51

No glare found

PV array 22 and OP 52

No glare found

PV array 22 and OP 53

No glare found

PV array 22 and OP 54

No glare found

PV array 22 and OP 55

No glare found

PV: PV array 23 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 23 and Route: E Baldree Road

No glare found

PV array 23 and Route: E Pittman Road

No glare found

PV array 23 and Route: KY-1241-1

No glare found

PV array 23 and Route: KY-1241-2

No glare found

PV array 23 and Route: KY-849

No glare found

PV array 23 and Route: Olden Road

No glare found

PV array 23 and Route: Old Plant Road

No glare found

PV array 23 and Route: US-45

No glare found

PV array 23 and Route: Whittemore Road

No glare found

PV array 23 and OP 1

No glare found

PV array 23 and OP 2

No glare found

PV array 23 and OP 3

No glare found

PV array 23 and OP 4

No glare found

PV array 23 and OP 5

No glare found

PV array 23 and OP 6

No glare found

PV array 23 and OP 7

No glare found

PV array 23 and OP 8

No glare found

PV array 23 and OP 9

No glare found

PV array 23 and OP 10

No glare found

PV array 23 and OP 11

No glare found

PV array 23 and OP 12

No glare found

PV array 23 and OP 13

No glare found

PV array 23 and OP 14

No glare found

PV array 23 and OP 15

No glare found

PV array 23 and OP 16

No glare found

PV array 23 and OP 17

No glare found

PV array 23 and OP 18

No glare found

PV array 23 and OP 19

No glare found

PV array 23 and OP 20

No glare found

PV array 23 and OP 21

No glare found

PV array 23 and OP 22

No glare found

PV array 23 and OP 23

No glare found

PV array 23 and OP 24

No glare found

PV array 23 and OP 25

No glare found

PV array 23 and OP 26

No glare found

PV array 23 and OP 27

No glare found

PV array 23 and OP 28

No glare found

PV array 23 and OP 29

No glare found

PV array 23 and OP 30

No glare found

PV array 23 and OP 31

No glare found

PV array 23 and OP 32

No glare found

PV array 23 and OP 33

No glare found

PV array 23 and OP 34

No glare found

PV array 23 and OP 35

No glare found

PV array 23 and OP 36

No glare found

PV array 23 and OP 37

No glare found

PV array 23 and OP 38

No glare found

PV array 23 and OP 39

No glare found

PV array 23 and OP 40

No glare found

PV array 23 and OP 41

No glare found

PV array 23 and OP 42

No glare found

PV array 23 and OP 43

No glare found

PV array 23 and OP 44

No glare found

PV array 23 and OP 45

No glare found

PV array 23 and OP 46

No glare found

PV array 23 and OP 47

No glare found

PV array 23 and OP 48

No glare found

PV array 23 and OP 49

No glare found

PV array 23 and OP 50

No glare found

PV array 23 and OP 51

No glare found

PV array 23 and OP 52

No glare found

PV array 23 and OP 53

No glare found

PV array 23 and OP 54

No glare found

PV array 23 and OP 55

No glare found

PV: PV array 24 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 24 and Route: E Baldree Road

No glare found

PV array 24 and Route: E Pittman Road

No glare found

PV array 24 and Route: KY-1241-1

No glare found

PV array 24 and Route: KY-1241-2

No glare found

PV array 24 and Route: KY-849

No glare found

PV array 24 and Route: Olden Road

No glare found

PV array 24 and Route: Old Plant Road

No glare found

PV array 24 and Route: US-45

No glare found

PV array 24 and Route: Whittemore Road

No glare found

PV array 24 and OP 1

No glare found

PV array 24 and OP 2

No glare found

PV array 24 and OP 3

No glare found

PV array 24 and OP 4

No glare found

PV array 24 and OP 5

No glare found

PV array 24 and OP 6

No glare found

PV array 24 and OP 7

No glare found

PV array 24 and OP 8

No glare found

PV array 24 and OP 9

No glare found

PV array 24 and OP 10

No glare found

PV array 24 and OP 11

No glare found

PV array 24 and OP 12

No glare found

PV array 24 and OP 13

No glare found

PV array 24 and OP 14

No glare found

PV array 24 and OP 15

No glare found

PV array 24 and OP 16

No glare found

PV array 24 and OP 17

No glare found

PV array 24 and OP 18

No glare found

PV array 24 and OP 19

No glare found

PV array 24 and OP 20

No glare found

PV array 24 and OP 21

No glare found

PV array 24 and OP 22

No glare found

PV array 24 and OP 23

No glare found

PV array 24 and OP 24

No glare found

PV array 24 and OP 25

No glare found

PV array 24 and OP 26

No glare found

PV array 24 and OP 27

No glare found

PV array 24 and OP 28

No glare found

PV array 24 and OP 29

No glare found

PV array 24 and OP 30

No glare found

PV array 24 and OP 31

No glare found

PV array 24 and OP 32

No glare found

PV array 24 and OP 33

No glare found

PV array 24 and OP 34

No glare found

PV array 24 and OP 35

No glare found

PV array 24 and OP 36

No glare found

PV array 24 and OP 37

No glare found

PV array 24 and OP 38

No glare found

PV array 24 and OP 39

No glare found

PV array 24 and OP 40

No glare found

PV array 24 and OP 41

No glare found

PV array 24 and OP 42

No glare found

PV array 24 and OP 43

No glare found

PV array 24 and OP 44

No glare found

PV array 24 and OP 45

No glare found

PV array 24 and OP 46

No glare found

PV array 24 and OP 47

No glare found

PV array 24 and OP 48

No glare found

PV array 24 and OP 49

No glare found

PV array 24 and OP 50

No glare found

PV array 24 and OP 51

No glare found

PV array 24 and OP 52

No glare found

PV array 24 and OP 53

No glare found

PV array 24 and OP 54

No glare found

PV array 24 and OP 55

No glare found

PV: PV array 25 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 25 and Route: E Baldree Road

No glare found

PV array 25 and Route: E Pittman Road

No glare found

PV array 25 and Route: KY-1241-1

No glare found

PV array 25 and Route: KY-1241-2

No glare found

PV array 25 and Route: KY-849

No glare found

PV array 25 and Route: Olden Road

No glare found

PV array 25 and Route: Old Plant Road

No glare found

PV array 25 and Route: US-45

No glare found

PV array 25 and Route: Whittemore Road

No glare found

PV array 25 and OP 1

No glare found

PV array 25 and OP 2

No glare found

PV array 25 and OP 3

No glare found

PV array 25 and OP 4

No glare found

PV array 25 and OP 5

No glare found

PV array 25 and OP 6

No glare found

PV array 25 and OP 7

No glare found

PV array 25 and OP 8

No glare found

PV array 25 and OP 9

No glare found

PV array 25 and OP 10

No glare found

PV array 25 and OP 11

No glare found

PV array 25 and OP 12

No glare found

PV array 25 and OP 13

No glare found

PV array 25 and OP 14

No glare found

PV array 25 and OP 15

No glare found

PV array 25 and OP 16

No glare found

PV array 25 and OP 17

No glare found

PV array 25 and OP 18

No glare found

PV array 25 and OP 19

No glare found

PV array 25 and OP 20

No glare found

PV array 25 and OP 21

No glare found

PV array 25 and OP 22

No glare found

PV array 25 and OP 23

No glare found

PV array 25 and OP 24

No glare found

PV array 25 and OP 25

No glare found

PV array 25 and OP 26

No glare found

PV array 25 and OP 27

No glare found

PV array 25 and OP 28

No glare found

PV array 25 and OP 29

No glare found

PV array 25 and OP 30

No glare found

PV array 25 and OP 31

No glare found

PV array 25 and OP 32

No glare found

PV array 25 and OP 33

No glare found

PV array 25 and OP 34

No glare found

PV array 25 and OP 35

No glare found

PV array 25 and OP 36

No glare found

PV array 25 and OP 37

No glare found

PV array 25 and OP 38

No glare found

PV array 25 and OP 39

No glare found

PV array 25 and OP 40

No glare found

PV array 25 and OP 41

No glare found

PV array 25 and OP 42

No glare found

PV array 25 and OP 43

No glare found

PV array 25 and OP 44

No glare found

PV array 25 and OP 45

No glare found

PV array 25 and OP 46

No glare found

PV array 25 and OP 47

No glare found

PV array 25 and OP 48

No glare found

PV array 25 and OP 49

No glare found

PV array 25 and OP 50

No glare found

PV array 25 and OP 51

No glare found

PV array 25 and OP 52

No glare found

PV array 25 and OP 53

No glare found

PV array 25 and OP 54

No glare found

PV array 25 and OP 55

No glare found

PV: PV array 26 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 26 and Route: E Baldree Road

No glare found

PV array 26 and Route: E Pittman Road

No glare found

PV array 26 and Route: KY-1241-1

No glare found

PV array 26 and Route: KY-1241-2

No glare found

PV array 26 and Route: KY-849

No glare found

PV array 26 and Route: Olden Road

No glare found

PV array 26 and Route: Old Plant Road

No glare found

PV array 26 and Route: US-45

No glare found

PV array 26 and Route: Whittemore Road

No glare found

PV array 26 and OP 1

No glare found

PV array 26 and OP 2

No glare found

PV array 26 and OP 3

No glare found

PV array 26 and OP 4

No glare found

PV array 26 and OP 5

No glare found

PV array 26 and OP 6

No glare found

PV array 26 and OP 7

No glare found

PV array 26 and OP 8

No glare found

PV array 26 and OP 9

No glare found

PV array 26 and OP 10

No glare found

PV array 26 and OP 11

No glare found

PV array 26 and OP 12

No glare found

PV array 26 and OP 13

No glare found

PV array 26 and OP 14

No glare found

PV array 26 and OP 15

No glare found

PV array 26 and OP 16

No glare found

PV array 26 and OP 17

No glare found

PV array 26 and OP 18

No glare found

PV array 26 and OP 19

No glare found

PV array 26 and OP 20

No glare found

PV array 26 and OP 21

No glare found

PV array 26 and OP 22

No glare found

PV array 26 and OP 23

No glare found

PV array 26 and OP 24

No glare found

PV array 26 and OP 25

No glare found

PV array 26 and OP 26

No glare found

PV array 26 and OP 27

No glare found

PV array 26 and OP 28

No glare found

PV array 26 and OP 29

No glare found

PV array 26 and OP 30

No glare found

PV array 26 and OP 31

No glare found

PV array 26 and OP 32

No glare found

PV array 26 and OP 33

No glare found

PV array 26 and OP 34

No glare found

PV array 26 and OP 35

No glare found

PV array 26 and OP 36

No glare found

PV array 26 and OP 37

No glare found

PV array 26 and OP 38

No glare found

PV array 26 and OP 39

No glare found

PV array 26 and OP 40

No glare found

PV array 26 and OP 41

No glare found

PV array 26 and OP 42

No glare found

PV array 26 and OP 43

No glare found

PV array 26 and OP 44

No glare found

PV array 26 and OP 45

No glare found

PV array 26 and OP 46

No glare found

PV array 26 and OP 47

No glare found

PV array 26 and OP 48

No glare found

PV array 26 and OP 49

No glare found

PV array 26 and OP 50

No glare found

PV array 26 and OP 51

No glare found

PV array 26 and OP 52

No glare found

PV array 26 and OP 53

No glare found

PV array 26 and OP 54

No glare found

PV array 26 and OP 55

No glare found

PV: PV array 27 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 27 and Route: E Baldree Road

No glare found

PV array 27 and Route: E Pittman Road

No glare found

PV array 27 and Route: KY-1241-1

No glare found

PV array 27 and Route: KY-1241-2

No glare found

PV array 27 and Route: KY-849

No glare found

PV array 27 and Route: Olden Road

No glare found

PV array 27 and Route: Old Plant Road

No glare found

PV array 27 and Route: US-45

No glare found

PV array 27 and Route: Whittemore Road

No glare found

PV array 27 and OP 1

No glare found

PV array 27 and OP 2

No glare found

PV array 27 and OP 3

No glare found

PV array 27 and OP 4

No glare found

PV array 27 and OP 5

No glare found

PV array 27 and OP 6

No glare found

PV array 27 and OP 7

No glare found

PV array 27 and OP 8

No glare found

PV array 27 and OP 9

No glare found

PV array 27 and OP 10

No glare found

PV array 27 and OP 11

No glare found

PV array 27 and OP 12

No glare found

PV array 27 and OP 13

No glare found

PV array 27 and OP 14

No glare found

PV array 27 and OP 15

No glare found

PV array 27 and OP 16

No glare found

PV array 27 and OP 17

No glare found

PV array 27 and OP 18

No glare found

PV array 27 and OP 19

No glare found

PV array 27 and OP 20

No glare found

PV array 27 and OP 21

No glare found

PV array 27 and OP 22

No glare found

PV array 27 and OP 23

No glare found

PV array 27 and OP 24

No glare found

PV array 27 and OP 25

No glare found

PV array 27 and OP 26

No glare found

PV array 27 and OP 27

No glare found

PV array 27 and OP 28

No glare found

PV array 27 and OP 29

No glare found

PV array 27 and OP 30

No glare found

PV array 27 and OP 31

No glare found

PV array 27 and OP 32

No glare found

PV array 27 and OP 33

No glare found

PV array 27 and OP 34

No glare found

PV array 27 and OP 35

No glare found

PV array 27 and OP 36

No glare found

PV array 27 and OP 37

No glare found

PV array 27 and OP 38

No glare found

PV array 27 and OP 39

No glare found

PV array 27 and OP 40

No glare found

PV array 27 and OP 41

No glare found

PV array 27 and OP 42

No glare found

PV array 27 and OP 43

No glare found

PV array 27 and OP 44

No glare found

PV array 27 and OP 45

No glare found

PV array 27 and OP 46

No glare found

PV array 27 and OP 47

No glare found

PV array 27 and OP 48

No glare found

PV array 27 and OP 49

No glare found

PV array 27 and OP 50

No glare found

PV array 27 and OP 51

No glare found

PV array 27 and OP 52

No glare found

PV array 27 and OP 53

No glare found

PV array 27 and OP 54

No glare found

PV array 27 and OP 55

No glare found

PV: PV array 28 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 28 and Route: E Baldree Road

No glare found

PV array 28 and Route: E Pittman Road

No glare found

PV array 28 and Route: KY-1241-1

No glare found

PV array 28 and Route: KY-1241-2

No glare found

PV array 28 and Route: KY-849

No glare found

PV array 28 and Route: Olden Road

No glare found

PV array 28 and Route: Old Plant Road

No glare found

PV array 28 and Route: US-45

No glare found

PV array 28 and Route: Whittemore Road

No glare found

PV array 28 and OP 1

No glare found

PV array 28 and OP 2

No glare found

PV array 28 and OP 3

No glare found

PV array 28 and OP 4

No glare found

PV array 28 and OP 5

No glare found

PV array 28 and OP 6

No glare found

PV array 28 and OP 7

No glare found

PV array 28 and OP 8

No glare found

PV array 28 and OP 9

No glare found

PV array 28 and OP 10

No glare found

PV array 28 and OP 11

No glare found

PV array 28 and OP 12

No glare found

PV array 28 and OP 13

No glare found

PV array 28 and OP 14

No glare found

PV array 28 and OP 15

No glare found

PV array 28 and OP 16

No glare found

PV array 28 and OP 17

No glare found

PV array 28 and OP 18

No glare found

PV array 28 and OP 19

No glare found

PV array 28 and OP 20

No glare found

PV array 28 and OP 21

No glare found

PV array 28 and OP 22

No glare found

PV array 28 and OP 23

No glare found

PV array 28 and OP 24

No glare found

PV array 28 and OP 25

No glare found

PV array 28 and OP 26

No glare found

PV array 28 and OP 27

No glare found

PV array 28 and OP 28

No glare found

PV array 28 and OP 29

No glare found

PV array 28 and OP 30

No glare found

PV array 28 and OP 31

No glare found

PV array 28 and OP 32

No glare found

PV array 28 and OP 33

No glare found

PV array 28 and OP 34

No glare found

PV array 28 and OP 35

No glare found

PV array 28 and OP 36

No glare found

PV array 28 and OP 37

No glare found

PV array 28 and OP 38

No glare found

PV array 28 and OP 39

No glare found

PV array 28 and OP 40

No glare found

PV array 28 and OP 41

No glare found

PV array 28 and OP 42

No glare found

PV array 28 and OP 43

No glare found

PV array 28 and OP 44

No glare found

PV array 28 and OP 45

No glare found

PV array 28 and OP 46

No glare found

PV array 28 and OP 47

No glare found

PV array 28 and OP 48

No glare found

PV array 28 and OP 49

No glare found

PV array 28 and OP 50

No glare found

PV array 28 and OP 51

No glare found

PV array 28 and OP 52

No glare found

PV array 28 and OP 53

No glare found

PV array 28 and OP 54

No glare found

PV array 28 and OP 55

No glare found

PV: PV array 29 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 29 and Route: E Baldree Road

No glare found

PV array 29 and Route: E Pittman Road

No glare found

PV array 29 and Route: KY-1241-1

No glare found

PV array 29 and Route: KY-1241-2

No glare found

PV array 29 and Route: KY-849

No glare found

PV array 29 and Route: Olden Road

No glare found

PV array 29 and Route: Old Plant Road

No glare found

PV array 29 and Route: US-45

No glare found

PV array 29 and Route: Whittemore Road

No glare found

PV array 29 and OP 1

No glare found

PV array 29 and OP 2

No glare found

PV array 29 and OP 3

No glare found

PV array 29 and OP 4

No glare found

PV array 29 and OP 5

No glare found

PV array 29 and OP 6

No glare found

PV array 29 and OP 7

No glare found

PV array 29 and OP 8

No glare found

PV array 29 and OP 9

No glare found

PV array 29 and OP 10

No glare found

PV array 29 and OP 11

No glare found

PV array 29 and OP 12

No glare found

PV array 29 and OP 13

No glare found

PV array 29 and OP 14

No glare found

PV array 29 and OP 15

No glare found

PV array 29 and OP 16

No glare found

PV array 29 and OP 17

No glare found

PV array 29 and OP 18

No glare found

PV array 29 and OP 19

No glare found

PV array 29 and OP 20

No glare found

PV array 29 and OP 21

No glare found

PV array 29 and OP 22

No glare found

PV array 29 and OP 23

No glare found

PV array 29 and OP 24

No glare found

PV array 29 and OP 25

No glare found

PV array 29 and OP 26

No glare found

PV array 29 and OP 27

No glare found

PV array 29 and OP 28

No glare found

PV array 29 and OP 29

No glare found

PV array 29 and OP 30

No glare found

PV array 29 and OP 31

No glare found

PV array 29 and OP 32

No glare found

PV array 29 and OP 33

No glare found

PV array 29 and OP 34

No glare found

PV array 29 and OP 35

No glare found

PV array 29 and OP 36

No glare found

PV array 29 and OP 37

No glare found

PV array 29 and OP 38

No glare found

PV array 29 and OP 39

No glare found

PV array 29 and OP 40

No glare found

PV array 29 and OP 41

No glare found

PV array 29 and OP 42

No glare found

PV array 29 and OP 43

No glare found

PV array 29 and OP 44

No glare found

PV array 29 and OP 45

No glare found

PV array 29 and OP 46

No glare found

PV array 29 and OP 47

No glare found

PV array 29 and OP 48

No glare found

PV array 29 and OP 49

No glare found

PV array 29 and OP 50

No glare found

PV array 29 and OP 51

No glare found

PV array 29 and OP 52

No glare found

PV array 29 and OP 53

No glare found

PV array 29 and OP 54

No glare found

PV array 29 and OP 55

No glare found

PV: PV array 30 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 30 and Route: E Baldree Road

No glare found

PV array 30 and Route: E Pittman Road

No glare found

PV array 30 and Route: KY-1241-1

No glare found

PV array 30 and Route: KY-1241-2

No glare found

PV array 30 and Route: KY-849

No glare found

PV array 30 and Route: Olden Road

No glare found

PV array 30 and Route: Old Plant Road

No glare found

PV array 30 and Route: US-45

No glare found

PV array 30 and Route: Whittemore Road

No glare found

PV array 30 and OP 1

No glare found

PV array 30 and OP 2

No glare found

PV array 30 and OP 3

No glare found

PV array 30 and OP 4

No glare found

PV array 30 and OP 5

No glare found

PV array 30 and OP 6

No glare found

PV array 30 and OP 7

No glare found

PV array 30 and OP 8

No glare found

PV array 30 and OP 9

No glare found

PV array 30 and OP 10

No glare found

PV array 30 and OP 11

No glare found

PV array 30 and OP 12

No glare found

PV array 30 and OP 13

No glare found

PV array 30 and OP 14

No glare found

PV array 30 and OP 15

No glare found

PV array 30 and OP 16

No glare found

PV array 30 and OP 17

No glare found

PV array 30 and OP 18

No glare found

PV array 30 and OP 19

No glare found

PV array 30 and OP 20

No glare found

PV array 30 and OP 21

No glare found

PV array 30 and OP 22

No glare found

PV array 30 and OP 23

No glare found

PV array 30 and OP 24

No glare found

PV array 30 and OP 25

No glare found

PV array 30 and OP 26

No glare found

PV array 30 and OP 27

No glare found

PV array 30 and OP 28

No glare found

PV array 30 and OP 29

No glare found

PV array 30 and OP 30

No glare found

PV array 30 and OP 31

No glare found

PV array 30 and OP 32

No glare found

PV array 30 and OP 33

No glare found

PV array 30 and OP 34

No glare found

PV array 30 and OP 35

No glare found

PV array 30 and OP 36

No glare found

PV array 30 and OP 37

No glare found

PV array 30 and OP 38

No glare found

PV array 30 and OP 39

No glare found

PV array 30 and OP 40

No glare found

PV array 30 and OP 41

No glare found

PV array 30 and OP 42

No glare found

PV array 30 and OP 43

No glare found

PV array 30 and OP 44

No glare found

PV array 30 and OP 45

No glare found

PV array 30 and OP 46

No glare found

PV array 30 and OP 47

No glare found

PV array 30 and OP 48

No glare found

PV array 30 and OP 49

No glare found

PV array 30 and OP 50

No glare found

PV array 30 and OP 51

No glare found

PV array 30 and OP 52

No glare found

PV array 30 and OP 53

No glare found

PV array 30 and OP 54

No glare found

PV array 30 and OP 55

No glare found

PV: PV array 31 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 31 and Route: E Baldree Road

No glare found

PV array 31 and Route: E Pittman Road

No glare found

PV array 31 and Route: KY-1241-1

No glare found

PV array 31 and Route: KY-1241-2

No glare found

PV array 31 and Route: KY-849

No glare found

PV array 31 and Route: Olden Road

No glare found

PV array 31 and Route: Old Plant Road

No glare found

PV array 31 and Route: US-45

No glare found

PV array 31 and Route: Whittemore Road

No glare found

PV array 31 and OP 1

No glare found

PV array 31 and OP 2

No glare found

PV array 31 and OP 3

No glare found

PV array 31 and OP 4

No glare found

PV array 31 and OP 5

No glare found

PV array 31 and OP 6

No glare found

PV array 31 and OP 7

No glare found

PV array 31 and OP 8

No glare found

PV array 31 and OP 9

No glare found

PV array 31 and OP 10

No glare found

PV array 31 and OP 11

No glare found

PV array 31 and OP 12

No glare found

PV array 31 and OP 13

No glare found

PV array 31 and OP 14

No glare found

PV array 31 and OP 15

No glare found

PV array 31 and OP 16

No glare found

PV array 31 and OP 17

No glare found

PV array 31 and OP 18

No glare found

PV array 31 and OP 19

No glare found

PV array 31 and OP 20

No glare found

PV array 31 and OP 21

No glare found

PV array 31 and OP 22

No glare found

PV array 31 and OP 23

No glare found

PV array 31 and OP 24

No glare found

PV array 31 and OP 25

No glare found

PV array 31 and OP 26

No glare found

PV array 31 and OP 27

No glare found

PV array 31 and OP 28

No glare found

PV array 31 and OP 29

No glare found

PV array 31 and OP 30

No glare found

PV array 31 and OP 31

No glare found

PV array 31 and OP 32

No glare found

PV array 31 and OP 33

No glare found

PV array 31 and OP 34

No glare found

PV array 31 and OP 35

No glare found

PV array 31 and OP 36

No glare found

PV array 31 and OP 37

No glare found

PV array 31 and OP 38

No glare found

PV array 31 and OP 39

No glare found

PV array 31 and OP 40

No glare found

PV array 31 and OP 41

No glare found

PV array 31 and OP 42

No glare found

PV array 31 and OP 43

No glare found

PV array 31 and OP 44

No glare found

PV array 31 and OP 45

No glare found

PV array 31 and OP 46

No glare found

PV array 31 and OP 47

No glare found

PV array 31 and OP 48

No glare found

PV array 31 and OP 49

No glare found

PV array 31 and OP 50

No glare found

PV array 31 and OP 51

No glare found

PV array 31 and OP 52

No glare found

PV array 31 and OP 53

No glare found

PV array 31 and OP 54

No glare found

PV array 31 and OP 55

No glare found

PV: PV array 32 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 32 and Route: E Baldree Road

No glare found

PV array 32 and Route: E Pittman Road

No glare found

PV array 32 and Route: KY-1241-1

No glare found

PV array 32 and Route: KY-1241-2

No glare found

PV array 32 and Route: KY-849

No glare found

PV array 32 and Route: Olden Road

No glare found

PV array 32 and Route: Old Plant Road

No glare found

PV array 32 and Route: US-45

No glare found

PV array 32 and Route: Whittemore Road

No glare found

PV array 32 and OP 1

No glare found

PV array 32 and OP 2

No glare found

PV array 32 and OP 3

No glare found

PV array 32 and OP 4

No glare found

PV array 32 and OP 5

No glare found

PV array 32 and OP 6

No glare found

PV array 32 and OP 7

No glare found

PV array 32 and OP 8

No glare found

PV array 32 and OP 9

No glare found

PV array 32 and OP 10

No glare found

PV array 32 and OP 11

No glare found

PV array 32 and OP 12

No glare found

PV array 32 and OP 13

No glare found

PV array 32 and OP 14

No glare found

PV array 32 and OP 15

No glare found

PV array 32 and OP 16

No glare found

PV array 32 and OP 17

No glare found

PV array 32 and OP 18

No glare found

PV array 32 and OP 19

No glare found

PV array 32 and OP 20

No glare found

PV array 32 and OP 21

No glare found

PV array 32 and OP 22

No glare found

PV array 32 and OP 23

No glare found

PV array 32 and OP 24

No glare found

PV array 32 and OP 25

No glare found

PV array 32 and OP 26

No glare found

PV array 32 and OP 27

No glare found

PV array 32 and OP 28

No glare found

PV array 32 and OP 29

No glare found

PV array 32 and OP 30

No glare found

PV array 32 and OP 31

No glare found

PV array 32 and OP 32

No glare found

PV array 32 and OP 33

No glare found

PV array 32 and OP 34

No glare found

PV array 32 and OP 35

No glare found

PV array 32 and OP 36

No glare found

PV array 32 and OP 37

No glare found

PV array 32 and OP 38

No glare found

PV array 32 and OP 39

No glare found

PV array 32 and OP 40

No glare found

PV array 32 and OP 41

No glare found

PV array 32 and OP 42

No glare found

PV array 32 and OP 43

No glare found

PV array 32 and OP 44

No glare found

PV array 32 and OP 45

No glare found

PV array 32 and OP 46

No glare found

PV array 32 and OP 47

No glare found

PV array 32 and OP 48

No glare found

PV array 32 and OP 49

No glare found

PV array 32 and OP 50

No glare found

PV array 32 and OP 51

No glare found

PV array 32 and OP 52

No glare found

PV array 32 and OP 53

No glare found

PV array 32 and OP 54

No glare found

PV array 32 and OP 55

No glare found

PV: PV array 33 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 33 and Route: E Baldree Road

No glare found

PV array 33 and Route: E Pittman Road

No glare found

PV array 33 and Route: KY-1241-1

No glare found

PV array 33 and Route: KY-1241-2

No glare found

PV array 33 and Route: KY-849

No glare found

PV array 33 and Route: Olden Road

No glare found

PV array 33 and Route: Old Plant Road

No glare found

PV array 33 and Route: US-45

No glare found

PV array 33 and Route: Whittemore Road

No glare found

PV array 33 and OP 1

No glare found

PV array 33 and OP 2

No glare found

PV array 33 and OP 3

No glare found

PV array 33 and OP 4

No glare found

PV array 33 and OP 5

No glare found

PV array 33 and OP 6

No glare found

PV array 33 and OP 7

No glare found

PV array 33 and OP 8

No glare found

PV array 33 and OP 9

No glare found

PV array 33 and OP 10

No glare found

PV array 33 and OP 11

No glare found

PV array 33 and OP 12

No glare found

PV array 33 and OP 13

No glare found

PV array 33 and OP 14

No glare found

PV array 33 and OP 15

No glare found

PV array 33 and OP 16

No glare found

PV array 33 and OP 17

No glare found

PV array 33 and OP 18

No glare found

PV array 33 and OP 19

No glare found

PV array 33 and OP 20

No glare found

PV array 33 and OP 21

No glare found

PV array 33 and OP 22

No glare found

PV array 33 and OP 23

No glare found

PV array 33 and OP 24

No glare found

PV array 33 and OP 25

No glare found

PV array 33 and OP 26

No glare found

PV array 33 and OP 27

No glare found

PV array 33 and OP 28

No glare found

PV array 33 and OP 29

No glare found

PV array 33 and OP 30

No glare found

PV array 33 and OP 31

No glare found

PV array 33 and OP 32

No glare found

PV array 33 and OP 33

No glare found

PV array 33 and OP 34

No glare found

PV array 33 and OP 35

No glare found

PV array 33 and OP 36

No glare found

PV array 33 and OP 37

No glare found

PV array 33 and OP 38

No glare found

PV array 33 and OP 39

No glare found

PV array 33 and OP 40

No glare found

PV array 33 and OP 41

No glare found

PV array 33 and OP 42

No glare found

PV array 33 and OP 43

No glare found

PV array 33 and OP 44

No glare found

PV array 33 and OP 45

No glare found

PV array 33 and OP 46

No glare found

PV array 33 and OP 47

No glare found

PV array 33 and OP 48

No glare found

PV array 33 and OP 49

No glare found

PV array 33 and OP 50

No glare found

PV array 33 and OP 51

No glare found

PV array 33 and OP 52

No glare found

PV array 33 and OP 53

No glare found

PV array 33 and OP 54

No glare found

PV array 33 and OP 55

No glare found

PV: PV array 34 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 34 and Route: E Baldree Road

No glare found

PV array 34 and Route: E Pittman Road

No glare found

PV array 34 and Route: KY-1241-1

No glare found

PV array 34 and Route: KY-1241-2

No glare found

PV array 34 and Route: KY-849

No glare found

PV array 34 and Route: Olden Road

No glare found

PV array 34 and Route: Old Plant Road

No glare found

PV array 34 and Route: US-45

No glare found

PV array 34 and Route: Whittemore Road

No glare found

PV array 34 and OP 1

No glare found

PV array 34 and OP 2

No glare found

PV array 34 and OP 3

No glare found

PV array 34 and OP 4

No glare found

PV array 34 and OP 5

No glare found

PV array 34 and OP 6

No glare found

PV array 34 and OP 7

No glare found

PV array 34 and OP 8

No glare found

PV array 34 and OP 9

No glare found

PV array 34 and OP 10

No glare found

PV array 34 and OP 11

No glare found

PV array 34 and OP 12

No glare found

PV array 34 and OP 13

No glare found

PV array 34 and OP 14

No glare found

PV array 34 and OP 15

No glare found

PV array 34 and OP 16

No glare found

PV array 34 and OP 17

No glare found

PV array 34 and OP 18

No glare found

PV array 34 and OP 19

No glare found

PV array 34 and OP 20

No glare found

PV array 34 and OP 21

No glare found

PV array 34 and OP 22

No glare found

PV array 34 and OP 23

No glare found

PV array 34 and OP 24

No glare found

PV array 34 and OP 25

No glare found

PV array 34 and OP 26

No glare found

PV array 34 and OP 27

No glare found

PV array 34 and OP 28

No glare found

PV array 34 and OP 29

No glare found

PV array 34 and OP 30

No glare found

PV array 34 and OP 31

No glare found

PV array 34 and OP 32

No glare found

PV array 34 and OP 33

No glare found

PV array 34 and OP 34

No glare found

PV array 34 and OP 35

No glare found

PV array 34 and OP 36

No glare found

PV array 34 and OP 37

No glare found

PV array 34 and OP 38

No glare found

PV array 34 and OP 39

No glare found

PV array 34 and OP 40

No glare found

PV array 34 and OP 41

No glare found

PV array 34 and OP 42

No glare found

PV array 34 and OP 43

No glare found

PV array 34 and OP 44

No glare found

PV array 34 and OP 45

No glare found

PV array 34 and OP 46

No glare found

PV array 34 and OP 47

No glare found

PV array 34 and OP 48

No glare found

PV array 34 and OP 49

No glare found

PV array 34 and OP 50

No glare found

PV array 34 and OP 51

No glare found

PV array 34 and OP 52

No glare found

PV array 34 and OP 53

No glare found

PV array 34 and OP 54

No glare found

PV array 34 and OP 55

No glare found

PV: PV array 35 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
E Baldree Road	0	0.0	0	0.0
E Pittman Road	0	0.0	0	0.0
KY-1241-1	0	0.0	0	0.0
KY-1241-2	0	0.0	0	0.0
KY-849	0	0.0	0	0.0
Olden Road	0	0.0	0	0.0
Old Plant Road	0	0.0	0	0.0
US-45	0	0.0	0	0.0
Whittemore Road	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0
OP 40	0	0.0	0	0.0
OP 41	0	0.0	0	0.0
OP 42	0	0.0	0	0.0
OP 43	0	0.0	0	0.0
OP 44	0	0.0	0	0.0
OP 45	0	0.0	0	0.0
OP 46	0	0.0	0	0.0
OP 47	0	0.0	0	0.0
OP 48	0	0.0	0	0.0
OP 49	0	0.0	0	0.0
OP 50	0	0.0	0	0.0
OP 51	0	0.0	0	0.0
OP 52	0	0.0	0	0.0
OP 53	0	0.0	0	0.0
OP 54	0	0.0	0	0.0
OP 55	0	0.0	0	0.0

PV array 35 and Route: E Baldree Road

No glare found

PV array 35 and Route: E Pittman Road

No glare found

PV array 35 and Route: KY-1241-1

No glare found

PV array 35 and Route: KY-1241-2

No glare found

PV array 35 and Route: KY-849

No glare found

PV array 35 and Route: Olden Road

No glare found

PV array 35 and Route: Old Plant Road

No glare found

PV array 35 and Route: US-45

No glare found

PV array 35 and Route: Whittemore Road

No glare found

PV array 35 and OP 1

No glare found

PV array 35 and OP 2

No glare found

PV array 35 and OP 3

No glare found

PV array 35 and OP 4

No glare found

PV array 35 and OP 5

No glare found

PV array 35 and OP 6

No glare found

PV array 35 and OP 7

No glare found

PV array 35 and OP 8

No glare found

PV array 35 and OP 9

No glare found

PV array 35 and OP 10

No glare found

PV array 35 and OP 11

No glare found

PV array 35 and OP 12

No glare found

PV array 35 and OP 13

No glare found

PV array 35 and OP 14

No glare found

PV array 35 and OP 15

No glare found

PV array 35 and OP 16

No glare found

PV array 35 and OP 17

No glare found

PV array 35 and OP 18

No glare found

PV array 35 and OP 19

No glare found

PV array 35 and OP 20

No glare found

PV array 35 and OP 21

No glare found

PV array 35 and OP 22

No glare found

PV array 35 and OP 23

No glare found

PV array 35 and OP 24

No glare found

PV array 35 and OP 25

No glare found

PV array 35 and OP 26

No glare found

PV array 35 and OP 27

No glare found

PV array 35 and OP 28

No glare found

PV array 35 and OP 29

No glare found

PV array 35 and OP 30

No glare found

PV array 35 and OP 31

No glare found

PV array 35 and OP 32

No glare found

PV array 35 and OP 33

No glare found

PV array 35 and OP 34

No glare found

PV array 35 and OP 35

No glare found

PV array 35 and OP 36

No glare found

PV array 35 and OP 37

No glare found

PV array 35 and OP 38

No glare found

PV array 35 and OP 39

No glare found

PV array 35 and OP 40

No glare found

PV array 35 and OP 41

No glare found

PV array 35 and OP 42

No glare found

PV array 35 and OP 43

No glare found

PV array 35 and OP 44

No glare found

PV array 35 and OP 45

No glare found

PV array 35 and OP 46

No glare found

PV array 35 and OP 47

No glare found

PV array 35 and OP 48

No glare found

PV array 35 and OP 49

No glare found

PV array 35 and OP 50

No glare found

PV array 35 and OP 51

No glare found

PV array 35 and OP 52

No glare found

PV array 35 and OP 53

No glare found

PV array 35 and OP 54

No glare found

PV array 35 and OP 55

No glare found

Assumptions

"Green" glare is glare with low potential to cause an after-image (flash blindness) when observed prior to a typical blink response time.
"Yellow" glare is glare with potential to cause an after-image (flash blindness) when observed prior to a typical blink response time.
Times associated with glare are denoted in Standard time. For Daylight Savings, add one hour.
The algorithm does not rigorously represent the detailed geometry of a system; detailed features such as gaps between modules, variable height of the PV array, and support structures may impact actual glare results. However, we have validated our models against several systems, including a PV array causing glare to the air-traffic control tower at Manchester-Boston Regional Airport and several sites in Albuquerque, and the tool accurately predicted the occurrence and intensity of glare at different times and days of the year.
Several V1 calculations utilize the PV array centroid, rather than the actual glare spot location, due to algorithm limitations. This may affect results for large PV footprints. Additional analyses of array sub-sections can provide additional information on expected glare. This primarily affects V1 analyses of path receptors.
Random number computations are utilized by various steps of the annual hazard analysis algorithm. Predicted minutes of glare can vary between runs as a result. This limitation primarily affects analyses of Observation Point receptors, including ATCTs. Note that the SGHAT/ ForgeSolar methodology has always relied on an analytical, qualitative approach to accurately determine the overall hazard (i.e. green vs. yellow) of expected glare on an annual basis.
The analysis does not automatically consider obstacles (either man-made or natural) between the observation points and the prescribed solar installation that may obstruct observed glare, such as trees, hills, buildings, etc.
The subtended source angle (glare spot size) is constrained by the PV array footprint size. Partitioning large arrays into smaller sections will reduce the maximum potential subtended angle, potentially impacting results if actual glare spots are larger than the sub-array size. Additional analyses of the combined area of adjacent sub-arrays can provide more information on potential glare hazards. (See previous point on related limitations.)
The variable direct normal irradiance (DNI) feature (if selected) scales the user-prescribed peak DNI using a typical clear-day irradiance profile. This profile has a lower DNI in the mornings and evenings and a maximum at solar noon. The scaling uses a clear-day irradiance profile based on a normalized time relative to sunrise, solar noon, and sunset, which are prescribed by a sun-position algorithm and the latitude and longitude obtained from Google maps. The actual DNI on any given day can be affected by cloud cover, atmospheric attenuation, and other environmental factors.
The ocular hazard predicted by the tool depends on a number of environmental, optical, and human factors, which can be uncertain. We provide input fields and typical ranges of values for these factors so that the user can vary these parameters to see if they have an impact on the results. The speed of SGHAT allows expedited sensitivity and parametric analyses.
The system output calculation is a DNI-based approximation that assumes clear, sunny skies year-round. It should not be used in place of more rigorous modeling methods.
Hazard zone boundaries shown in the Glare Hazard plot are an approximation and visual aid based on aggregated research data. Actual ocular impact outcomes encompass a continuous, not discrete, spectrum.
Glare locations displayed on receptor plots are approximate. Actual glare-spot locations may differ.
Refer to the Help page at **www.forgesolar.com/help/** for assumptions and limitations not listed here.

Default glare analysis parameters and observer eye characteristics (for reference only):

- Analysis time interval: 1 minute
- Ocular transmission coefficient: 0.5
- Pupil diameter: 0.002 meters
- Eye focal length: 0.017 meters
- Sun subtended angle: 9.3 milliradians

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Attachment C

FAA Notice Criteria Tool

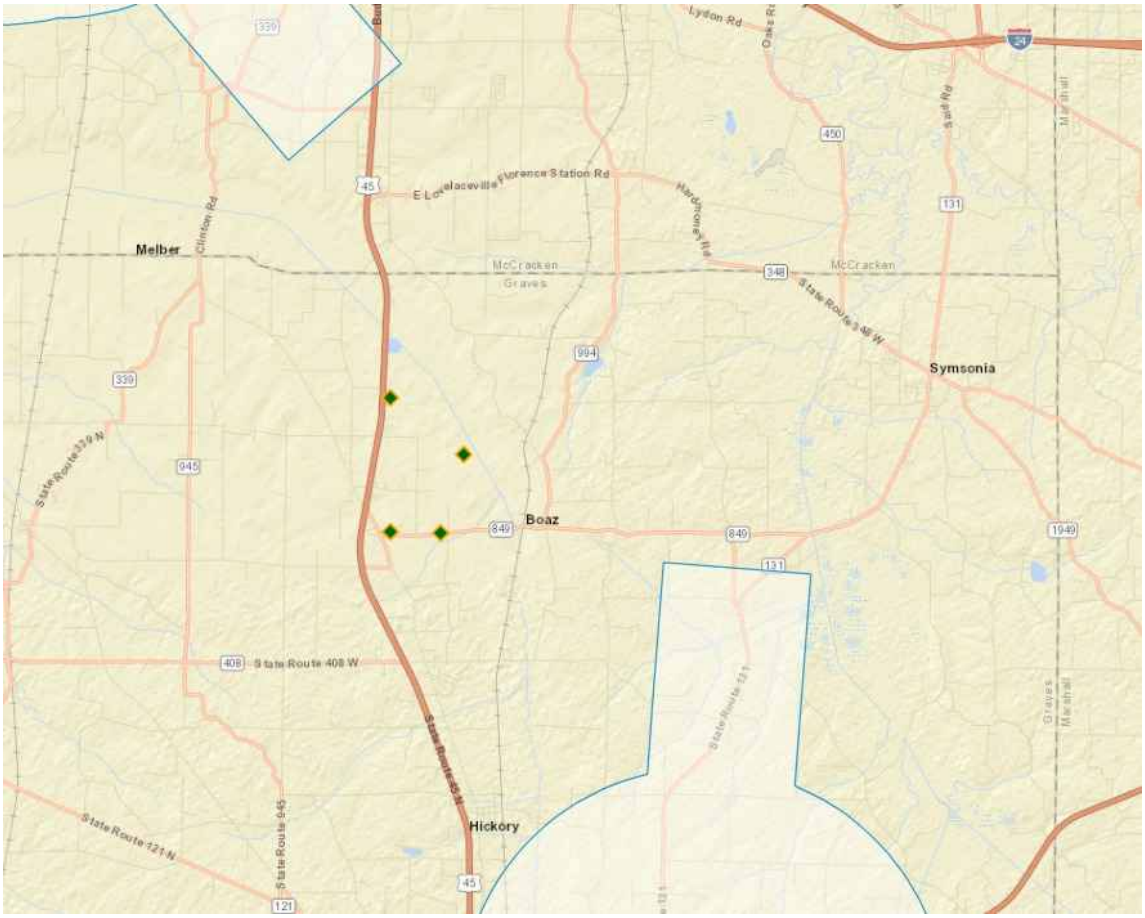
OE/AAA Pre-screening Results

Fri Dec 05 2025 14:12:57 GMT-0500 (Eastern Standard Time)

Structure: Solar Panel

Latitude	Longitude	Height	Site Elevation	AMSL
36.884475°	-88.671975°	9	435	444
36.884311°	-88.657892°	9	398	407
36.901763°	-88.651066°	9	385	394
36.914499°	-88.671947°	9	392	401

Based on the information you provided, you are not required to file notice with the FAA.



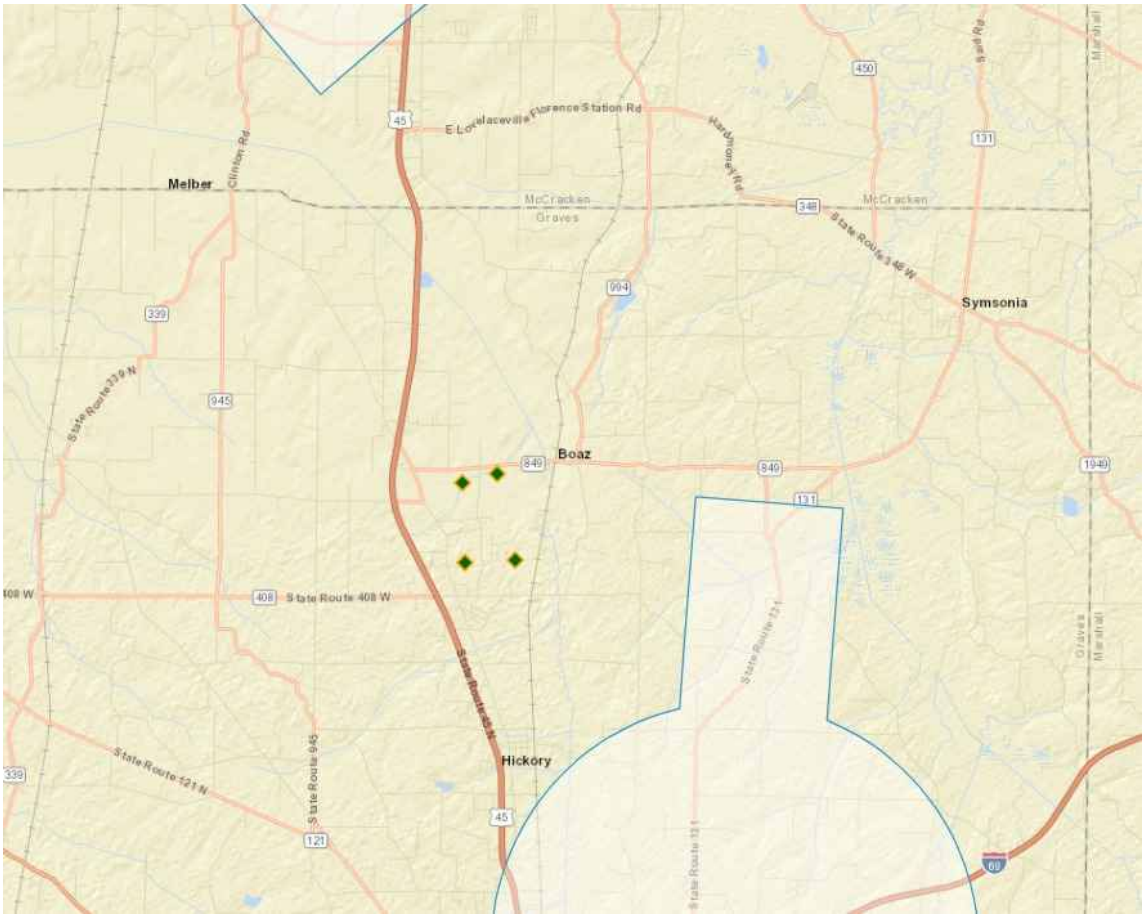
OE/AAA Pre-screening Results

Fri Dec 05 2025 14:11:24 GMT-0500 (Eastern Standard Time)

Structure: Solar Panel

Latitude	Longitude	Height	Site Elevation	AMSL
36.880756	-88.660589	9	402	411
36.882741	-88.650800	9	394	403
36.863275	-88.645709	9	398	407
36.862941	-88.660067	9	425	434

Based on the information you provided, you are not required to file notice with the FAA.



SAR Attachment F

Transportation Assessment Report for the Mayfield Solar Project

Graves County, Kentucky

January 2026

Prepared for:

MYSO, LLC
515 N. Flagler Drive, Suite 250
West Palm Beach, FL 33401

Prepared by:

Tetra Tech, Inc.
4101 Cox Road, Suite 100
Glen Allen, VA 23060

TETRA TECH

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Figure 1. Site Locus Map

APPENDICES

Appendix A. KYTC Traffic Volume Data
Appendix B. Trip Generation Calculations
Appendix C. Public Transportation Information
Appendix D. HCS Worksheets

ACRONYMS AND ABBREVIATIONS

	Definition
AADT	Annual Average Daily Traffic
HCM	Highway Capacity Manual, 7th Edition
HCS2025	Highway Capacity Software version 2025
KYTC	Kentucky Transportation Cabinet
MW	Megawatts
O&M	Operations and Maintenance
Project Area	The 1,342± acres of privately-owned land where the proposed Project is located
Project	Mayfield Solar Project
vpd	vehicles per day
vph	vehicles per hour

1.0 INTRODUCTION

MYSO, LLC proposes to construct and operate the Mayfield Solar Project (Project), a solar photovoltaic power generation facility which will consist of an up to 200-megawatt (MW) ground-mounted solar photovoltaic system, a substation and related interconnection to the energy grid located in Graves County, Kentucky.

Tetra Tech, Inc has prepared the following transportation assessment for the Project. The Project Area is comprised of approximately 1,342 acres of land on rural and agricultural parcels. Access to the site is provided through access gates located along the following roadways:

- E. Baldree Road
- E. Pittman Road
- Kentucky State Route 849 (KY 849)
- Whittenmore Road:
- Old Plant Road:
- McGee Road:
- Olden Road:
- Unnamed Farm Road:

A preliminary review of the surrounding roadways was completed to determine primary roadways to be used for the analysis as well as limitations. Regionally, it is anticipated that the construction workforce and deliveries will primarily use US Route 45 (US 45), Kentucky State Route 849 (KY 849), and Kentucky State Route 408 (KY 408) to access the site. For the purpose of the analysis in this assessment, these three primary roadways were evaluated for roadway capacity in the following subsequent sections. There are several creeks and/or rivers near the project site that may affect routes to and from the site due to posted weight limits at structures crossing these bodies of water as shown in Figure 1.

Additionally, Tetra Tech developed vehicle trip generation estimates associated with the Project's anticipated peak construction workforce levels and reviewed them against existing traffic volumes and public transportation in the vicinity of the Project.

During the peak of construction, the Project is anticipated to generate approximately 566 vehicle trips on a typical weekday day with 242 vehicle trips occurring during the weekday morning peak hour and 242 vehicle trips occurring during the weekday evening peak hour. These estimates conservatively assume that all construction workers would arrive within the same hour in the morning and depart within the same hour in the evening.

The Project's construction activities are anticipated to occur over an approximate 18- to 24-month duration with peak construction activities currently anticipated to occur for a period of approximately seven to nine months. The construction workforce levels will be less during the remaining months of construction. The adjacent roadways are anticipated to have ample capacity to accommodate the temporary increase in daily and peak hour traffic during the peak construction activities and, by extension, the duration of construction of the Project. The Project will use vehicle cleaning stations, water trucks, and dust screens to control dust and ensure that sediment is not tracked from the Project site onto the road network. Additionally, routine post-construction operations and maintenance (O&M) activities at the site are not anticipated to result in a noticeable increase in vehicle traffic and, therefore, are not anticipated to impact the public roadway system.

2.0 TRAFFIC DATA

2.1 EXISTING TRAFFIC VOLUMES

Tetra Tech reviewed available Kentucky Transportation Cabinet (KYTC) traffic volume data[1] to establish historical daily traffic volumes in the vicinity of the Project. The primary roadways serving the site are US 45, KY 849, and KY 408. US 45 is classified by KYTC as a rural other principal arterial roadway, while KY 849 and KY 408 are classified as rural minor collector roadways.

Based on the most recent publicly available data from the KYTC Traffic Reporting System, the estimated Annual Average Daily Traffic (AADT) volume on the roadways serving the site expressed in vehicles per day (vpd) are listed below. Traffic volume data that was used to support this assessment is provided in the Appendix A.

- Route 849 east of Route 45 – 763 vpd (2022)
- Route 849 west of Route 45 – 852 vpd (2023)
- Route 45 north of Route 849 –13,000 vpd (2024)
- Route 408 west of Route 1241 – 1,387 vpd (2022)

2.2 VEHICLE TRIP GENERATION

The Project will consist of three phases: construction, O&M, and decommissioning. The highest volume of site-related trips will occur during the peak construction phase of the Project. The trip generation for the peak construction workforce levels were estimated for this assessment, along with an assessment of post-construction conditions. The Project is not anticipated to use local rail for delivery transport; therefore, the trip generation estimates include roadway vehicles only.

Construction. Vehicle trip generation estimates were developed based on anticipated construction operations for the Project. Construction of the proposed solar facility is expected to include site grading, equipment deliveries, panel installation and inspections. It is anticipated that, at peak operations, the site could experience construction workforce levels of up to 250 construction workers at one time. Peak construction activities are currently anticipated to occur for a period of approximately seven to nine months. Construction hours of operation are assumed to generally be between 6:00 AM and 7:00 PM Monday through Saturday.

The peak hours of the existing adjacent street traffic are expected to occur during the typical weekday commuting peak periods (7:00 AM to 9:00 AM and 4:00 PM to 6:00 PM). It is expected that the majority of construction workers would arrive and depart the site outside of the typical weekday morning and weekday evening commuter peak hours of the adjacent street. However, to present a conservative assessment of potential traffic increases associated with the Project, it is assumed that all construction workers would arrive during the weekday morning peak hour and depart during the weekday evening peak hour. The supporting trip generation calculations and assumptions for the proposed Project's peak construction workforce levels are provided in Appendix B.

[1] Kentucky Transportation Cabinet Traffic Count Database, https://maps.kytc.ky.gov/trafficcounts/ (September 2025)

While on demand public transportation service is currently provided in Graves County by the Fulton County Transit Authority, fixed route services are not provided. Therefore, use of public transportation services by the Project's construction workforce is not anticipated. Public transportation information is provided in Appendix C. It is anticipated, however, that some construction workers would arrive and depart the site together (carpooling). For purposes of this assessment, it was assumed that 10 percent of the construction workers will carpool to travel to/from the site with two workers per vehicle. Table 1 presents a summary of the trip generation estimates for the proposed Project's peak construction workforce activities.

Table 1. Trip Generation Summary – Peak Construction Period

Time Period/ Direction	Project Trips			
	Workforce Trips[1]	Non-Heavy Vehicle Deliveries[2]	Heavy Vehicles[3]	Total
Weekday AM Peak Hour				
Enter	238	1	1	240
Exit	0	1	1	2
Total	**238**	**2**	**2**	**242**
Weekday Midday Period				
Enter	25	8	8	41
Exit	25	8	8	41
Total	**50**	**16**	**16**	**82**
Weekday PM Peak Hour				
Enter	0	1	1	2
Exit	238	1	1	240
Total	**238**	**2**	**2**	**242**
Weekday Daily				
Enter	263	10	10	283
Exit	263	10	10	283
Total	**526**	**20**	**20**	**566**

1/ Assumed 250 construction workers per day. Conservatively assumed construction workforce commuter trips overlap with adjacent street peaks.
2/ Assumed 10 deliveries per day distributed evenly throughout day.
3/ Assumed 10 deliveries per day distributed evenly throughout day.

As shown in Table 1, the peak construction activity for the proposed solar facility is expected to generate 566 new vehicle trips (283 entering and 283 exiting) on a typical weekday, with approximately 242 new vehicle trips (240 entering and 2 exiting) during the weekday morning peak hour and 242 new vehicle trips (2 entering and 240 exiting) during the weekday evening peak hour. The adjacent roadways are anticipated to have ample capacity to accommodate the temporary increase in daily and peak hour traffic. Additionally, there are multiple routes connecting the site to the regional roadway system thereby reducing potential traffic increases on any single roadway segment or intersection.

Post-Construction Conditions. Routine post-construction O&M activities at the site are not anticipated to result in a noticeable increase in vehicle traffic on the surrounding area roadways. The number of maintenance workers traveling to the site is anticipated to be low and impacts to local traffic is not expected. The proposed solar facility

will be unmanned during normal operations and would only be inspected periodically. Therefore, the site is not expected to result in a noticeable increase to existing traffic under typical conditions. Impacts resulting from decommissioning of the Project are expected to be similar to or less than those experienced during construction.

3.0 ROADWAY CAPACITY

Tetra Tech conducted a capacity analysis of the primary roadways serving the site (US 45, KY 849, and KY 408). The analysis was conducted using Highway Capacity Software (HCS2025) for multilane and two-lane highways which is based on the Highway Capacity Manual (HCM) 7th Edition methodology. The peak hour analyses provide a level of service (LOS) designation based on the calculated follower density (followers/mile/lane) for the roadway segment analyzed. LOS results are given in letter grade designations from LOS A through LOS F. An LOS of D or better is typically considered acceptable. LOS E and LOS F indicate that a roadway segment may experience significant delays and congestion.

Based on KYTC traffic volume data, the critical roadways serving the area of the Project experience weekday peak hour flows ranging from 57 to 676 vehicles per hour (vph) in the dominant travel directions. The Applicant will coordinate with KYTC on any overlapping roadway improvements planned for the area of the Project.

While the Project area can be accessed by multiple roadways, each study roadway was assumed to experience all peak hour traffic volumes to present a conservative analysis. Only the peak construction period was analyzed as it is the Project phase that is anticipated to have the highest trip generation activity. However, the peak construction phase is only anticipated to occur over a seven-to-nine-month period, with the remaining construction activity anticipated to experience fewer vehicle trips.

Two analysis conditions were evaluated: the Existing (Without Project) and the Build (With Peak Project Construction) conditions. The HCS multilane and two-lane highway analysis results show that the four critical roadways leading to the Project Area are expected to operate with minimal delay at LOS B or better operations during the critical weekday peak hours with Project peak construction traffic. This indicates that US 45, KY 849, and KY 408 in the site vicinity have ample capacity to support the peak construction activity associated with the proposed Project (typically, LOS D or better operations are considered acceptable). Additionally, given that the construction vehicles will likely be dispersed among numerous travel routes (rather than being concentrated on a single travel route), it is expected that actual roadway operations will be better than those reported in this assessment. The HCS analysis worksheets are provided in Appendix D.

4.0 FUGITIVE DUST

Activities that disturb land during the construction of the Project may temporarily add airborne materials. To reduce the contribution of airborne materials, application of water and covering of spoils may occur. The use of water for dust control as required for the Project is authorized under the Kentucky Pollutant Discharge Elimination System as a non-stormwater discharge activity. The Project will use vehicle cleaning stations, water trucks, and dust screens to control dust and ensure that sediment is not tracked from the Project site onto the road network.

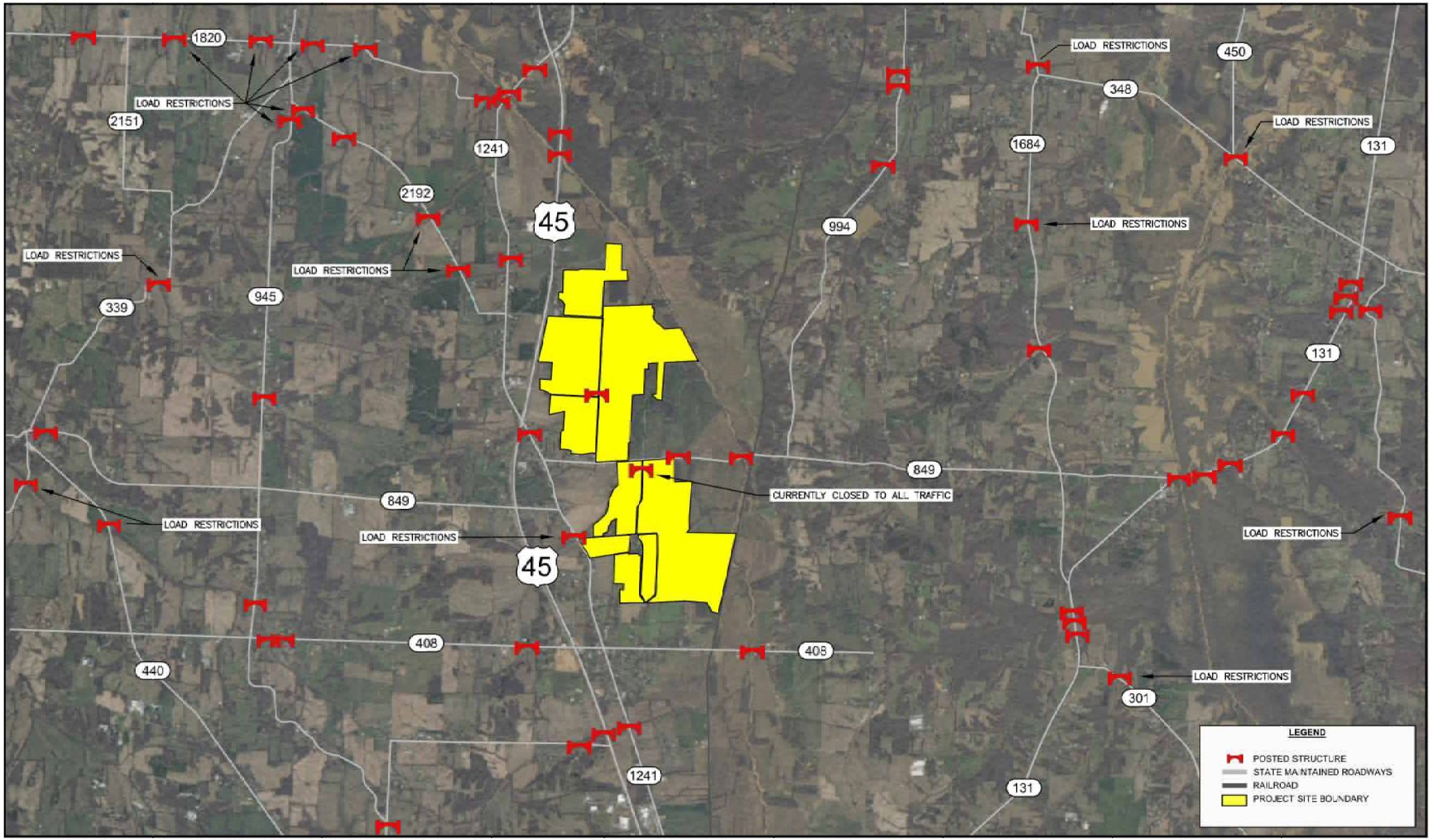
5.0 CONCLUSIONS

The peak construction workforce levels for the proposed 200 MWac solar photovoltaic power generation facility are expected to generate approximately 242 trips during the weekday morning peak hour and 242 trips during the weekday evening peak hour during peak construction. Peak construction activities are currently anticipated to occur for a period of approximately seven to nine months. The remainder of the construction period is anticipated to generate fewer vehicle trips. These trip generation estimates are conservative as the majority of peak hour trips are likely to occur outside of the typical weekday commuter peak hours of the adjacent street traffic. Capacity analyses of the critical roadways serving the site (US 45, KY 849, and KY 408) indicate ample capacity to support the Project's temporary peak construction operations. The Project will use vehicle cleaning stations, water trucks, and dust screens to control dust and ensure that sediment is not tracked from the Project site onto the road network. Prior to construction, the Project will enter into a Road Use Agreement (RUA) with the agency having jurisdiction to mitigate any degradation of roads and lands that may occur in the vicinity of the facility due to the Project as required by KRS 278.708(3)(e). Furthermore, the Project will generate even less traffic post construction with only occasional routine inspection and maintenance of the solar panels and supporting equipment.

6.0 REFERENCES

KYTC. 2024. Kentucky Transportation Cabinet Traffic Count Database. Available at: https://maps.kytc.ky.gov/trafficcounts/

FIGURES



TETRA TECH

N

Mayfield Solar
Graves County, KY

SITE LOCUS MAP

FIGURE
1

APPENDIX A. KYTC TRAFFIC VOLUME DATA

KYTC Traffic Count Reporting System

Search | Interactive Map

Print | Download Station Details

Historical Traffic Volume Summary

Station Details:

Sta ID:	042033
Sta Type:	Full Coverage
Map:	MapIt
District:	1
County:	Graves
Route:	042-KY-0849 -000
Route Desc:	KY-849 E

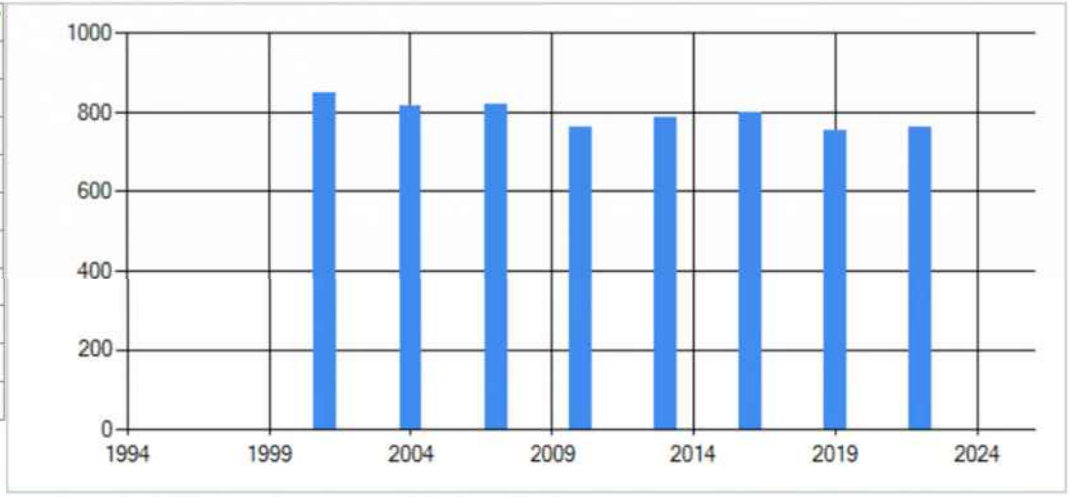
Begin MP:	7.6180
Begin Desc:	US 45
End Mp:	11.2340
End Desc:	MCCRACKEN COUNTY RD/KY 994
Impact Year:	
Year Added:	

Newest Count:

AADT:	763
Year:	2022
% Single:	
% Combo:	
K Factor:	12.80
D Factor:	58

Definitions:
Sta. ID - Three digit county number + station number
MP - milepoint
Impact Year – year of significant change to traffic pattern within station segment
AADT – Annual Average Daily Traffic – the annualized average 24-hour volume of vehicles on a segment of roadway
% Single – single unit truck volume as a percentage of the AADT
% Combo – combination truck volume as a percentage of the AADT
K Factor – peak hour volume as a percentage of the AADT
D Factor – percentage of peak hour volume flowing in the peak direction

Year	AADT	Year	AADT	Year	AADT
2025		2015		2005	
2024		2014		2004	816
2023		2013	789	2003	
2022	763	2012		2002	
2021		2011		2001	848
2020		2010	762	2000	
2019	755	2009		1999	
2018		2008		1998	
2017		2007	819	1997	
2016	800	2006		1996	



KYTC Traffic Count Reporting System

Search | Interactive Map

Print | Download Station Details

Historical Traffic Volume Summary

Station Details:

Sta ID:	042826
Sta Type:	Full Coverage
Map:	MapIt
District:	1
County:	Graves
Route:	042-US-0045 -000
Route Desc:	US-45 N

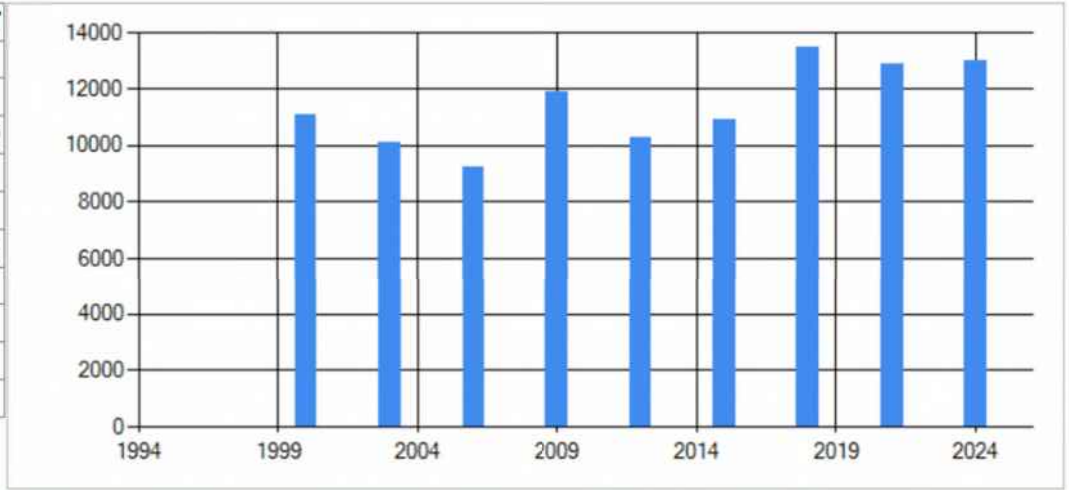
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End Desc:	MCCRACKEN COUNTY LINE
Impact Year:	
Year Added:	1987

Newest Count:

AADT:	13000
Year:	2024
% Single:	
% Combo:	
K Factor:	10
D Factor:	52

Definitions:
Sta. ID - Three digit county number + station number
MP - milepoint
Impact Year – year of significant change to traffic pattern within station segment
AADT – Annual Average Daily Traffic – the annualized average 24-hour volume of vehicles on a segment of roadway
% Single – single unit truck volume as a percentage of the AADT
% Combo – combination truck volume as a percentage of the AADT
K Factor – peak hour volume as a percentage of the AADT
D Factor – percentage of peak hour volume flowing in the peak direction

Year	AADT	Year	AADT	Year	AADT
2025		2015	10880	2005	
2024	13000	2014		2004	
2023		2013		2003	10100
2022		2012	10276	2002	
2021	12868	2011		2001	
2020		2010		2000	11100
2019		2009	11900	1999	
2018	13483	2008		1998	
2017		2007		1997	
2016		2006	9250	1996	



KYTC Traffic Count Reporting System

Search | Interactive Map

Print | Download Station Details

Historical Traffic Volume Summary

Station Details:

Sta ID:	042786
Sta Type:	Full Coverage
Map:	MapIt
District:	1
County:	Graves
Route:	042-KY-0849 -000
Route Desc:	KY-849 W

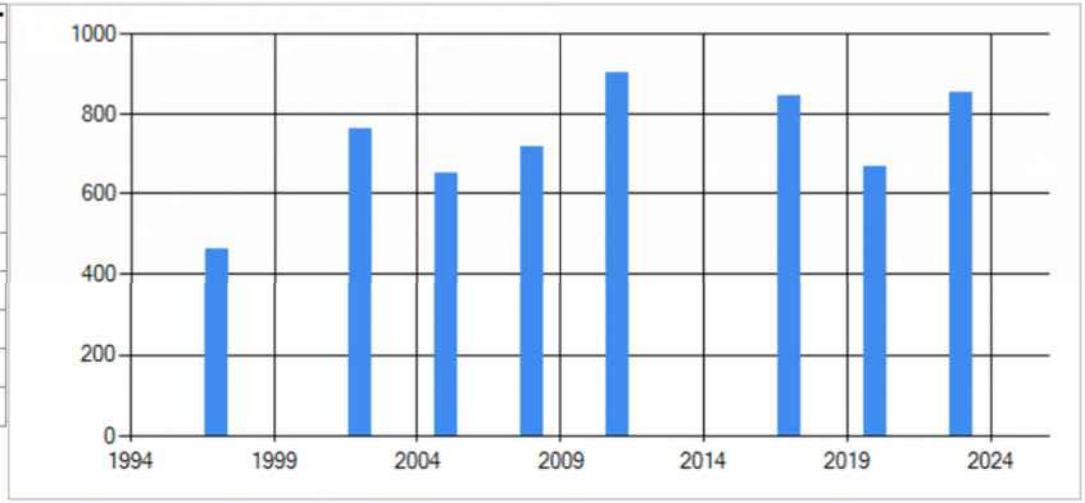
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End Mp:	7.6180
End Desc:	US 45
Impact Year:	
Year Added:	

Newest Count:

AADT:	852
Year:	2023
% Single:	
% Combo:	
K Factor:	14.60
D Factor:	56

Definitions:
Sta. ID - Three digit county number + station number
MP - milepoint
Impact Year – year of significant change to traffic pattern within station segment
AADT – Annual Average Daily Traffic – the annualized average 24-hour volume of vehicles on a segment of roadway
% Single – single unit truck volume as a percentage of the AADT
% Combo – combination truck volume as a percentage of the AADT
K Factor – peak hour volume as a percentage of the AADT
D Factor – percentage of peak hour volume flowing in the peak direction

Year	AADT	Year	AADT	Year	AADT
2025		2015		2005	652
2024		2014		2004	
2023	852	2013		2003	
2022		2012		2002	761
2021		2011	901	2001	
2020	667	2010		2000	
2019		2009		1999	
2018		2008	716	1998	
2017	845	2007		1997	464
2016		2006		1996	



KYTC Traffic Count Reporting System

Search | Interactive Map

Print | Download Station Details

Historical Traffic Volume Summary

Station Details:

Sta ID:	042090
Sta Type:	Full Coverage
Map:	MapIt
District:	1
County:	Graves
Route:	042-KY-0408 -000
Route Desc:	KY-408 E

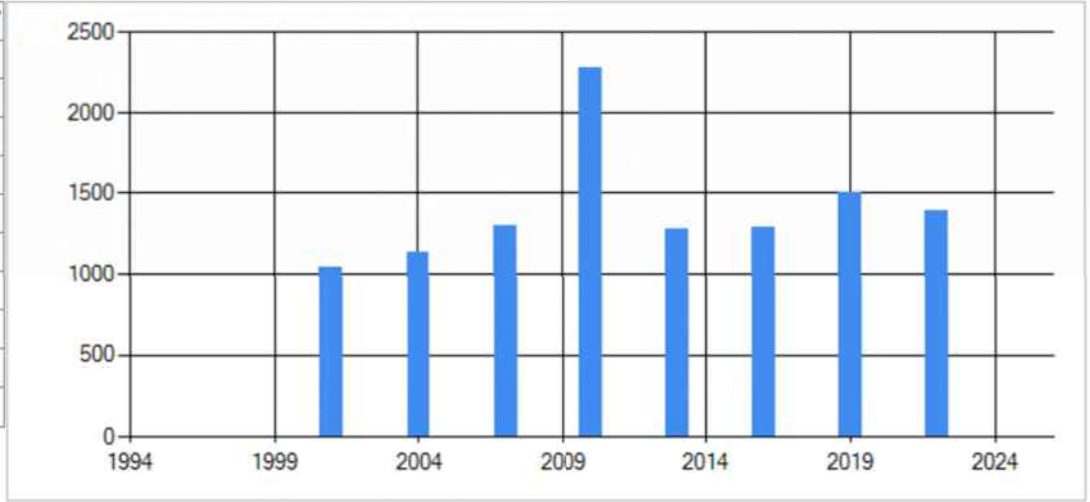
Begin MP:	8.0470
Begin Desc:	US 45
End Mp:	8.3670
End Desc:	KY 1241
Impact Year:	
Year Added:	

Newest Count:

AADT:	1387
Year:	2022
% Single:	
% Combo:	
K Factor:	10.80
D Factor:	58

Definitions:
Sta. ID - Three digit county number + station number
MP - milepoint
Impact Year – year of significant change to traffic pattern within station segment
AADT – Annual Average Daily Traffic – the annualized average 24-hour volume of vehicles on a segment of roadway
% Single – single unit truck volume as a percentage of the AADT
% Combo – combination truck volume as a percentage of the AADT
K Factor – peak hour volume as a percentage of the AADT
D Factor – percentage of peak hour volume flowing in the peak direction

Year	AADT	Year	AADT	Year	AADT
2025		2015		2005	
2024		2014		2004	1130
2023		2013	1278	2003	
2022	1387	2012		2002	
2021		2011		2001	1040
2020		2010	2280	2000	
2019	1503	2009		1999	
2018		2008		1998	
2017		2007	1300	1997	
2016	1288	2006		1996	



APPENDIX B. TRIP GENERATION CALCULATIONS

Peak Construction Workforce Trip Generation Calculations and Assumptions

Proposed Mayfield Solar Facility - Graves County, KY

Construction Site Driveway Trips					
	Workforce Trips	Mid-Size Vehicle Deliveries	Semi Tractor Trailer Deliveries	Total	CALCULATIONS
AM Peak Hour:					
Enter	238	1	1	240	(250 workers x 100% arrive x (100% - 10% carpool x 1 vehicle/2 carpool workers)) + (2 Delivery Vehicles arrive) = 240
Exit	0	1	1	2	(250 workers x 0% depart) + (2 Delivery Vehicles depart) = 2
Total	238	2	2	242	
PM Peak Hour:					
Enter	0	1	1	2	(250 workers x 0% arrive) + (2 Delivery Vehicles arrive) = 2
Exit	238	1	1	240	(250 workers x 100% depart x (100% - 10% carpool x 1 vehicle/2 carpool workers)) + (2 Delivery Vehicles depart) = 240
Total	238	2	2	242	
Weekday Daily:					
Enter	263	10	10	283	(250 workers x 100% arrive in AM x (100% - 10% carpool x 1 vehicle/2 carpool workers)) + (250 workers x 10% return from lunch/errands midday) + (20 Delivery Vehicles arrive) = 283
Exit	263	10	10	283	(250 workers x 100% depart in PM x (100% - 10% carpool x 1 vehicle/2 carpool workers)) + (250 workers x 10% leave for lunch/errands midday) + (20 Delivery Vehicles depart) = 283
Total	526	20	20	566	

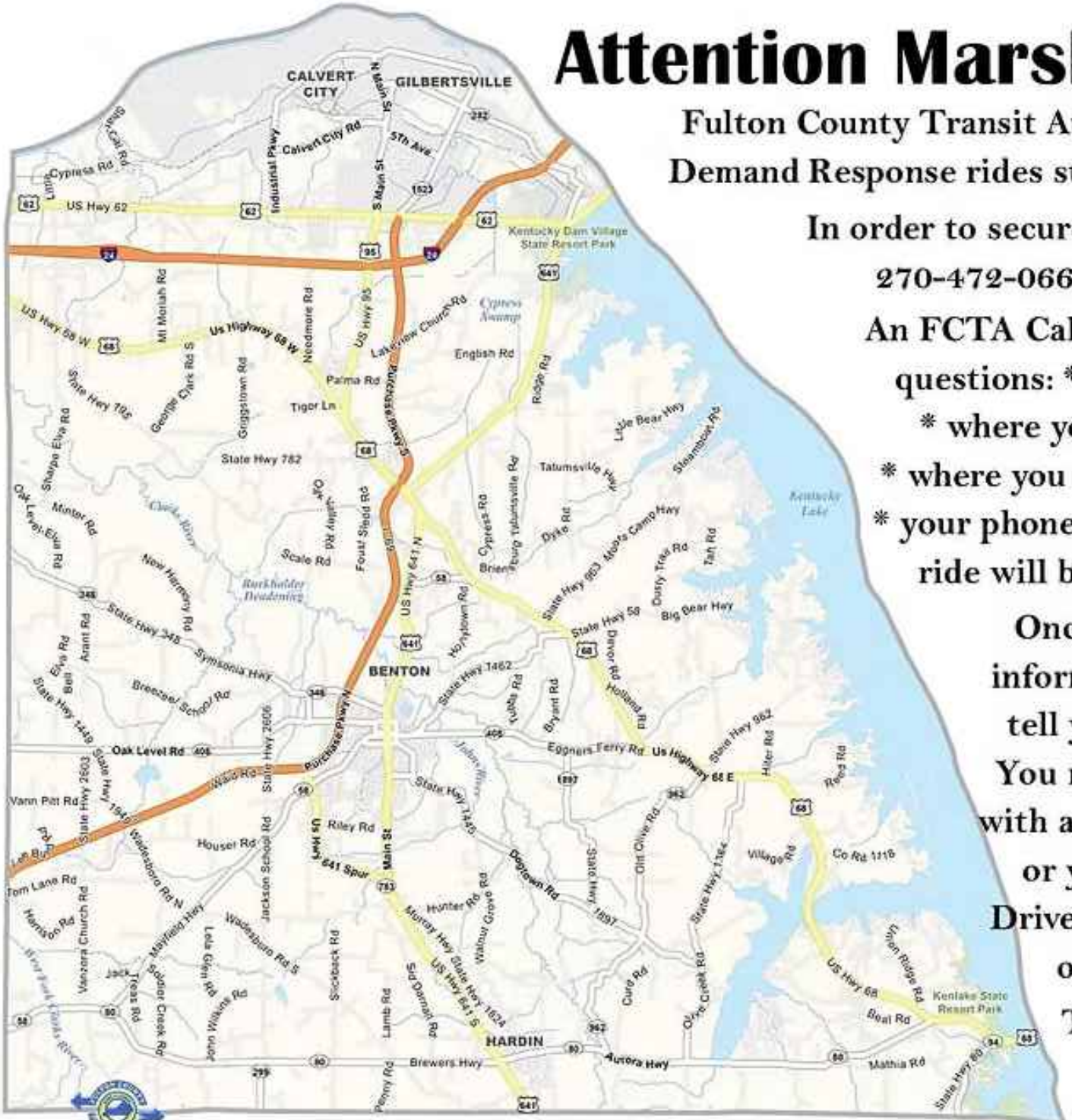
Construction Assumption	AM Peak Hour	PM Peak Hour	Off-Peak Hours	Notes
# of Peak Workers On-Site at One Time:	250	250	250	Assume 250 workers
% Workers Arriving:	100%	0%	10%	Assumed hours of operation generally between 6am-7pm. Peak Hours of adjacent street traffic assumed to occur between is 7am-9am and 4pm-6pm. Therefore, the majority of construction worker traffic is likely to occur outside of the peak commuting hours of the adjacent street. However, as a conservative measure, assumed 100 percent of workers arrive and depart during the peak hours of the adjacent street traffic. As a conservative measure, assumed half of workforce depart and return once during off-peak times. Assumed none of the workers get picked up/dropped off.
% Workers Departing:	0%	100%	10%	Assumed hours of operation generally between 6am-7pm. Peak Hours of adjacent street traffic assumed to occur between is 7am-9am and 4pm-6pm. Therefore, the majority of construction worker traffic is likely to occur outside of the peak commuting hours of the adjacent street. However, as a conservative measure, assumed 100 percent of workers arrive and depart during the peak hours of the adjacent street traffic. As a conservative measure, assumed half of workforce depart and return once during off-peak times. Assumed none of the workers get picked up/dropped off.
% Carpool[1]:	10.0%	10.0%	0.0%	Assumed 10% carpooling during commuting
Carpool VOR[2]:	2.00	2.00	1.00	Assumed two workers per car during commuting
# Shuttle Trips:	0	0	0	Assumed all workers and deliveries will occur via the construction driveway; no laydown site is proposed
# Semi Truck Deliveries:	1	1	8	Assumed worker hours of operation between 6am and 7pm and assumed 10 deliveries per day and distributed evenly throughout the day.
# Mid-Size Truck Deliveries:	1	1	8	Assumed worker hours of operation between 6am and 7pm and assumed 10 deliveries per day and distributed evenly throughout the day.

[1]Enter % per population - formulas above account for VOR

[2]VOR for carpoolers only

Source: Tetra Tech

APPENDIX C. PUBLIC TRANSPORTATION INFORMATION



Attention Marshall County:

Fulton County Transit Authority will be offering Demand Response rides starting at 9 a.m. Monday!

In order to secure a ride, please call 270-472-0662 Extension 1.

An FCTA Call Taker will ask you several questions: * your first and last name; * where you need to be picked up; * where you would like to be driven to; * your phone number; & * whether your ride will be one way or round trip.

Once the Call Taker has this information they will be able to tell you the cost of your ride. You may then pay for your ride with a credit card over the phone or you may give your FCTA Driver the exact change in cash once you enter the bus.

This is a learning curve for us all so patience will be the key the first few days!

Proudly serving Fulton, Hickman, Graves, & Carlisle counties. And Marshall County starting Monday

APPENDIX D. HCS WORKSHEETS

HCS Two-Lane Highway Report

Project Information			
Analyst	BSO	Date	9/12/2025
Agency	Tetra Tech	Analysis Year	Existing Condition
Jurisdiction	Graves County	Time Analyzed	
Project Description	KY Route 849 - West of US Route 45	Units	U.S. Customary

Segment 1

Vehicle Inputs			
Segment Type	Passing Constrained	Length, ft	5280
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	15.0

Demand and Capacity			
Directional Demand Flow Rate, veh/h	76	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.92	Total Trucks, %	0.00
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.04

Intermediate Results			
Segment Vertical Class	1	Free-Flow Speed, mi/h	53.6
Speed Slope Coefficient (m)	3.46258	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.34645	PF Power Coefficient (p)	0.74297
In Passing Lane Effective Length?	No	Follower Density, followers/mi/ln	0.3
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	5280	-	-	53.6

Vehicle Results			
Average Speed, mi/h	53.6	Percent Followers, %	18.0
Segment Travel Time, minutes	1.12	Adj. Follower Density, followers/mi/ln	0.3
Vehicle LOS	A		

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HCS Two-Lane Highway Report

Project Information			
Analyst	BSO	Date	9/12/2025
Agency	Tetra Tech	Analysis Year	Existing Condition
Jurisdiction	Graves County	Time Analyzed	
Project Description	KY Route 849 - East of US Route 45	Units	U.S. Customary

Segment 1

Vehicle Inputs			
Segment Type	Passing Constrained	Length, ft	5280
Lane Width, ft	11	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	1.0

Demand and Capacity			
Directional Demand Flow Rate, veh/h	62	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.92	Total Trucks, %	0.00
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.04

Intermediate Results			
Segment Vertical Class	1	Free-Flow Speed, mi/h	57.7
Speed Slope Coefficient (m)	3.68480	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.31678	PF Power Coefficient (p)	0.75424
In Passing Lane Effective Length?	No	Follower Density, followers/mi/ln	0.2
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	5280	-	-	57.7

Vehicle Results			
Average Speed, mi/h	57.7	Percent Followers, %	14.9
Segment Travel Time, minutes	1.04	Adj. Follower Density, followers/mi/ln	0.2
Vehicle LOS	A		

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HCS Multilane Highway Report

Project Information			
Analyst	BSO	Date	12/1/2025
Agency	Tetra Tech	Analysis Year	Existing Condition
Jurisdiction	Graves County	Time Analyzed	Existing
Project Description	US Route 45 - North of KY Route 849	Units	U.S. Customary

Direction 1 Geometric Data			
Direction 1			
Number of Lanes (N), ln	2	Terrain Type	Level
Measured or Base Free-Flow Speed	Measured	Percent Grade, %	-
Base Free-Flow Speed (BFFS), mi/h	-	Grade Length, mi	-
Lane Width, ft	-	Access Point Density, pts/mi	-
Median Type	-	Left-Side Lateral Clearance (LC_R), ft	-
Free-Flow Speed (FFS), mi/h	70.0	Total Lateral Clearance (TLC), ft	-

Direction 1 Adjustment Factors			
Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		

Direction 1 Demand and Capacity			
Volume (V) veh/h	676	Heavy Vehicle Adjustment Factor (f_{HV})	1.000
Peak Hour Factor	0.92	Flow Rate (V_p), pc/h/ln	368
Total Trucks, %	0.00	Capacity (c), pc/h/ln	2300
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2300
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.16

Direction 1 Speed and Density			
Lane Width Adjustment (f_{LW})	-	Average Speed (S), mi/h	70.0
Total Lateral Clearance Adj. (f_{LLC})	-	Density (D), pc/mi/ln	5.3
Median Type Adjustment (f_M)	-	Level of Service (LOS)	A
Access Point Density Adjustment (f_A)	-		

Direction 1 Bicycle LOS			
Flow Rate in Outside Lane (v_{OL}), veh/h	367	Effective Speed Factor (S_t)	5.07
Effective Width of Volume (W_v), ft	18	Bicyle LOS Score (BLOS)	2.33
Average Effective Width (W_e), ft	24	Bicycle Level of Service (LOS)	B

Direction 2 Geometric Data			
Direction 2			
Number of Lanes (N), ln	2	Terrain Type	Level
Measured or Base Free-Flow Speed	Measured	Percent Grade, %	-
Base Free-Flow Speed (BFFS), mi/h	-	Grade Length, mi	-
Lane Width, ft	-	Access Point Density, pts/mi	-
Median Type	-	Left-Side Lateral Clearance (LC_R), ft	-
Free-Flow Speed (FFS), mi/h	70.0	Total Lateral Clearance (TLC), ft	-
Direction 2 Adjustment Factors			
Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		
Direction 2 Demand and Capacity			
Volume (V) veh/h	624	Heavy Vehicle Adjustment Factor (f_{HV})	1.000
Peak Hour Factor	0.92	Flow Rate (V_p), pc/h/ln	339
Total Trucks, %	0.00	Capacity (c), pc/h/ln	2300
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2300
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.15
Direction 2 Speed and Density			
Lane Width Adjustment (f_{LW})	-	Average Speed (S), mi/h	70.0
Total Lateral Clearance Adj. (f_{LLC})	-	Density (D), pc/mi/ln	4.8
Median Type Adjustment (f_M)	-	Level of Service (LOS)	A
Access Point Density Adjustment (f_A)	-		
Direction 2 Bicycle LOS			
Flow Rate in Outside Lane (v_{OL}), veh/h	339	Effective Speed Factor (S_t)	5.07
Effective Width of Volume (W_v), ft	18	Bicyle LOS Score (BLOS)	2.29
Average Effective Width (W_e), ft	24	Bicycle Level of Service (LOS)	B

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HCS Two-Lane Highway Report

Project Information			
Analyst	BSO	Date	9/12/2025
Agency	Tetra Tech	Analysis Year	Existing Condition
Jurisdiction	Graves County	Time Analyzed	
Project Description	KY Route 408 - West of KY Route 1241	Units	U.S. Customary

Segment 1

Vehicle Inputs			
Segment Type	Passing Constrained	Length, ft	5280
Lane Width, ft	9	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	20.0

Demand and Capacity			
Directional Demand Flow Rate, veh/h	95	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.92	Total Trucks, %	0.00
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.06

Intermediate Results			
Segment Vertical Class	1	Free-Flow Speed, mi/h	51.7
Speed Slope Coefficient (m)	3.36231	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.35802	PF Power Coefficient (p)	0.73761
In Passing Lane Effective Length?	No	Follower Density, followers/mi/ln	0.4
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	5280	-	-	51.7

Vehicle Results			
Average Speed, mi/h	51.7	Percent Followers, %	21.2
Segment Travel Time, minutes	1.16	Adj. Follower Density, followers/mi/ln	0.4
Vehicle LOS	A		

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HCS Two-Lane Highway Report

Project Information			
Analyst	BSO	Date	9/12/2025
Agency	Tetra Tech	Analysis Year	Build Condition
Jurisdiction	Graves County	Time Analyzed	
Project Description	KY Route 849 - East of US Route 45	Units	U.S. Customary

Segment 1

Vehicle Inputs			
Segment Type	Passing Constrained	Length, ft	5280
Lane Width, ft	11	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	1.0

Demand and Capacity			
Directional Demand Flow Rate, veh/h	323	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.92	Total Trucks, %	0.00
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.19

Intermediate Results			
Segment Vertical Class	1	Free-Flow Speed, mi/h	57.7
Speed Slope Coefficient (m)	3.68480	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.31678	PF Power Coefficient (p)	0.75424
In Passing Lane Effective Length?	No	Follower Density, followers/mi/ln	2.5
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	5280	-	-	55.7

Vehicle Results			
Average Speed, mi/h	55.7	Percent Followers, %	43.0
Segment Travel Time, minutes	1.08	Adj. Follower Density, followers/mi/ln	2.5
Vehicle LOS	B		

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HCS Multilane Highway Report

Project Information			
Analyst	BSO	Date	12/1/2025
Agency	Tetra Tech	Analysis Year	Build Condition
Jurisdiction	Graves County	Time Analyzed	Future Build
Project Description	US Route 45 - North of KY Route 849	Units	U.S. Customary

Direction 1 Geometric Data			
Direction 1			
Number of Lanes (N), ln	2	Terrain Type	Level
Measured or Base Free-Flow Speed	Measured	Percent Grade, %	-
Base Free-Flow Speed (BFFS), mi/h	-	Grade Length, mi	-
Lane Width, ft	-	Access Point Density, pts/mi	-
Median Type	-	Left-Side Lateral Clearance (LC_R), ft	-
Free-Flow Speed (FFS), mi/h	70.0	Total Lateral Clearance (TLC), ft	-

Direction 1 Adjustment Factors			
Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		

Direction 1 Demand and Capacity			
Volume (V) veh/h	916	Heavy Vehicle Adjustment Factor (f_{HV})	1.000
Peak Hour Factor	0.92	Flow Rate (V_p), pc/h/ln	498
Total Trucks, %	0.00	Capacity (c), pc/h/ln	2300
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2300
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.22

Direction 1 Speed and Density			
Lane Width Adjustment (f_{LW})	-	Average Speed (S), mi/h	70.0
Total Lateral Clearance Adj. (f_{LLC})	-	Density (D), pc/mi/ln	7.1
Median Type Adjustment (f_M)	-	Level of Service (LOS)	A
Access Point Density Adjustment (f_A)	-		

Direction 1 Bicycle LOS			
Flow Rate in Outside Lane (v_{OL}), veh/h	498	Effective Speed Factor (S_t)	5.07
Effective Width of Volume (W_v), ft	18	Bicyle LOS Score (BLOS)	2.48
Average Effective Width (W_e), ft	24	Bicycle Level of Service (LOS)	B

Direction 2 Geometric Data			
Direction 2			
Number of Lanes (N), ln	2	Terrain Type	Level
Measured or Base Free-Flow Speed	Measured	Percent Grade, %	-
Base Free-Flow Speed (BFFS), mi/h	-	Grade Length, mi	-
Lane Width, ft	-	Access Point Density, pts/mi	-
Median Type	-	Left-Side Lateral Clearance (LCR), ft	-
Free-Flow Speed (FFS), mi/h	70.0	Total Lateral Clearance (TLC), ft	-
Direction 2 Adjustment Factors			
Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		
Direction 2 Demand and Capacity			
Volume (V) veh/h	626	Heavy Vehicle Adjustment Factor (fHV)	1.000
Peak Hour Factor	0.92	Flow Rate (Vp), pc/h/ln	340
Total Trucks, %	0.00	Capacity (c), pc/h/ln	2300
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (cadj), pc/h/ln	2300
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.15
Direction 2 Speed and Density			
Lane Width Adjustment (fLW)	-	Average Speed (S), mi/h	70.0
Total Lateral Clearance Adj. (fLLC)	-	Density (D), pc/mi/ln	4.9
Median Type Adjustment (fM)	-	Level of Service (LOS)	A
Access Point Density Adjustment (fA)	-		
Direction 2 Bicycle LOS			
Flow Rate in Outside Lane (vOL), veh/h	340	Effective Speed Factor (St)	5.07
Effective Width of Volume (Wv), ft	18	Bicyle LOS Score (BLOS)	2.29
Average Effective Width (We), ft	24	Bicycle Level of Service (LOS)	B

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HCS Two-Lane Highway Report

Project Information			
Analyst	BSO	Date	9/12/2025
Agency	Tetra Tech	Analysis Year	Build Condition
Jurisdiction	Graves County	Time Analyzed	
Project Description	KY Route 849 - West of US Route 45	Units	U.S. Customary

Segment 1

Vehicle Inputs			
Segment Type	Passing Constrained	Length, ft	5280
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	15.0

Demand and Capacity			
Directional Demand Flow Rate, veh/h	337	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.92	Total Trucks, %	0.00
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.20

Intermediate Results			
Segment Vertical Class	1	Free-Flow Speed, mi/h	53.6
Speed Slope Coefficient (m)	3.46258	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.34645	PF Power Coefficient (p)	0.74297
In Passing Lane Effective Length?	No	Follower Density, followers/mi/ln	2.9
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	5280	-	-	51.6

Vehicle Results			
Average Speed, mi/h	51.6	Percent Followers, %	45.1
Segment Travel Time, minutes	1.16	Adj. Follower Density, followers/mi/ln	2.9
Vehicle LOS	B		

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HCS Two-Lane Highway Report

Project Information			
Analyst	BSO	Date	9/12/2025
Agency	Tetra Tech	Analysis Year	Build Condition
Jurisdiction	Graves County	Time Analyzed	
Project Description	KY Route 408 - West of KY Route 1241	Units	U.S. Customary

Segment 1

Vehicle Inputs			
Segment Type	Passing Constrained	Length, ft	5280
Lane Width, ft	9	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	20.0

Demand and Capacity			
Directional Demand Flow Rate, veh/h	355	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.92	Total Trucks, %	0.00
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.21

Intermediate Results			
Segment Vertical Class	1	Free-Flow Speed, mi/h	51.7
Speed Slope Coefficient (m)	3.36231	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.35802	PF Power Coefficient (p)	0.73761
In Passing Lane Effective Length?	No	Follower Density, followers/mi/ln	3.3
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	5280	-	-	49.8

Vehicle Results			
Average Speed, mi/h	49.8	Percent Followers, %	46.9
Segment Travel Time, minutes	1.20	Adj. Follower Density, followers/mi/ln	3.3
Vehicle LOS	B		

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Exhibit I

Decommissioning Plan and Reclamation Cost Estimate for the Mayfield Solar Project

Graves County, Kentucky

January 2026

Prepared for:

MYSO, LLC
515 N. Flagler Drive, Suite 250
West Palm Beach, FL 33401

Prepared by:

Tetra Tech, Inc.
4101 Cox Road, Suite 100
Glen Allen, VA 23060

TETRA TECH

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ATTACHMENTS

Appendix A. Reclamation Cost Estimate Summary
Appendix B. Detailed Reclamation Cost Estimate

1.0 INTRODUCTION

Tetra Tech, Inc. (Tetra Tech) was retained by MYSO, LLC (MYSO), a wholly owned subsidiary of BrightNight, to prepare a decommissioning plan and cost analysis (Study) as part of an application to the Kentucky State Board on Electric Generation and Transmission Siting (Siting Board) for the proposed Mayfield Solar Project (Project). The scope of this Study is to review the Project details and develop a decommissioning plan and associated cost estimate for retiring the Project facilities at the end of its useful life of an assumed 30 years. MYSO may upgrade components on the Project to extend the operational life of the Project, which would require that this Study also be updated. This decommissioning plan has been prepared in compliance with Kentucky Revised Statutes (KRS) 278.706(2)(m) stated herein:

> *A decommissioning plan that shall describe how the merchant electric generating facility will be decommissioned and dismantled following the end of its useful life. The decommissioning plan shall, at a minimum, include plans to:*
>
> *1. Unless otherwise requested by the landowner, remove all above-ground facilities;*
>
> *2. Unless otherwise requested by the landowner, remove any underground components and foundations of above-ground facilities. Facilities removed under this subparagraph shall be removed to a depth of three (3) feet below the surface grade of the land in or on which the component was installed, unless the landowner and the applicant otherwise agree to a different depth;*
>
> *3. Return the land to a substantially similar state as it was prior to the commencement of construction;*
>
> *4. Unless otherwise requested by the landowner, leave any interconnection or other facilities in place for future use at the completion of the decommissioning process;*
>
> *5. Secure a bond or other similar security for the project to assure financial performance of the decommissioning obligation, provided that:*
>
> *a. The amount of the proposed bond or similar security shall be determined by an independent, licensed engineer who is experienced in the decommissioning of solar electric generating facilities and has no financial interest in either the merchant electric generating facility or any parcel of land upon which the merchant electric generating facility is located. The proposed amount of the bond or similar security shall be either:*
>
> *i. The net present value of the total estimated cost of completing the decommissioning plan, less the current net salvage value of the merchant electric generating facility's components; or*
>
> *ii. The bond amount required by a county or municipal government that has established a decommissioning bond requirement or similar security obligation in the county or municipality where the merchant electric generating facility will be located. If the facility will be located in more than one (1) county or municipality that has established a decommissioning bond or similar security obligation, then the higher amount shall be required for the facility;*
>
> *b. The bond or other similar security names:*
>
> *i. For property that is leased by the applicant, each landowner from whom the applicant leases land and the Energy and Environment Cabinet as the primary co-beneficiaries;*

or

ii. For property that is owned by the applicant, the Energy and Environment Cabinet as the primary beneficiary;

c. If the merchant electric generating facility is to be located in a county or municipality that has not established a decommissioning bond or other similar security obligation, the bond or other similar security shall name the county or municipality as a secondary beneficiary with the county's or municipality's consent;

d. The bond or other similar security shall be provided by an insurance company or surety that shall at all times maintain at least an "Excellent" rating as measured by the AM Best rating agency or an investment grade credit rating by any national credit rating agency and, if available, shall be noncancelable by the provider or the customer until completion of the decommissioning plan or until a replacement bond is secured; and

e. The bond or other similar security shall provide that at least thirty (30) days prior to its cancellation or lapse, the surety shall notify the applicant, its successor or assign, each landowner, the Energy and Environment Cabinet, and the county or city in which the facility is located of the impending cancellation or lapse. The notice shall specify the reason for the cancellation or lapse and provide any of the parties, either jointly or separately, the opportunity to cure the cancellation or lapse prior to it becoming effective. The applicant, its successor, or its assign shall be responsible for all costs incurred by all parties to cure the cancellation or lapse of the bond. Each landowner, or the Energy and Environment Cabinet with the prior approval of each landowner, may make a demand on the bond and initiate and complete the decommissioning plan.

6. Communicate with each affected landowner at the end of the merchant electric generating facility's useful life so that any requests of the landowner that are in addition to the minimum requirements set forth in this paragraph and in addition to any other requirements specified in the lease with the landowner may, in the sole discretion of the applicant or its successor or assign, be accommodated; and

7. Incorporate the requirements of subparagraphs 1. to 6. of this paragraph into the applicant's leases with landowners.

To the extent applicable laws and regulations in the future conflict with this Study, such laws and regulations may apply in lieu of the applicable portion of this Study. Project decommissioning may be triggered by events such as the end of a power purchase agreement or when the Project reaches the end of its operational life. KRS 224.10-285 requires that decommissioning activities be completed within 18 months of the Project ceasing to produce electricity for sale unless the deadline has been extended by the Secretary. Monitoring may extend beyond this period to ensure successful revegetation and rehabilitation.

2.0 PROJECT DESCRIPTION

The Mayfield Solar Project is anticipated to generate 200 megawatts alternating current (MWac) of solar energy. The Project will be located at 36°53'55.85" N latitude and 88°39'42.45" W longitude on various rural and agricultural tax parcels in Graves County, approximately 10 miles north of Mayfield, Kentucky. The total Project area is approximately 1,342 acres.

Construction of the Project will include the installation of bifacial photovoltaic (PV) solar panels mounted on a single axis tracking system, collection cables, inverters, medium-voltage (MV) transformers, foundations, circuit breakers and disconnect switches, a substation, and other supporting facilities. The perimeter of the solar facility will be secured using farm-style wire fencing with wooden posts. The perimeter of the proposed substation will be secured using chain linked fencing with barbed wire. On-site access will be controlled via locked access gates. The Project facilities are described in more detail below.

2.1 PHOTOVOLTAIC SOLAR PANELS

The preliminary design provided by MYSO assumes the Project will use Jinko Solar 66HL4M-DBV N-Type bifacial solar panel modules, each having a capacity of 625 watts. The exact model and quantity of PV solar panel modules will be finalized during the detailed engineering phase.

PV solar panels will be installed on tracker tables that run north to south and are fixed to the ground on a racking system which includes pile foundations. A motor is affixed to a central pile that provides mechanical torque to multiple tracker tables for the panels to track the movement of the sun from east to west. Direct current (DC) electrical power that is collected by solar modules is delivered to nearby inverters via underground or aboveground DC feeder cables.

2.2 INVERTERS AND TRANSFORMERS

The preliminary design provided by MYSO assumes the Project will use Sungrow SG4400UD-MV-US inverters, each having a capacity of 4400 kilowatts, and associated MV transformers. The exact model and quantity of inverter and transformer pads will be finalized during the detailed engineering phase.

Approximately 55 inverters and transformers will be located adjacent to solar array blocks. Each inverter and transformer pad will be a part of a manufactured skid foundation that is mounted on reinforced concrete slabs or steel piles. The skid foundations will have a footprint that measures approximately 20 feet by 9.5 feet and will not exceed 9 feet in height including the 1-foot concrete foundations. DC electrical power received by the inverters is converted into AC electrical power and delivered to the Project substation via overhead and underground MV collection feeder cables.

2.3 COLLECTION SYSTEM AND PROJECT SUBSTATION

Collection cables from the inverters will converge at the corners of each of the parcels of solar array blocks and will lead underground to the proposed Project substation. Feeder cables will enter the substation via conduit and route to the feeder breakers. The substation will require a power transformer, overhead buses, and circuit breakers with revenue-grade metering accuracy upstream of the breakers. The associated switching station will require an isolator, overhead buses, a switch, a circuit breaker, and miscellaneous supporting equipment to function at 161-kilovolts (kV) of power and transfer electricity to the proposed transmission line.

The concrete foundation equipment pad for the substation is anticipated to be approximately 238 feet long and 138 feet wide. Metering and control equipment will be installed in the substation control house, and

underground fiber optic communication cables will run between the control house and the solar inverters. Project data and control signals will be transmitted over the internet to a remote control center, where the Project will be remotely monitored and controlled 24 hours a day / 7 days a week.

2.4 OPERATIONS AND MAINTENANCE BUILDING

The on-site Operations and Maintenance (O&M) building will have a footprint that measures approximately 30 feet by 50 feet; however, the dimensions will be finalized during the detailed engineering phase.

2.5 ANTICIPATED LIFE OF PROJECT

Typical PV modules have an estimated useful lifetime of 30 years, with an opportunity for a lifetime of 40 years or more with equipment replacement and repowering. This Project is developed in such a way that components may be upgraded—up to and including full repowering—with minor service interruptions. However, at this phase of the Project the anticipated life is to be 30 years. If the Project undergoes a repowering update, MYSO will update this decommissioning plan at that time.

3.0 DECOMMISSIONING PROCESS DESCRIPTION

Decommissioning and restoration activities will adhere to the requirements of appropriate governing authorities and will be performed in accordance with applicable federal, state, and local permits. The decommissioning and restoration process includes removal of all aboveground structures; removal of below-ground structures up to a depth of 3 feet, unless otherwise requested by the landowner; and re-grading and re-seeding disturbed areas and otherwise returning the land to a substantially similar state as it was prior to the commencement of construction.

The process of removing structures involves evaluating and separating components and materials into categories of recondition and reuse, salvage, recycling, or disposal. In the interest of increasing efficiency and reducing transportation costs/duration, components and material may be stored on-site in a pre-approved location until the bulk of similar components or materials are ready for transport. The components and material will be transported to the appropriate facilities for reconditioning (if possible), salvage, recycling, or disposal. The Project components will be dismantled and removed using minimal impact conventional construction equipment.

It is assumed that the Project would incur costs for removal and disposal of the PV arrays and other Project facilities as well as costs for the restoration of the Project area. Above-grade steel, aluminum, and copper materials typical have significant scrap value to a salvage contractor. Recyclable materials will be recycled to the extent possible, while other non-recyclable waste materials will be disposed of in accordance with state and federal law.

3.1 PV ARRAY REMOVALS

Approximately 521,416 solar modules and the associated tracking racking system and buried underground conductors will be removed via manual labor. The demolition debris and removed components will be mechanically dismantled into pieces that can be safely lifted or carried with the on-site equipment being used. It is assumed that glass and steel will be processed for transportation and delivered to an off-site recycling center. Above-grade steel, aluminum, silicon, and copper will be sent to an approved salvage contractor. PV panels will be disposed of in an approved landfill near the Project at the end of their useful life. The preliminary design assumes that all underground cables associated with the PV array will be removed to a depth of 3 feet below the ground surface at the end of its useful life. Inverters, controls systems, auxiliary power transformers, and other electronic equipment will either be reused, returned to the original equipment manufacturers for reuse as refurbished or spare parts, or recycled.

3.2 RACKING AND FENCING

The one-in-portrait (1P) tracker racking system consists of approximately 6,083 total trackers: 404 one-string trackers, 1,372 two-string trackers, 1,754 three-string trackers, and 2,553 four-string trackers. The perimeter of the solar facility will be secured using approximately 163,768 linear feet of 8-foot farm style wire fencing with wooden posts. Racking and fencing material will be removed with excavators or broken down into manageable units, loaded into trucks, transferred from the Project area, and sent to an approved recycler or salvage contractor. This includes any rack-mounted cables located aboveground. Racking piles and fencing driven into the ground will be disassembled and removed in their entirety.

3.3 PROJECT SUBSTATION

The Project will include a substation, which will remain in place for future use unless otherwise requested by the landowner in accordance with KRS 278.706(2)(m)(4). To be conservative in this assessment, the

decommissioning costs have accounted for a potential future decommissioning of the substation, should it be requested at a later date by the landowner. If decommissioned, the substation may be sold for re-use or salvage. Components that cannot be salvaged will be transported off-site for recycling or disposal at an approved waste management facility. The prefabricated control enclosure and electronic components of the substation equipment will be electrically disconnected and made safe for removal. The control enclosure will then be disassembled and removed from the site. The transformers, breakers, bus work, and metal dead-end structures will also be disassembled and removed. The main power transformer's insulating oil will be drained and transferred to a licensed disposal facility.

Concrete foundations and containment curbs for the transformers may be removed in their entirety if more cost effective and broken into pieces. Disposal of structures, materials, waste, and/or foundations (both hazardous and non-hazardous materials) shall meet the provisions of local, state, and federal ordinances. The area will be thoroughly cleaned, and all debris removed.

3.4 ACCESS ROADS

Within the Project's limits of disturbance (LOD), gravel access and on-site roads will be removed and restored as part of decommissioning and will be one of the last Project components to be removed. Per KRS 278.706(2)(m)(1), all aboveground facilities, which includes roads, need to be removed unless requested by the landowner. Approximately 93,000 linear feet of access roads will be removed during decommissioning. The preliminary design assumes the basin access roads will be 10 feet wide, internal access roads will be 16 feet wide, and substation access roads will be 20 feet wide. The processed stone access roads will be stripped exposing the geotextile fabric beneath (if applicable). The geotextile fabric will then be removed and disposed of to reveal the original soil surface. Asphalt portions of access routes will be removed and disposed of. The compacted soil beneath the road fill may require ripping with a subsoiler plow to loosen it before it can be revegetated. Former roads and other disturbed areas will be regraded and re-seeded with native vegetation.

4.0 SITE RESTORATION PROCESS DESCRIPTION

Once any personal property of the Project owner and the Project's existing structures and ancillary facilities have been removed, site restoration activities will take place in compliance with the regulatory framework outlined at the time of decommissioning. The goal of site restoration is to restore the topography, vegetative cover, and hydrologic function of the site to a substantially similar condition as it was prior to commencing construction of the Project.

4.1 SITE RECONTOURING

Prior to removal of structures, topsoil will be removed from all work areas (to the furthest extent possible) and stockpiled, clearly designated, and separated from other excavated material. Prior to topsoil replacement, all rocks 3 inches or greater will be removed from the surface of the subsoil. The topsoil will be de-compacted to match the density and consistency of the immediate surrounding area. The topsoil will be replaced to original depth, and original surface contours reestablished, where possible. Any topsoil deficiency and trench settling will be mitigated with additional topsoil (purchased and transported to site or borrowed from elsewhere on site) consistent with the quality of the affected area.

Re-contouring of the site will be conducted using standard grading equipment to return the site to a condition as close as possible to that of the site prior to the installation of the Project. Grading activities will be limited to disturbed areas that require re-contouring. Fills will be compacted to approximately 85% relative compaction by wheel or track rolling to avoid over-compaction of the soils. Best management practices (BMPs) will be implemented to provide erosion and sediment control until revegetation efforts have sufficiently stabilized the soil.

4.2 DRAINAGE RESTORATION

Conceptual stormwater basins are included in the Project for the preliminary design; however, the exact drainage and BMP methods will be finalized during the detailed engineering phase. Water quality permits, construction stormwater permits, erosion control plan, stormwater management plan, and a Stormwater Pollution Prevention Plan (SWPPP) will be obtained as part of the final design to prevent excessive erosion during construction and decommissioning.

All installed stormwater BMPs will be decommissioned as part of the drainage restoration effort unless otherwise requested by the landowners. Berms are assumed to be re-graded and recontoured to fill the stormwater basins to ensure pre-construction drainage patterns and release rates can be maintained. Future verification during the detailed engineering phase is needed to factor in the disposal of any concrete or steel associated with the risers and outfall pipes into the cost estimate.

4.3 REVEGETATION

Approximately 470 acres (35% of the Project's total area of disturbance) is assumed to be revegetated to prevent erosion during decommissioning with a seed mix agreed upon with the Commonwealth of Kentucky, Graves County Conservation District, and/or applicable local, state, or federal agencies, such as the Natural Resources Conservation Service (NRCS, located in Mayfield, Kentucky) or U.S. Department of Agriculture. These areas will be restored to a condition and forage density substantially similar to the original condition prior to the installation of the Project. In all areas, restoration will include, as reasonably required, leveling, terracing, mulching, and other necessary steps to prevent soil erosion, to ensure establishment of suitable grass and forbs, and to control noxious weeds. Reseeding shall continue until the damaged native grass

area has been fully reseeded and reclaimed. Land restoration activities must be completed within 18 months to be compliant with KRS 224.10-285.

Project owner will cooperate with other existing or future lessees or permittees to control and eradicate noxious weeds associated with the Project site and decommissioning, including cost sharing in weed control and eradication for up to one year after the Project lease is terminated. Said cost sharing is at the sole discretion of the Commonwealth of Kentucky.

5.0 PROJECT DECOMMISSIONING COSTS AND BONDING

At the end of the Project's useful life, assumed to be approximately 30 years, the decommissioning of the Project shall take place in accordance with KRS 278.706(2)(m) and any applicable administrative regulations. In an abundance of caution, this estimate includes the decommissioning of the Project substation, which will remain in place in accordance with KRS 278.706(2)(m)(4) unless otherwise requested by the landowner. The above-grade steel structures, electrical wiring, and other components are assumed to have significant scrap value which will offset a portion of the cost to remove these items. Following the removal of salvageable equipment and disposal of other items, the Project owner will also incur costs for removal and disposal of the PV panels, foundations, and other non-recyclable Project facilities, and these activities will impact the cost of the restoration of the site.

The decommissioning cost estimate provided herein includes the costs to return the site to a substantially similar state as it was prior to commencing construction of the Project. Included in the estimate are the costs to decommission the power generating equipment and retire the Project facilities, including removing all equipment and structures. These costs are offset by the estimated revenue credit that will be received for scrap value of steel, aluminum, and copper materials; resale of the Project facilities for reuse is not considered. Credit for recycling the PV modules has not been included, given that the market value of recycled PV modules is currently unknown and subject to fluctuation over the useful life of the Project.

The estimated decommissioning costs for the Project were prepared using information from a variety of credible industry sources which are further detailed in Section 5.2. As summarized in Appendix A, the estimated cost of decommissioning the Project in 2025 US dollars is $11,587,439.86.

5.1 FINANCIAL ASSURANCE

MYSO is required to issue a performance bond or similar security in compliance with the requirements of KRS 278.706(2)(m)(5). The performance bond shall consist of cash, a letter of credit, surety bond, or other financial sureties as may be approved by the Siting Board and the Energy and Environment Cabinet. To identify any changes in the estimated net salvage cost of decommissioning the Project, the estimate will be reviewed and updated every five years. Should the five-year review indicate an increase is warranted, the bond amount may be increased proportionate to the rise in these costs.

The bond can be used to satisfy any MYSO obligation under the lease agreements, including but not limited to, payments owed under the lease agreement, the removal of all Mayfield Solar Project improvements, and reclamation as required by decommissioning. MYSO will secure a decommissioning bond or similar security to assure financial performance of its decommissioning obligations. The amount of the proposed bond shall be the net present value of the total estimated cost of completing the decommissioning plan, less the salvage value of the facility's components. For lands leased by the Applicant, the bond or similar security will name the landowner and Energy and Environment Cabinet (Cabinet) as co-beneficiaries, with Graves County named as secondary beneficiaries once consent is secured. For land owned by the Applicant, the bond or similar security will name the Cabinet as the primary beneficiary. The bond or similar security will be provided by an insurance company or surety that shall maintain at all times at least an "Excellent" rating as measured by the AM Best rating agency or an investment grade credit rating by any national credit rating agency, and, if available, shall be non-cancelable by the provider or customer until the completion of the decommissioning plan or until a replacement bond is secured.

The bond or other similar security shall provide that at least 30 days prior to its cancellation or lapse, the surety shall notify the applicant, its successor or assign, each landowner, the Cabinet, and the county or city in which the facility is located of the impending cancellation or lapse. The notice shall specify the reason for the cancellation or lapse and provide any of the parties, either jointly or separately, with the opportunity

to cure the cancellation or lapse prior to it becoming effective. The applicant, its successor, or its assign, shall be responsible for all costs incurred by all parties to cure the cancellation or lapse of the bond. Each landowner, or the Energy and Environment Cabinet with the prior approval of each landowner, may make a demand on the bond and initiate and complete the decommissioning plan. The Applicant will communicate with each affected landowner at the end of the Project's useful life so that any requests of the landowner for the decommissioning phase in addition to minimal requirements under KRS 278.706(2)(m) or those specified in the individual lease may, in the sole discretion of the Applicant or its successor or assign, be accommodated.

5.2 RECLAMATION COST ESTIMATE ASSUMPTIONS

Decommissioning of the Project was broken into individual tasks that were each estimated separately. Each task includes labor requirements, equipment needs, and duration. Production rates were established using professional experience and published standards included on InEight software. Labor rates prevalent to the geographic area of the Project were obtained by referencing U.S. Department of Labor wage determinations. Typical average markups that are industry standard were applied for contingency, overhead, and fee. Detailed cost estimates are provided in Appendix B.

Estimating methods and assumptions specific to this cost estimate are as follows:

- Labor costs are developed by reviewing U.S. Department of Labor wage determinations and rates published by InEight. An average rate is developed that includes base wage, fringe, and payroll tax liability. The final rate used in the estimate is an average of 40 hours standard time and 10 hours overtime per week, assuming a 50-hour work week for the duration of decommissioning.
- Equipment (commonly referred to as yellow iron) rates used in the estimate are developed by reviewing rates published by InEight and historical vendor quotes. Rates include fuel, maintenance, and wear and tear of ground engaging components. Rates assume the use of rented equipment.
- Mobilization and demobilization costs are estimated to be approximately 2% of the overall contractor's costs. These reflect the actual costs to mobilize equipment, facilities, and crew to the Project site. This amount does not include the front loading of cost from other tasks.
- Work was estimated on a unit cost basis and priced by task, following the progression of work from start to finish. Unit costs were developed by including the labor, equipment, and production rate required for each individual task. InEight and estimator's experience were used to establish the crew, equipment, and production for each individual task.
- Roads will be restored to become a part of the natural surroundings to a substantially similar state as it was prior to commencing construction. Road gravel will be used to backfill foundation locations to within 6 inches of final grade. It is expected that the remaining road gravel will be accepted by local receivers with no additional disposal cost. Roads that existed on private land prior to installation of the Project, if any, will be restored at the request of the current landowner.
- All concrete foundations will be removed to a depth of 3 feet unless the landowner and applicant otherwise agree to a different depth. Gravel from road removal will be used as backfill to bring the top of grade to within 6 inches of final grade and then completed with an additional 6 inches of topsoil.
- Concrete foundation removal will be accomplished using excavators with concrete breakers.
- Processed concrete will be transported off site under the same assumptions as road gravel.
- The BESS facility was not incorporated into this reclamation cost estimate.

- Any interconnection or other facilities will be left in place unless otherwise requested by the landowner. In an abundance of caution, this estimate includes the decommissioning of the Project substation.
- All underground electrical collection system cabling will be removed to a depth of 3 feet.
- Oil from transformers will be drained prior to removal, and the oil disposed of following state and federal regulations. Oil disposal cost was assumed to be $4 per gallon.
- Final restoration will include the placement of 6 inches of topsoil on all disturbed areas, with a final seeding utilizing a mix of grasses as agreed to and described in Section 4.3. It is assumed that 35% of the topsoil required for restoration is available on site as a result of the original installation.
- The costs for temporary facilities were included in the restoration cost. These include one office trailer, one Conex storage unit, four portable toilets, first aid supplies, and all necessary utilities.
- Field management during construction activities was added to the estimate. These costs include one superintendent and one field engineering technician. These positions are critical to the safe and successful execution of work.
- The contractor's home office, Project management, overhead, and fee can vary widely by contractor. As such, averages were developed for the estimate and added as a percentage of total cost. These include 5% for home office and Project management and 13% for overhead and fee.
- Other miscellaneous costs were approximated, including permits, engineering, signage, fencing, traffic control, utility disconnects, etc. In the context of the overall estimate, these are incidental costs that are covered in the estimate markups.

6.0 SIGNATURE OF ENGINEERING PROFESSIONAL

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Jessica Hare, P.E.
Project Engineer

APPENDIX A. RECLAMATION COST ESTIMATE SUMMARY

CBS Position Code	Description	Forecast (T/O) Quantity	Unit of Measure	Unit Cost	Total Cost (Forecast)
1	**BRIGHT NIGHT MAYFIELD SOLAR RETIREMENT**	**1.00**	**Lump Sum**	**$11,587,439.86**	**$11,587,439.86**
1.1	**Equipment & Facilities Mob / Demob**	**1.00**	**Lump Sum**	**$135,868.00**	**$135,868.00**
1.1.1	Equipment Mob	1.00	Lump Sum	$61,200.00	$61,200.00
1.1.2	Site Facilities	1.00	Lump Sum	$2,200.00	$2,200.00
1.1.3	Crew Mob & Site Setup	3.00	Day	$14,493.60	$43,480.80
1.1.4	Crew Demob & Site Cleanup	2.00	Day	$14,493.60	$28,987.20
1.2	**Project Site Support**	**10.00**	**Month**	**$55,801.60**	**$558,015.96**
1.2.1	Site Facilities	10.00	Month	$1,305.00	$13,050.00
1.2.2	Field Management	10.00	Month	$54,496.60	$544,965.96
1.3	**Substation Retirement**	**1.00**	**Lump Sum**	**$187,264.74**	**$187,264.74**
1.3.1	Fence Removal	1.00	Day	$1,359.20	$1,359.20
1.3.2	Transformer Removal	1.00	Each	$95,220.40	$95,220.40
1.3.3	Remove Control Building & Switchgear	1.00	Each	$5,303.60	$5,303.60
1.3.4	UG Utility & Ground Removal	2.00	Day	$1,359.20	$2,718.40
1.3.5	Remove Foundations To Subgrade	500.00	Cubic Yard	$28.45	$14,222.93
1.3.6	Misc. Material Disposal	1.00	Lump Sum	$2,200.00	$2,200.00
1.3.7	Restore Yard	1.00	Lump Sum	$66,240.21	$66,240.21
1.4	**O&M Building Removal**	**1.00**	**Lump Sum**	**$27,989.32**	**$27,989.32**
1.4.1	Structure Demo	60.00	Ton	$260.84	$15,650.40
1.4.2	Remove Foundations To Subgrade	100.00	Cubic Yard	$36.39	$3,638.92
1.4.3	Trucking - Per Load	3.00	Each	$1,500.00	$4,500.00
1.4.4	Disposal Cost	60.00	Ton	$70.00	$4,200.00
1.5	**Inverter / Transformer Removal**	**55.00**	**Each**	**$1,830.22**	**$100,662.10**
1.5.1	Disconnect Electrical	55.00	Each	$112.53	$6,189.15
1.5.2	Loadout Inverter & Transformer	55.00	Each	$217.69	$11,972.95
1.5.3	Trucking - Per Load	55.00	Each	$1,500.00	$82,500.00
1.6	**Inverter / Transformer Support Pile Removal**	**55.00**	**Each**	**$421.27**	**$23,169.80**
1.6.1	Excavate / Remove Piles	55.00	Each	$230.36	$12,669.80
1.6.2	Trucking - Per Load	7.00	Each	$1,500.00	$10,500.00
1.7	**Solar Array Retirement**	**1.00**	**Lump Sum**	**$10,961,426.61**	**$10,961,426.61**
1.7.1	Fence Removal	163,768.00	Linear Feet	$1.21	$197,832.87
1.7.2	Solar Panel Removal & Disposal / Recycling	521,416.00	Each	$8.19	$4,269,462.00
1.7.3	Solar Rack (Trackers) & Post Removal	18,622.00	Each	$348.73	$6,494,131.74
1.8	**Site Restoration - Partial Site Seeding**	**1.00**	**Lump Sum**	**$898,420.07**	**$898,420.07**
1.8.1	Strip & Decompact Roads	92,700.00	Linear Feet	$1.45	$134,400.17
1.8.2	Spot Grade Disturbed Areas	470.00	Acre	$286.25	$134,537.50
1.8.3	Re-Seed With Native Vegetation - Roads & Areas Disturbed By Construction	470.00	Acre	$1,000.00	$470,000.00
1.8.4	Restore Stormwater Basins	87,263.00	Cubic Yard	$1.83	$159,482.40
1.9	**Contractor Markups**	**1.00**	**Lump Sum**	**$2,404,510.26**	**$2,404,510.26**
1.9.1	Home Office, Project Management (5% Of Cost)	1.00	Lump Sum	$644,640.85	$644,640.85
1.9.2	Contractor OH & Fee (13% Of Cost)	1.00	Lump Sum	$1,759,869.41	$1,759,869.41
1.10	**Scrap Metal Credit**	**1.00**	**Lump Sum**	**-$3,709,887.00**	**-$3,709,887.00**
1.10.1	Scrap Credit - Substation	180.00	Ton	-$283.00	-$50,940.00
1.10.2	Scrap Credit - Fence	328.00	Ton	-$283.00	-$92,824.00
1.10.3	Scrap Credit - Module Rack	9,311.00	Ton	-$283.00	-$2,635,013.00
1.10.4	Scrap Credit - Inverter & Transformer	825.00	Ton	-$283.00	-$233,475.00
1.10.5	Scrap Credit - O&M Structure	10.00	Ton	-$283.00	-$2,830.00
1.10.6	Scrap Credit - Support Piles	335.00	Ton	-$283.00	-$94,805.00
1.10.7	Scrap Credit - Cable	200.00	Ton	-$3,000.00	-$600,000.00

APPENDIX B. DETAILED RECLAMATION COST ESTIMATE

Estimate Summary
TETRA TECH, INC.
Job Code: Bright Night Mayfield Solar
Description: Decommissioning Estimate

CBS Position Code	Quantity	UM	Cost Item Description	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
1	1.00	Lump Sum	BRIGHT NIGHT MAYFIELD SOLAR RETIREMENT	0.00	Detail	U.S. Dollar	11,587,439.86	11,587,439.86
1.1	1.00	Lump Sum	Equipment & Facilities Mob / Demob	0.20	Detail	U.S. Dollar	135,868.00	135,868.00
1.1.1	1.00	Lump Sum	Equipment Mob	0.00	Detail	U.S. Dollar	61,200.00	61,200.00

Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost
UERNTRLG	Rental Equip Transp-Large		6.00	Each	U.S. Dollar	10,000.00	60,000.00
UERNTRSM	Rental Equip Transp-Small		8.00	Each	U.S. Dollar	150.00	1,200.00

1.1.2	1.00	Lump Sum	Site Facilities	0.00	Detail	U.S. Dollar	2,200.00	2,200.00

Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost
UOCONMOB	Connex Box Mob		2.00	Each	U.S. Dollar	300.00	600.00
UOTRLTRN	Trailer Trnsp/Setup/Trdwn		2.00	Each	U.S. Dollar	800.00	1,600.00

1.1.3	3.00	Day	Crew Mob & Site Setup	1.00	Detail	U.S. Dollar	14,493.60	43,480.80

Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost
L060100	GENERAL LABORER	720.00	24.00	Each (hourly)	U.S. Dollar	46.97	33,818.40
L010101	OPERATOR	180.00	6.00	Each (hourly)	U.S. Dollar	53.68	9,662.40

1.1.4	2.00	Day	Crew Demob & Site Cleanup	1.00	Detail	U.S. Dollar	14,493.60	28,987.20

Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost
L060100	GENERAL LABORER	480.00	24.00	Each (hourly)	U.S. Dollar	46.97	22,545.60
L010101	OPERATOR	120.00	6.00	Each (hourly)	U.S. Dollar	53.68	6,441.60

1.2	10.00	Month	Project Site Support	0.05	Detail	U.S. Dollar	55,801.60	558,015.96
1.2.1	10.00	Month	Site Facilities	0.00	Detail	U.S. Dollar	1,305.00	13,050.00

Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost
URCONNEX	Connex Box		10.00	Month	U.S. Dollar	150.00	1,500.00
UROFFTRL	Office Trailer -12x60		10.00	Month	U.S. Dollar	500.00	5,000.00
UO1STAID	1st Aid Supplies		10.00	Month	U.S. Dollar	300.00	3,000.00
UOOFFSUP	Office Supplies($/prs/mo)		10.00	Month	U.S. Dollar	55.00	550.00
URPRTAJH	Port-a-John Unit(s) (4)		10.00	Month	U.S. Dollar	300.00	3,000.00

1.2.2	10.00	Month	Field Management	0.05	Detail	U.S. Dollar	54,496.60	544,965.96

Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost
L90FXX02	Field - Proj Superintendent	2,200.00	1.00	Each (hourly)	U.S. Dollar	125.40	275,880.00
RPUTRK05	F-250 4X4 3/4 TON PICKUP	4,400.00	2.00	Each (hourly)	U.S. Dollar	11.88	52,272.00
L90FEL00	Field - Engr. Tech	2,200.00	1.00	Each (hourly)	U.S. Dollar	98.55	216,813.96

1.3	1.00	Lump Sum	Substation Retirement	0.04	Detail	U.S. Dollar	187,264.74	187,264.74
1.3.1	1.00	Day	Fence Removal	1.00	Detail	U.S. Dollar	1,359.20	1,359.20

Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost
L010101	OPERATOR	10.00	1.00	Each (hourly)	U.S. Dollar	53.68	536.80
L060100	GENERAL LABORER	10.00	1.00	Each (hourly)	U.S. Dollar	46.97	469.70
RBACKH09	Deere 710J BACKHOE, 1.62CY	10.00	1.00	Each (hourly)	U.S. Dollar	35.27	352.70

1.3.2	1.00	Each	Transformer Removal	0.17	Detail	U.S. Dollar	95,220.40	95,220.40
1.3.2.1	1.00	Each	Oil Removal & Disposal	1.00	Detail	U.S. Dollar	58,439.40	58,439.40

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CBS Position Code	Quantity	UM	Description	Cost Item UM/Day	Cost Source	Currency	Unit Cost	Total Cost
1.3.2.1.1	1.00	Each	Oil Removal	1.00	Detail	U.S. Dollar	939.40	939.40

Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost
L060100	GENERAL LABORER	20.00	2.00	Each (hourly)	U.S. Dollar	46.97	939.40

1.3.2.1.2	14,000.00	Gallon	Oil Disposal	0.00	Detail	U.S. Dollar	4.00	56,000.00

Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost
USDISPOSAL	Disposal Fee's		56,000.00	Each	U.S. Dollar	1.00	56,000.00

1.3.2.1.3	1.00	Each	Trucking - Per Load	0.00	Detail	U.S. Dollar	1,500.00	1,500.00

Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost
USTRUCKING	Trucking Sub		1,500.00	Each	U.S. Dollar	1.00	1,500.00

1.3.2.2	1.00	Each	Dismantle & Loadout Transformer	0.20	Detail	U.S. Dollar	36,781.00	36,781.00

1.3.2.2.1	1.00	Each	Dismantle, Cut & Size	0.20	Detail	U.S. Dollar	30,781.00	30,781.00

Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost
L060100	GENERAL LABORER	200.00	4.00	Each (hourly)	U.S. Dollar	46.97	9,394.00
L010101	OPERATOR	100.00	2.00	Each (hourly)	U.S. Dollar	53.68	5,368.00
*REXCAV06A	Excav 100K w/ Bucket & Grapple	50.00	1.00	Each (hourly)	U.S. Dollar	129.71	6,485.50
*REXCAV06E	Excav 100K w/ Shear	50.00	1.00	Each (hourly)	U.S. Dollar	190.67	9,533.50

1.3.2.2.2	4.00	Each	Trucking - Per Load	0.00	Detail	U.S. Dollar	1,500.00	6,000.00

Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost
USTRUCKING	Trucking Sub		6,000.00	Each	U.S. Dollar	1.00	6,000.00

1.3.3	1.00	Each	Remove Control Building & Switchgear	1.00	Detail	U.S. Dollar	5,303.60	5,303.60

1.3.3.1	1.00	Each	Demo	1.00	Detail	U.S. Dollar	2,303.60	2,303.60

Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost
L060100	GENERAL LABORER	10.00	1.00	Each (hourly)	U.S. Dollar	46.97	469.70
L010101	OPERATOR	10.00	1.00	Each (hourly)	U.S. Dollar	53.68	536.80
*REXCAV06A	Excav 100K w/ Bucket & Grapple	10.00	1.00	Each (hourly)	U.S. Dollar	129.71	1,297.10

1.3.3.2	2.00	Each	Trucking - Per Load	0.00	Detail	U.S. Dollar	1,500.00	3,000.00

Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost
USTRUCKING	Trucking Sub		3,000.00	Each	U.S. Dollar	1.00	3,000.00

1.3.4	2.00	Day	UG Utility & Ground Removal	1.00	Detail	U.S. Dollar	1,359.20	2,718.40

Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost
L010101	OPERATOR	20.00	1.00	Each (hourly)	U.S. Dollar	53.68	1,073.60
L060100	GENERAL LABORER	20.00	1.00	Each (hourly)	U.S. Dollar	46.97	939.40
RBACKH09	Deere 710J BACKHOE, 1.62CY	20.00	1.00	Each (hourly)	U.S. Dollar	35.27	705.40

1.3.5	500.00	Cubic Yard	Remove Foundations To Subgrade	73.68	Detail	U.S. Dollar	28.45	14,222.93

1.3.5.1	500.00	Cubic Yard	Excavate / Remove Foundation - Various Depth	280.00	Detail	U.S. Dollar	16.08	8,038.93

Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost
L060100	GENERAL LABORER	17.86	1.00	Each (hourly)	U.S. Dollar	46.97	838.75
L010101	OPERATOR	35.71	2.00	Each (hourly)	U.S. Dollar	53.68	1,917.14
*REXCAV06C	Excav 100K w/ Hammer	17.86	1.00	Each (hourly)	U.S. Dollar	166.14	2,966.79

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CBS Position Code	Quantity	UM	Description	Cost Item	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
*REXCAV06A	Excav 100K w/ Bucket & Grapple			17.86	1.00 Each (hourly)	U.S. Dollar		129.71	2,316.25
1.3.5.2	500.00	Cubic Yard	Concrete Transport Offsite		100.00	Detail	U.S. Dollar	12.37	6,184.00
Resource Code	**Description**			**Hours**	**Quantity UM**	**Currency**		**Unit Cost**	**Total Cost**
RDUTRK06	CAT D350D, 18CY-24CY			50.00	1.00 Each (hourly)	U.S. Dollar		76.71	3,835.50
L080940	TEAMSTER			50.00	1.00 Each (hourly)	U.S. Dollar		46.97	2,348.50
1.3.6	1.00	Lump Sum	Misc. Material Disposal		0.00	Detail	U.S. Dollar	2,200.00	2,200.00
1.3.6.1	1.00	Each	Trucking - Per Load		0.00	Detail	U.S. Dollar	1,500.00	1,500.00
Resource Code	**Description**			**Hours**	**Quantity UM**	**Currency**		**Unit Cost**	**Total Cost**
USTRUCKING	Trucking Sub				1,500.00 Each	U.S. Dollar		1.00	1,500.00
1.3.6.2	10.00	Ton	Disposal Cost		0.00	Detail	U.S. Dollar	70.00	700.00
Resource Code	**Description**			**Hours**	**Quantity UM**	**Currency**		**Unit Cost**	**Total Cost**
USDISPOSAL	Disposal Fee's				700.00 Each	U.S. Dollar		1.00	700.00
1.3.7	1.00	Lump Sum	Restore Yard		0.12	Detail	U.S. Dollar	66,240.21	66,240.21
1.3.7.1	4.00	Acre	Backfill / Regrade		2.00	Detail	U.S. Dollar	1,708.72	6,834.87
Resource Code	**Description**			**Hours**	**Quantity UM**	**Currency**		**Unit Cost**	**Total Cost**
L060100	GENERAL LABORER			40.00	2.00 Each (hourly)	U.S. Dollar		46.97	1,878.80
L010101	OPERATOR			40.00	2.00 Each (hourly)	U.S. Dollar		53.68	2,147.20
REXCAV06B	Gradall - Excavator			20.00	1.00 Each (hourly)	U.S. Dollar		79.62	1,592.47
*RDOZER08	CAT D6 LGP Dozer			20.00	1.00 Each (hourly)	U.S. Dollar		60.82	1,216.40
1.3.7.2	2,000.00	Cubic Yard	Vegetative Cover		300.00	Detail	U.S. Dollar	27.70	55,405.33
1.3.7.2.1	2,000.00	Cubic Yard	Topsoil, Delivered		0.00	Detail	U.S. Dollar	20.00	40,000.00
Resource Code	**Description**			**Hours**	**Quantity UM**	**Currency**		**Unit Cost**	**Total Cost**
IMSOIL	Topsoil				2,000.00 Cubic Yard	U.S. Dollar		20.00	40,000.00
1.3.7.2.2	2,000.00	Cubic Yard	Placement		300.00	Detail	U.S. Dollar	7.70	15,405.33
Resource Code	**Description**			**Hours**	**Quantity UM**	**Currency**		**Unit Cost**	**Total Cost**
L010101	OPERATOR			133.33	2.00 Each (hourly)	U.S. Dollar		53.68	7,157.33
RDOZER08	CAT D6N XL			133.33	2.00 Each (hourly)	U.S. Dollar		61.86	8,248.00
1.3.7.3	4.00	Acre	Re-Seed With Native Vegetation		0.00	Detail	U.S. Dollar	1,000.00	4,000.00
Resource Code	**Description**			**Hours**	**Quantity UM**	**Currency**		**Unit Cost**	**Total Cost**
USLANDSCAPE	Landscape Sub				4.00 Acre	U.S. Dollar		1,000.00	4,000.00
1.4	1.00	Lump Sum	O&M Building Removal		0.23	Detail	U.S. Dollar	27,989.32	27,989.32
1.4.1	60.00	Ton	Structure Demo		20.00	Detail	U.S. Dollar	260.84	15,650.40
Resource Code	**Description**			**Hours**	**Quantity UM**	**Currency**		**Unit Cost**	**Total Cost**
*REXCAV06A	Excav 100K w/ Bucket & Grapple			30.00	1.00 Each (hourly)	U.S. Dollar		129.71	3,891.30
*REXCAV06E	Excav 100K w/ Shear			30.00	1.00 Each (hourly)	U.S. Dollar		190.67	5,720.10
L010101	OPERATOR			60.00	2.00 Each (hourly)	U.S. Dollar		53.68	3,220.80
L060100	GENERAL LABORER			60.00	2.00 Each (hourly)	U.S. Dollar		46.97	2,818.20
1.4.2	100.00	Cubic Yard	Remove Foundations To Subgrade		71.43	Detail	U.S. Dollar	36.39	3,638.92
1.4.2.1	100.00	Cubic Yard	Excavate / Remove Foundation - Various Depth		250.00	Detail	U.S. Dollar	18.01	1,800.72
Resource Code	**Description**			**Hours**	**Quantity UM**	**Currency**		**Unit Cost**	**Total Cost**
L060100	GENERAL LABORER			4.00	1.00 Each (hourly)	U.S. Dollar		46.97	187.88

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CBS Position Code	Quantity	UM	Description	Cost Item UM/Day	Cost Source	Currency	Unit Cost	Total Cost
L010101	OPERATOR			8.00	2.00 Each (hourly)	U.S. Dollar	53.68	429.44
*REXCAV06C	Excav 100K w/ Hammer			4.00	1.00 Each (hourly)	U.S. Dollar	166.14	664.56
*REXCAV06A	Excav 100K w/ Bucket & Grapple			4.00	1.00 Each (hourly)	U.S. Dollar	129.71	518.84
1.4.2.2	100.00	Cubic Yard	Concrete Transport Offsite	100.00	Detail	U.S. Dollar	18.38	1,838.20

Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost
RDUTRK06	CAT D350D, 18CY-24CY	10.00	1.00	Each (hourly)	U.S. Dollar	76.71	767.10
L080940	TEAMSTER	10.00	1.00	Each (hourly)	U.S. Dollar	46.97	469.70
L010101	OPERATOR	5.00	0.50	Each (hourly)	U.S. Dollar	53.68	268.40
RFELWH09	CAT 966F LOADER, 4.25CY	5.00	0.50	Each (hourly)	U.S. Dollar	66.60	333.00

1.4.3	3.00	Each	Trucking - Per Load	0.00	Detail	U.S. Dollar	1,500.00	4,500.00

Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost
USTRUCKING	Trucking Sub		4,500.00	Each	U.S. Dollar	1.00	4,500.00

Notes: **********
Assumption: 45,000 lbs per load
****

1.4.4	60.00	Ton	Disposal Cost	0.00	Detail	U.S. Dollar	70.00	4,200.00

Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost
USDISPOSAL	Disposal Fee's		4,200.00	Each	U.S. Dollar	1.00	4,200.00

1.5	55.00	Each	Inverter / Transformer Removal	5.00	Detail	U.S. Dollar	1,830.22	100,662.10
1.5.1	55.00	Each	Disconnect Electrical	10.00	Detail	U.S. Dollar	112.53	6,189.15

Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost
L010110	ELECTRCIAN	55.00	1.00	Each (hourly)	U.S. Dollar	53.68	2,952.40
L060100	GENERAL LABORER	55.00	1.00	Each (hourly)	U.S. Dollar	46.97	2,583.35
RPUTRK05	F-250 4X4 3/4 TON PICKUP	55.00	1.00	Each (hourly)	U.S. Dollar	11.88	653.40

1.5.2	55.00	Each	Loadout Inverter & Transformer	10.00	Detail	U.S. Dollar	217.69	11,972.95

Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost
L060100	GENERAL LABORER	110.00	2.00	Each (hourly)	U.S. Dollar	46.97	5,166.70
L010101	OPERATOR	55.00	1.00	Each (hourly)	U.S. Dollar	53.68	2,952.40
RHYDCR06	GROVE RT880 73 TON	55.00	1.00	Each (hourly)	U.S. Dollar	70.07	3,853.85

1.5.3	55.00	Each	Trucking - Per Load	0.00	Detail	U.S. Dollar	1,500.00	82,500.00

Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost
USTRUCKING	Trucking Sub		82,500.00	Each	U.S. Dollar	1.00	82,500.00

1.6	55.00	Each	Inverter / Transformer Support Pile Removal	10.00	Detail	U.S. Dollar	421.27	23,169.80
1.6.1	55.00	Each	Excavate / Remove Piles	10.00	Detail	U.S. Dollar	230.36	12,669.80

Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost
L060100	GENERAL LABORER	55.00	1.00	Each (hourly)	U.S. Dollar	46.97	2,583.35
L010101	OPERATOR	55.00	1.00	Each (hourly)	U.S. Dollar	53.68	2,952.40
*REXCAV06A	Excav 100K w/ Bucket & Grapple	55.00	1.00	Each (hourly)	U.S. Dollar	129.71	7,134.05

1.6.2	7.00	Each	Trucking - Per Load	0.00	Detail	U.S. Dollar	1,500.00	10,500.00

Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost
USTRUCKING	Trucking Sub		10,500.00	Each	U.S. Dollar	1.00	10,500.00

1.7	1.00	Lump Sum	Solar Array Retirement	0.00	Detail	U.S. Dollar	10,961,426.61	10,961,426.61
1.7.1	163,768.00	Linear Feet	Fence Removal	5,124.80	Detail	U.S. Dollar	1.21	197,832.87
1.7.1.1	163,768.00	Linear Feet	Fence Removal	5,124.80	Detail	U.S. Dollar	1.07	175,332.87

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CBS Position Code	Quantity	UM	Description	Cost Item UM/Day	Cost Source	Currency	Unit Cost	Total Cost

Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost
L010101	OPERATOR	958.68	3.00	Each (hourly)	U.S. Dollar	53.68	51,461.91
L060100	GENERAL LABORER	1,917.36	6.00	Each (hourly)	U.S. Dollar	46.97	90,058.34
RBACKH09	Deere 710J BACKHOE, 1.62CY	958.68	3.00	Each (hourly)	U.S. Dollar	35.27	33,812.62

1.7.1.2	15.00 Each	Trucking - Per Load	0.00	Detail	U.S. Dollar	1,500.00	22,500.00

Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost
USTRUCKING	Trucking Sub		22,500.00	Each	U.S. Dollar	1.00	22,500.00

1.7.2	521,416.00 Each	Solar Panel Removal & Disposal / Recycling	4,800.00	Detail	U.S. Dollar	8.19	4,269,462.00

1.7.2.1	521,416.00 Each	Solar Panel Removal	4,800.00	Detail	U.S. Dollar	3.31	1,724,062.00

Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost
RLIFTS05	JCB 508C, 8,000lbs FRKLFT	6,517.70	6.00	Each (hourly)	U.S. Dollar	22.96	149,646.39
L010101	OPERATOR	6,517.70	6.00	Each (hourly)	U.S. Dollar	53.68	349,870.14
L060100	GENERAL LABORER	26,070.80	24.00	Each (hourly)	U.S. Dollar	46.97	1,224,545.48

Notes: **********
Assumed production: 20 panels per laborer per hour,
Includes packaging and preparing for shipment offsite.
****

1.7.2.2	828.00 Each	Trucking - Per Load	0.00	Detail	U.S. Dollar	1,500.00	1,242,000.00

Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost
USTRUCKING	Trucking Sub		1,242,000.00	Each	U.S. Dollar	1.00	1,242,000.00

Notes: **********
Assumption: 45,000 lbs per load
****

1.7.2.3	18,620.00 Ton	Disposal / Recycling Cost	0.00	Detail	U.S. Dollar	70.00	1,303,400.00

Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost
USDISPOSAL	Disposal Fee's		1,303,400.00	Each	U.S. Dollar	1.00	1,303,400.00

Notes: **********
Assumption: 521,416 modules x 71.42 lbs each
****

1.7.3	18,622.00 Each	Solar Rack (Trackers) & Post Removal	119.36	Detail	U.S. Dollar	348.73	6,494,131.74

1.7.3.1	18,622.00 Each	Solar Rack (Trackers) & Post Removal	119.36	Detail	U.S. Dollar	318.17	5,924,881.74

Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost
L010101	OPERATOR	24,962.11	16.00	Each (hourly)	U.S. Dollar	53.68	1,339,966.09
L060100	GENERAL LABORER	12,481.06	8.00	Each (hourly)	U.S. Dollar	46.97	586,235.17
*REXCAV06A	Excav 100K w/ Bucket & Grapple	12,481.06	8.00	Each (hourly)	U.S. Dollar	129.71	1,618,917.68
*REXCAV06E	Excav 100K w/ Shear	12,481.06	8.00	Each (hourly)	U.S. Dollar	190.67	2,379,762.81

Notes: **********
Crew to include
1 excavator w/shear, 1 excavator w/grapple, 2 operators and 2
laborers. Includes post removal and sizing of steel for sale as scrap,
and loadout to haul trucks.
****

1.7.3.2	414.00 Each	Trucking - Per Load	0.00	Detail	U.S. Dollar	1,375.00	569,250.00

Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost
USTRUCKING	Trucking Sub		569,250.00	Each	U.S. Dollar	1.00	569,250.00

Notes: **********
Assumption: 45,000 lbs per load
****

1.8	1.00 Lump Sum	Site Restoration - Partial Site Seeding	0.01	Detail	U.S. Dollar	898,420.07	898,420.07

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CBS Position Code	Quantity	UM	Description	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
1.8.1	92,700.00	Linear Feet	Strip & Decompact Roads	2,500.00	Detail	U.S. Dollar	1.45	134,400.17

Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost
*RDOZER08	CAT D6 LGP Dozer	741.60	2.00	Each (hourly)	U.S. Dollar	60.82	45,104.11
L010101	OPERATOR	1,112.40	3.00	Each (hourly)	U.S. Dollar	53.68	59,713.63
*RFELWH08C	CAT 980 LOADER	370.80	1.00	Each (hourly)	U.S. Dollar	79.78	29,582.42

Notes: **********
Decompaction to include discing and regrading
Assume removed road base transported offsite at no charge
****

CBS Position Code	Quantity	UM	Description	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
1.8.2	470.00	Acre	Spot Grade Disturbed Areas	8.00	Detail	U.S. Dollar	286.25	134,537.50

Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost
*RDOZER08	CAT D6 LGP Dozer	1,175.00	2.00	Each (hourly)	U.S. Dollar	60.82	71,463.50
L010101	OPERATOR	1,175.00	2.00	Each (hourly)	U.S. Dollar	53.68	63,074.00

Notes: **********
Assumtion: 1342 acres total property area.
Assume that 35% of the area distrubed by construction
will be regraded.
****

CBS Position Code	Quantity	UM	Description	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
1.8.3	470.00	Acre	Re-Seed With Native Vegetation - Roads & Areas Disturbed By Construction	0.00	Detail	U.S. Dollar	1,000.00	470,000.00

Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost
USLANDSCAPE	Landscape Sub		470.00	Acre	U.S. Dollar	1,000.00	470,000.00

Notes: **********
Assumtion: 1342 acres total property area.
Assume that 35% of the area distrubed by construction
will be re-seeded.
****

CBS Position Code	Quantity	UM	Description	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
1.8.4	87,263.00	Cubic Yard	Restore Stormwater Basins	1,983.25	Detail	U.S. Dollar	1.83	159,482.40

Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost
*RDOZER08	CAT D6 LGP Dozer	880.00	2.00	Each (hourly)	U.S. Dollar	60.82	53,521.60
L010101	OPERATOR	1,320.00	3.00	Each (hourly)	U.S. Dollar	53.68	70,857.60
*RFELWH08C	CAT 980 LOADER	440.00	1.00	Each (hourly)	U.S. Dollar	79.78	35,103.20

CBS Position Code	Quantity	UM	Description	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
1.9	1.00	Lump Sum	Contractor Markups	0.00	Detail	U.S. Dollar	2,404,510.26	2,404,510.26
1.9.1	1.00	Lump Sum	Home Office, Project Management (5% Of Cost)	0.00	Detail	U.S. Dollar	644,640.85	644,640.85

Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost
USMARKUP5	5% Markup		12,892,817.00	Each	U.S. Dollar	0.05	644,640.85

CBS Position Code	Quantity	UM	Description	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
1.9.2	1.00	Lump Sum	Contractor OH & Fee (13% Of Cost)	0.00	Detail	U.S. Dollar	1,759,869.41	1,759,869.41

Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost
USMARKUP	13% Markup		13,537,457.00	Each	U.S. Dollar	0.13	1,759,869.41

CBS Position Code	Quantity	UM	Description	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
1.10	1.00	Lump Sum	Scrap Metal Credit	0.00	Detail	U.S. Dollar	(3,709,887.00)	(3,709,887.00)
1.10.1	180.00	Ton	Scrap Credit - Substation	0.00	Detail	U.S. Dollar	(283.00)	(50,940.00)

Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost
UODCFERROUS	Ferrous Metal Scrap		180.00	Ton	U.S. Dollar	(283.00)	(50,940.00)

CBS Position Code	Quantity	UM	Description	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
1.10.2	328.00	Ton	Scrap Credit - Fence	0.00	Detail	U.S. Dollar	(283.00)	(92,824.00)

Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost
UODCFERROUS	Ferrous Metal Scrap		328.00	Ton	U.S. Dollar	(283.00)	(92,824.00)

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CBS Position Code	Quantity	UM	Description	Cost Item UM/Day	Cost Source	Currency	Unit Cost	Total Cost

Notes: **********
Assume 4 lbs per ft fence
****

1.10.3	9,311.00	Ton	Scrap Credit - Module Rack	0.00	Detail	U.S. Dollar	(283.00)	(2,635,013.00)

Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost
UODCFERROUS	Ferrous Metal Scrap		9,311.00	Ton	U.S. Dollar	(283.00)	(2,635,013.00)

Notes: **********
Assume 1000 Lbs per string w/ piles
****

1.10.4	825.00	Ton	Scrap Credit - Inverter & Transformer	0.00	Detail	U.S. Dollar	(283.00)	(233,475.00)

Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost
UODCFERROUS	Ferrous Metal Scrap		825.00	Ton	U.S. Dollar	(283.00)	(233,475.00)

Notes: **********
Assume 15 ton per inverter / transformer
****

1.10.5	10.00	Ton	Scrap Credit - O&M Structure	0.00	Detail	U.S. Dollar	(283.00)	(2,830.00)

Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost
UODCFERROUS	Ferrous Metal Scrap		10.00	Ton	U.S. Dollar	(283.00)	(2,830.00)

1.10.6	335.00	Ton	Scrap Credit - Support Piles	0.00	Detail	U.S. Dollar	(283.00)	(94,805.00)

Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost
UODCFERROUS	Ferrous Metal Scrap		335.00	Ton	U.S. Dollar	(283.00)	(94,805.00)

1.10.7	200.00	Ton	Scrap Credit - Cable	0.00	Detail	U.S. Dollar	(3,000.00)	(600,000.00)

Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost
UODCCOP	Copper Scrap		200.00	Ton	U.S. Dollar	(3,000.00)	(600,000.00)

Notes: **********
Assume .10 lbs per lf on rack
****

Report Total:	11,587,439.86

Category	Total
Labor	4,463,544.46
Rented Equipment	4,540,772.14
Supplies	3,550.00
Materials	40,000.00
Subcontract	6,247,260.26
ODCs	2,200.00
Other Costs	(3,709,887.00)

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