

Richard C. Kirkland, Jr., MAI 9408 Northfield Court Raleigh, North Carolina 27603 Phone (919) 414-8142 rkirkland2@gmail.com www.kirklandappraisals.com

April 28, 2023

Chance Zajicek
Palladium Energy
25 N. Market Street
Jacksonville, FL 32202

RE: Moonlight Solar, Burwells Bay Road, Smithfield, Isle of Wight County, VA

Mr. Zajicek

At your request, I have considered the impact of a 44 MW solar farm proposed to be constructed on a portion of approximately 523.75 acres of land off Burwells Bay Road, Smithfield, Isle of Wight County, Virginia. 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 Virginia 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 and subject to the limiting conditions attached to this letter. My client is Palladium Energy, represented to me by Mr. Chance Zajicek. My findings support the Application. The effective date of this consultation is April 28, 2023.

Conclusion

The adjoining properties are well set back from the proposed solar panels and will use a combination of existing vegetation and planted vegetation to provide a screen from adjoining properties.

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 substantial negative effect 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 with adjoining agricultural uses, schools, churches, and residential developments.

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. 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 minimal traffic.

If you have any questions, please let me know.

Sincerely,

Richard C. Kirkland, Jr., MAI

NC Certified General Appraiser #A4359

July Challeffe

VA Certified General Appraiser # 4001017291

Table of Contents

Con	clusion	1
I.	Proposed Project and Adjoining Uses	5
II.	Methodology and Discussion of Issues	12
III.	Research on Solar Farms	14
A.	Appraisal Market Studies	14
В.	Articles	17
C.	Broker Commentary	18
IV.	University Studies	18
A.	University of Texas at Austin, May 2018	18
B.	. University of Rhode Island, September 2020	19
C.	. Georgia Institute of Technology, October 2020	21
D.	. Master's Thesis: ECU by Zachary Dickerson July 2018	21
E. Tir	Honors Thesis: Trinity College of Duke University by Megan Wang with mmins, Faculty Advisor April 2022	
F.	Lawrence Berkeley National Lab, March 2023	22
V.	Assessor Surveys	28
VI.	Summary of Solar Projects In Virginia	32
35	54: Amazon Solar project East (Eastern Shore), Accomack, VA	39
36	64: Remington Solar, 12080 Lucky Hill Rd, Remington, VA	40
37	73: Woodland Solar, Longview Drive, Smithfield, VA	43
37	74: Whitehouse Solar, Chalklevel Road, Louisa, VA	44
48	84: Essex Solar, Tidewater Trail, Center Cross, VA	45
48	85: Southampton Solar, General Thomas Hwy, Newsoms, VA	46
VII.	Market Analysis of the Impact on Value from Solar Farms	48
A.	Virginia Data	49
В.	. Southeastern USA Data – Over 5 MW	77
C.	. Summary of National Data on Solar Farms	132
D.	. Larger Solar Farms	134
VIII.	. Distance Between Homes and Panels	138
IX.	Topography	138
X.	Potential Impacts During Construction	138
XI.	Scope of Research	139
XII.	Specific Factors Related To Impacts on Value	140
XIII.	. Conclusion	143
XIV.	. Certification	144
Pr	rofessional Experience	
	rofessional Affiliations	
	ducation	

T 1	1 4 5
g Education	1/1-
8 1301016 11011	

I. Proposed Project and Adjoining Uses

Proposed Use Description

This 44 MW solar farm is proposed to be constructed on a portion of approximately 523.75 acres of land off Burwells Bay Road, Smithfield, Isle of Wight County, Virginia.

Adjoining Properties

I have considered adjoining uses and included a map to identify each parcel's location. The closest adjoining home will be 165 feet from the closest solar panel and the average distance to adjoining homes will be 382 feet to the nearest solar panel.

Adjoining land is a mix of residential, agricultural and industrial uses. There is also a religious facility that will adjoin this project, which is common among the solar farms researched for this report.

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

Adjoining Use Breakdown

	Acreage	Parcels
Residential	4.85%	41.67%
Agricultural	92.41%	54.17%
Agri/Res	2.73%	4.17%
Total	100.00%	100.00%

On the following page, I have the GIS tax map shown with the parent tracts and numbered adjoining parcels. I also have the second image of the area proposed to be leased pulled from GoogleEarth.





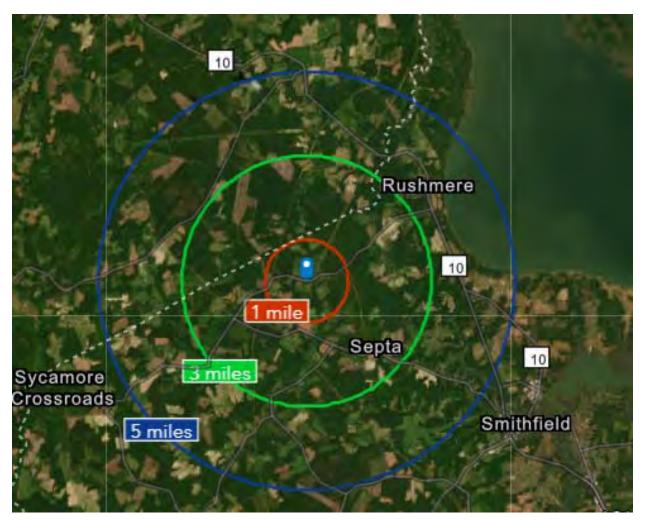
Surrounding Uses

			GIS Data	ı	Adjoin	Adjoin	Distance (ft)
#	MAP ID	Owner	Acres	Present Use	Acres	Parcels	Home/Panel
1	05-01-002	Doggett	27.00	Agricultural	1.89%	4.17%	N/A
2	05-01-002A	Walling	11.50	Residential	0.81%	4.17%	585
3	11-01-019	Goodrich	28.30	Residential	1.98%	4.17%	1,105
4	11-01-021Y	Edwards	15.00	Residential	1.05%	4.17%	N/A
5	11-01-018A	Edwards	1.00	Residential	0.07%	4.17%	270
6	11-01-017C	Lawton	2.00	Residential	0.14%	4.17%	N/A
7	11-01-017B	Villa	1.93	Residential	0.14%	4.17%	170
8	11-01-021P	Evans	3.27	Residential	0.23%	4.17%	180
9	11-01-022	Edwards	65.00	Agricultural	4.55%	4.17%	N/A
10	11-01-022	Edwards	1.86	Residential	0.13%	4.17%	280
11	11-01-022G	Upton	2.20	Residential	0.15%	4.17%	165
12	11-01-022	Edwards	25.50	Agricultural	1.79%	4.17%	N/A
13	11-01-042	Hofler	148.43	Agricultural	10.40%	4.17%	N/A
14	12-01-008	Hofler	121.47	Agricultural	8.51%	4.17%	N/A
15	11-01-041	Joyner	111.00	Agricultural	7.78%	4.17%	N/A
16	11-01-040	Gwaltney	51.60	Agricultural	3.62%	4.17%	N/A
17	11-01-024	Gwaltney	39.00	Agri/Res	2.73%	4.17%	510
18	11-01-015	Batten	95.00	Agricultural	6.66%	4.17%	N/A
19	11-01-016	Thacker	131.00	Agricultural	9.18%	4.17%	N/A
20	11-01-004	Thacker	55.00	Agricultural	3.85%	4.17%	N/A
21	11-01-003	Thacker	110.00	Agricultural	7.71%	4.17%	N/A
22	11-01-002	Edwards	38.00	Agricultural	2.66%	4.17%	N/A
23	11-01-017A	Edwards	2.20	Residential	0.15%	4.17%	175
24	11-01-001	Hancock	340.00	Agricultural	23.82%	4.17%	N/A

Total 1427.260 100.00% 100.00% 382

Demographics Around Subject Property

I have pulled demographic data around a 1-mile, 3-mile and 5-mile radius from the middle of the project as shown on the following pages.





Housing Profile

9301-11399 Burwells Bay Rd, Smithfield, Virginia, 23430 Ring: 1 mile radius

Prepared by Esri

Longitude. =76.72843.

 Population

 2010 Total Population
 74

 2020 Total Population
 78

 2022 Total Population
 79

 2027 Total Population
 81

 2022-2027 Annual Rate
 0.50%

Households	
2022 Median Household Income	\$78,887
2027 Median Household Income	\$97,279
2022-2027 Annual Rate	4.28%

	Census 2010		2022		2027	
Housing Units by Occupancy Status and Tenure	Number	Percent	Number	Percent	Number	Percent
Total Housing Units	39	100.0%	41	100.0%	42	100.0%
Occupied	32	82.1%	34	82.9%	35	83.3%
Owner	27	69.2%	26	63.4%	27	64.3%
Renter	5	12.8%	8	19.5%	8	19.0%
Vacant	7	17.9%	6	14.6%	7	16.7%

	20	22	20	27
Owner Occupied Housing Units by Value	Number	Percent	Number	Percen
Total	27	100.0%	27	100.0%
<\$50,000	2	7.4%	1	3.79
\$50,000-\$99,999	1	3.7%	0	0.09
\$100,000-\$149,999	1	3.7%	0	0.09
\$150,000-\$199,999	4	14.8%	2	7.4%
\$200,000-\$249,999	2	7.4%	1	3.7%
\$250,000-\$299,999	3	11.1%	2	7.4%
\$300,000-\$399,999	7	25.9%	8	29.6%
\$400,000-\$499,999	2	7.4%	3	11.1%
\$500,000-\$749,999	2	7.4%	3	11.1%
\$750,000-\$999,999	3	11.1%	6	22.2%
\$1,000,000-\$1,499,999	0	0.0%	1	3.7%
\$1,500,000-\$1,999,999	0	0.0%	0	0.0%
\$2,000,000+	0	0.0%	0	0.09
Median Value	\$307,143		\$393,750	
Average Value	\$350,000		\$506,481	

Census 2010 Housing Units	Number	Percent
Total	39	100.0%
In Urbanized Areas	0	0.0%
In Urban Clusters	0	0.0%
Rural Housing Units	39	100.0%



Housing Profile

9301-11399 Burwells Bay Rd, Smithfield, Virginia, 23430 Ring: 3 mile radius

Prepared by Esri

Longitude, -76.72843

No. and Address		Wasser and a state of the state	
Population		Households	
2010 Total Population	956	2022 Median Household Income	\$80,159
2020 Total Population	947	2027 Median Household Income	\$94,375
2022 Total Population	954	2022-2027 Annual Rate	3.32%
2027 Total Population	970		
2022-2027 Annual Rate	0.33%		

	Census 2010		2022		2027	
Housing Units by Occupancy Status and Tenure	Number	Percent	Number	Percent	Number	Percent
Total Housing Units	390	100.0%	406	100.0%	417	100.0%
Occupied	331	84.9%	344	84.7%	352	84.4%
Owner	278	71.3%	261	64.3%	270	64.7%
Renter	53	13.6%	83	20.4%	82	19.7%
Vacant	59	15.1%	62	15.3%	64	15.3%

	20	122	20	27
Owner Occupied Housing Units by Value	Number	Percent	Number	Percen
Total	261	100.0%	270	100.0%
<\$50,000°	13	5.0%	8	3.09
\$50,000-\$99,999	8	3.1%	3	1.19
\$100,000-\$149,999	12	4.6%	6	2.29
\$150,000-\$199,999	33	12.6%	20	7.49
\$200,000-\$249,999	30	11.5%	23	8.59
\$250,000-\$299,999	28	10.7%	22	8.19
\$300,000-\$399,999	73	28.0%	75	27.89
\$400,000-\$499,999	25	9.6%	35	13.09
\$500,000-\$749,999	14	5.4%	25	9.39
\$750,000-\$999,999	22	8.4%	46	17.09
\$1,000,000-\$1,499,999	3	1.1%	6	2.29
\$1,500,000-\$1,999,999	0	0.0%	1	0.49
\$2,000,000+	0	0.0%	0	0.09
Median Value	\$308,904		\$370,667	
Average Value	\$349,425		\$455,648	

Census 2010 Housing Units	Number	Percent
Total	390	100.0%
In Urbanized Areas	0	0.0%
In Urban Clusters	23	5.9%
Rural Housing Units	368	94.4%



Housing Profile

9301-11399 Burwells Bay Rd, Smithfield, Virginia, 23430 Ring: 5 mile radius

Prepared by Esri

Long Eude - 76,72843

Population		Households	
2010 Total Population	4,139	2022 Median Household Income	\$82,691
2020 Total Population	3,941	2027 Median Household Income	\$96,892
2022 Total Population	3,999	2022-2027 Annual Rate	3.22%
2027 Total Population	4,101		
2022-2027 Annual Rate	0.51%		

	Censu	Census 2010		2022		2027	
Housing Units by Occupancy Status and Tenure	Number	Percent	Number	Percent	Number	Percent	
Total Housing Units	1,830	100.0%	1,883	100.0%	1,949	100.0%	
Occupied	1,618	88.4%	1,642	87.2%	1,694	86.9%	
Owner	1,360	74.3%	1,282	68.1%	1,335	68.5%	
Renter	258	14.1%	360	19.1%	359	18.4%	
Vacant	212	11.6%	241	12.8%	256	13.1%	

	20	122	20	127
Owner Occupied Housing Units by Value	Number	Percent	Number	Percen
Total	1,283	100.0%	1,335	100.0%
<\$50,000	68	5.3%	43	3.29
\$50,000-\$99,999	40	3.1%	17	1.39
\$100,000-\$149,999	55	4.3%	31	2.39
\$150,000-\$199,999	132	10.3%	87	6.5%
\$200,000-\$249,999	162	12.6%	126	9.4%
\$250,000-\$299,999	148	11.5%	122	9.1%
\$300,000-\$399,999	370	28.8%	385	28.8%
\$400,000-\$499,999	148	11.5%	211	15.8%
\$500,000-\$749,999	65	5.1%	115	8.6%
\$750,000-\$999,999	80	6.2%	169	12.7%
\$1,000,000-\$1,499,999	13	1.0%	26	1.9%
\$1,500,000-\$1,999,999	2	0.2%	3	0.2%
\$2,000,000+	0	0.0%	0	0.0%
Median Value	\$309,865		\$362,727	
Average Value	\$341,621		\$427,378	
A Section of the Contract of t				

Census 2010 Housing Units	Number	Percent
Total	1,830	100.0%
In Urbanized Areas	0	0.0%
In Urban Clusters	172	9.4%
Rural Housing Units	1,658	90.6%

II. 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 Virginia 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 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 33-36 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 tends 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 minimal noise and are even quieter at night typically with no noise above ambient sounds outside of the fenceline.
- 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.

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 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.

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.

III. 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 assessors 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 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. It also

was misleading on Mr. Beck's part to report the lower re-assessments since the primary cause of the re-assessments were based on the County Official, who lived adjacent to the solar farm, appeal to the assessor for reductions with his own home." In that Clay County Case study the noted lack of lot sales after announcement of the solar farm also coincided with the recession in 2008/2009 and lack of lot sales effectively defined that area during that time.

I further note, that I was present at the hearing where Mr. Beck presented these findings and the predominance of his argument before the Lincoln County Board of Commissioner's was based on the one cancelled sale as well as a matched pair analysis of high-end homes adjoining a four-story call center. He hypothesized that a similar impact from that example could be compared to being adjacent solar farm without explaining the significant difference in view, setbacks, landscaping, traffic, light, and noise. Furthermore, Mr. Beck did have matched pairs adjoining a solar farm in his study that he put in the back of his report and then ignored as they showed no impact on property value.

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." Based on a description of screening so that "the solar farm would not be in full view to adjoining property owners. Mr. Beck said in that case, he would not see any drop in property value."

NorthStar Appraisal Company - Impact Analysis for Nichomus Run Solar, Pilesgrove, NJ, September 16, 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 – June 7, 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, July 10, 2021

Ms. Mary Clay, MAI reviewed a report by Kirkland Appraisals in this case and also provided a differing opinion of impact. She cites a number of other appraisal studies and interestingly finds fault with heavily researched opinions, while praising the results of poorly researched studies that found the opposing view.

Her analysis includes details from solar farms that show no impact on value, but she dismisses those.

She cites the University of Texas study noted later in this report, but she cites only isolated portions of that study to conclude the opposite of what that study specifically concludes.

She cites the University of Rhode Island study noted alter in this report, but specifically excludes the conclusion of that study that in rural areas they found no impact on property value.

She cites lot sales near Spotsylvania Solar without confirming the purchase prices with brokers as indicative of market impact and has made no attempt to compare lot prices that are contemporaneous. In her 5 lot sales that she identifies, all of the lot prices decline with time from 2015 through 2019. This includes the 3 lot sales prior to the approval of the solar farm. The decrease in lot values shown in this chart are more indicative of the trend in the market, than of any impact related to the solar farm. Otherwise, how does she explain the drop in price from 2015 to 2017 prior to the solar farm approval.

She considers data at McBride Place Solar Farm and does a sale/resale analysis based on Zillow Home Value Index, which is not a reliable indication for appreciation in the market. She then adjusted her initial sales prior to the solar farm over 7 years to determine what she believes the home should have appreciated by and then compares that to an actual sale. She has run no tests or any analysis to show that the appreciation rates she is using are consistent with the market but more importantly she has not attempted to confirm any of these sales with market participants. I have spoken with brokers active in the sales that she cites and they have all indicated that the solar farm was not a negative factor in marketing or selling those homes.

She has considered lot sales at Sunshine Farms in Grandy, NC. She indicates that the lots next to the solar farm are selling for less than lots not near the solar farm, but she is actually using lot sales next to the solar farm prior to the solar farm being approved. She also ignores recent home sales adjoining this solar farm after it was built that show no impact on property value.

She also notes a couple of situations where solar developers have purchased adjoining homes and resold them or where a neighbor agreement was paid as proof of a negative impact on property value. Given that there are over 2,500 solar farms in the USA as of 2018 according to the U.S. Energy Information Administration and there are only a handful of such examples, this is clearly not an industry standard but a business decision. Furthermore, solar developers are not in the business of flipping homes and are in a position very similar to a bank that acquires a home as OREO (Other Real Estate Owned), where homes are frequently sold at discounted prices, not because of any drop in value, but because they are not a typically motivated seller. Market value requires an analysis of a typically motivated buyer and seller. So these are not good indicators of market value impacts.

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

Conclusion of Impact Studies

Of the five studies noted two 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 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.

North Carolina State University: NC Clean Energy Technology Center White Paper: Balancing Agricultural Productivity with Ground-Based Solar Photovoltaic (PV) Development (Version 2), May 2019

Tommy Cleveland and David Sarkisian wrote a white paper for NCSU NC Clean Energy Technology Center regarding the potential impacts to agricultural productivity from a solar farm use. I have interviewed Tommy Cleveland on numerous occasions and I have also heard him speak on these issues at length as well. He addresses many of the common questions regarding how solar farms work and a detailed explanation of how solar farms do not cause significant impacts on the soils, erosion and other such concerns. This is a heavily researched paper with the references included.

North Carolina State University: NC Clean Energy Technology Center White Paper: Health and Safety Impacts of Solar Photovoltaics, May 2017

Tommy Cleveland wrote a white paper for NCSU NC Clean Energy Technology Center regarding the health and safety impacts to address common questions and concerns related to solar farms. This is a heavily researched white paper addressing questions ranging from EMFs, fire safety, as well as vegetation control and the breakdown of how a solar farm works.

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 included comments from brokers within this report where they discussed specific solar projects 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.

IV. 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.

5 0 -5 -10 -15 Yes-20MW = Yes-102MW es-1.5MW No-1.5MW No-20MW * -20 100 feet 500 feet 1000 feet 1/2 mile 1 mile 3 miles

Chart B.2 - Estimates of Property Value Impacts (%) by Size of Facility,
Distance, & Respondent Type

Have you assessed a home near a utility-scale solar installation?

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.

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 dataset.

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 Carrsville District of Isle of Wight County, which has a population of 6,676 for 2022 based on HomeTownLocator.com and a total area of 142.04 square miles. This indicates a population density of 47 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 a finding of no impact on adjoining properties for the proposed solar farm.

Carrsville District Data & Demographics (As of July 1, 2022)

POPULATION	
Total Population	6,676 (100%)
Population in Households	6,657 (99.7%)
Population in Families	5,644 (84.5%)
Population in Group Quarters ¹	19 (0.3%)
Population Density	47
Diversity Index ²	43

HOUSING	
Total HU (Housing Units)	3,034 (100%)
Owner Occupied HU	2,246 (74.0%)
Renter Occupied HU	489 (16.1%)
Vacant Housing Units	299 (9.9%)
Median Home Value	\$281,813
Average Home Value	\$286,782
Housing Affordability Index ³	126

INCOME	
Median Household Income	\$72,931
Average Household Income	\$89,472
% of Income for Mortgage ⁴	20%
Per Capita Income	\$36,737
Wealth Index ⁵	82

HOUSEHOLDS	
Total Households	2,735
Average Household Size	2.43
Family Households	1,977
Average Family Size	3

C. 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.

D. Master's Thesis: ECU by Zachary Dickerson July 2018

A Solar Farm in My Backyard? Resident Perspectives of Utility-Scale Solar in Eastern North Carolina

This study was completed as part of a Master of Science in Geography Master's Thesis by Zachary Dickerson in July 2018. This study sets out to address three questions:

- 1. Are there different aspects that affect resident satisfaction regarding solar farms?
- 2. Are there variations in satisfaction for residents among different geographic settings, e.g. neighborhoods adjacent to the solar farms or distances from the solar farms?
- 3. How can insight from both the utility and planning sectors, combined with knowledge gained from residents, fill gaps in communication and policy writing in regard to solar farms?

This was done through survey and interview with adjacent and nearby neighbors of existing solar farms. The positive to neutral comments regarding the solar farms were significantly higher than negative. The researcher specifically indicates on Page 46 "The results show that respondents generally do not believe the solar farms pose a threat to their property values."

The most negative comments regarding the solar farms were about the lack of information about the approval process and the solar farm project prior to construction.

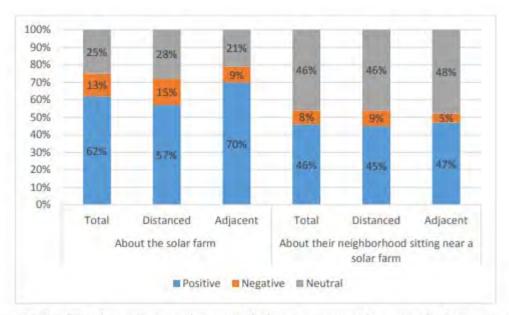


Figure 11: Residents' positive/negative word choices by geographic setting for both questions

E. Honors Thesis: Trinity College of Duke University by Megan Wang with Dr. Christopher Timmins, Faculty Advisor April 2022

Impact of Utility-Scale Solar Farms on Property Values in North Carolina

This study was completed as partial fulfillment of the requirements for Graduation with Distinction in Economics in Trinity College of Duke University.

This analysis focused on solar farms in NC and found a significant 12% increase in sale values for high-income homes within 3 miles of a solar farm, but that low-income homes were associated with a 1.4% decreased in value. This report relied on CoreLogic data and uses sales up to 10 miles from a solar farm for analysis in comparison to sales within 3 miles. No connection is established between how a home 3 miles from a solar farm might be impacted by that solar farm and given the wide range of results I find this to be a good example of how this type of analysis can look impressive, but have significant flaws in reasoning. There is no consideration of whether homes 10 miles out from the site are really in the same market or not. There is no consideration of landscaping buffers or visibility of the site. There is no establishment of any actual relationship in this data and the solar farm other than proximity. There is no indication that any control was performed to look at a similar ring of data to determine if the 3 mile/10 mile comparison really just reflects a difference between rural and suburban/urban areas.

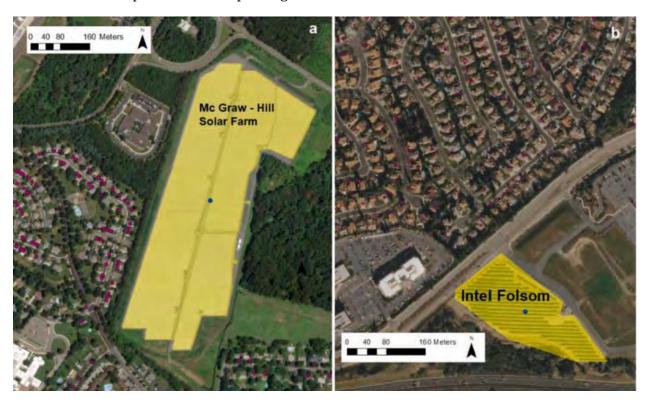
I have included this as it is on point but the conclusion suggests a significant positive relationship from the solar farm in most cases and a negligible impact in others. I have not relied heavily on this study for the reasons stated above.

F. Lawrence Berkeley National Lab, March 2023

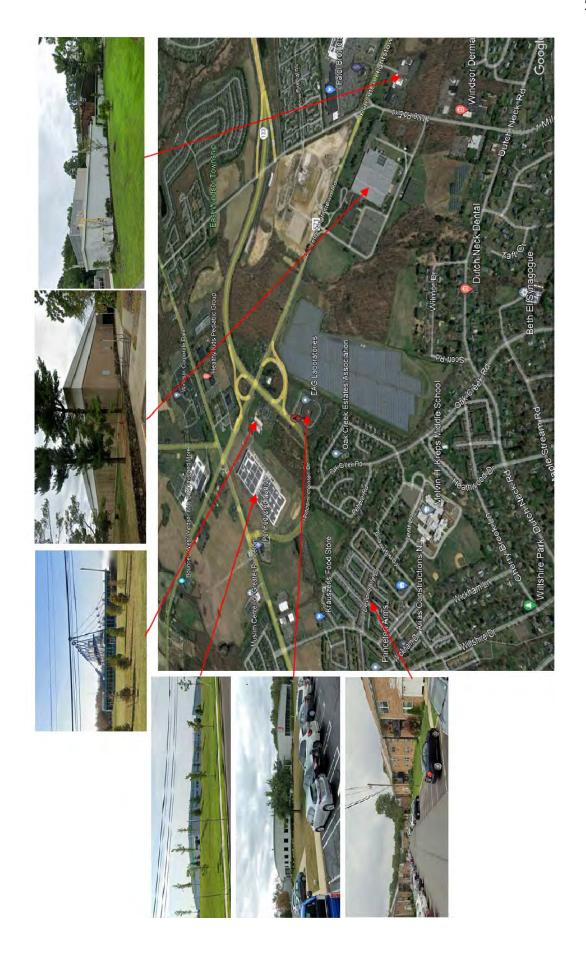
Shedding light on large-scale solar impacts: An analysis of property values and proximity to photovoltaics across six U.S. states

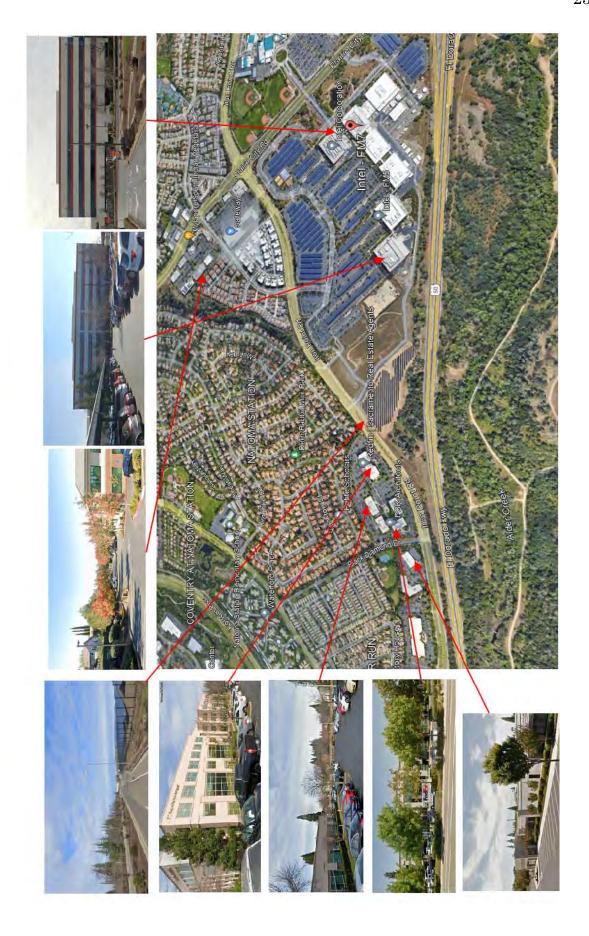
This study was completed by researchers including Salma Elmallah, Ben Hoen, K. Sydny Fujita, Dana Robson, and Eric Brunner. This analysis considers home sales before and after solar farms were installed within a 1 mile radius and compared them to home sales before and after the solar farms at a 2-4 mile radius. The conclusion found a 1.5% impact within 1 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.





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 1 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. Nearby homes. 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 1-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 it flaws would just be lost in the static of normal real estate transactions.

V. <u>Assessor Surveys</u>

I have been working on a survey of Virginia Assessors regarding property values related to solar farms and whether or not the local assessors have found any data to support any changes to value on property adjoining solar farms. In this process I have contacted every assessor's office by email and I have received responses by email and by phone from a number of these counties. Many of the counties in Virginia rely on outside firms to assist in gathering data for the assessments and where that is the case, we have contacted the outside firms regarding the question of whether or not the assessors are currently making any adjustments to properties adjoining solar farms.

I currently have response from 16 counties that have solar farms in them and of those 16 responses none of the assessors are currently applying a negative impact on property value. One response suggested that adjoining values may go up.

I did speak with Randy Willis with Pearson Assessors. His company assists in the assessments in many of the counties south of Richmond. He indicated that they had found no data to suggest a negative impact on property value and they have looked as they were concerned about that issue. He indicated that they would make no negative impact adjustments and that he recognizes that there are a number of agricultural adjoining uses that have a greater impact on adjoining properties in terms of noise, dust and odor than a solar farm would have. He did indicate that there could be situations where an individual home might have a greater visual impact and those should be looked at on a case-by-case basis, but he also agreed that many allowed agricultural uses could have similar visual impacts on such properties as well.

VIRGINIA Commissioner of the Revenue

County	Assessor Name	Number of Farms in Operation	Change in adjacent property value
Appomattox	Sara Henderson	1, plus one in process	No
Augusta	W. Jean Shrewsbury	no operational	No
Buckingham	Stephanie D. Love	1	No
Charlotte	Naisha Pridgen Carter	1, several others in the works	No
Clarke	Donna Peake	1	No
Frederick	Seth T. Thatcher	none, 2 appoved for 2022	No, assuming compatible with rural area
Goochland	Mary Ann Davis		No
Hanover	Ed Burnett	1	No
Louisa	Stacey C. Fletcher	2 operational by end of year	No, only if supported by market data
Mecklenburg	Joseph E. "Ed" Taylor		No
Nottoway	Randy Willis with Pear	son Assessors	No
Powhatan	Charles Everest	2 approved, 1 built	Likely increase in value
Rockingham	Dan Cullers	no operational	Likely no
Southampton	Amy B. Carr	1	Not normally
Surry	Jonathan F. Judkins	1	None at this time
Westmoreland	William K. Hoover	4	No

Responses: 16

Negative Impact on Adjoining Value = Yes: 0 Negative Impact on Adjoining Value = No: 16

I have also attempted to contact all of the assessor departments in North Carolina to determine how local assessors are handling solar farms and adjoining property values. I have spoken personally with a number of assessors, but much of this data was obtained via email. I have 39 counties in NC that have both responded to these questions on property value and also have solar farms in that county. I have excluded responses from assessors from counties where there are no current solar farms.

As can be seen in the chart below, of the 39 responses all of the responses have indicated that they make no adjustment to properties adjoining solar farms. Several assessors indicated that it would require an adjoining property owner to appeal their property value with data showing a negative impact before they would make any adjustment and to date they have not had that happen.

I also point out specifically Clay County. I spoke with the assessor there specifically about adjustments that were applied to some properties near a solar farm back in 2008. She was unaware of the details of that event as she was not in this position at that time. As discussed earlier in this report the lower re-assessments at that solar farm were based on a County Official, who owned property adjacent to the solar farm, who made an appeal to the assessor for reductions for his own property. The noted lack of lot sales after announcement of the solar farm however coincided with the recession in 2008/2009 and lack of lot sales effectively defined that area during that time, but without relying on any data the assessor made that change in that time frame based on conversations with the assessor. Since then, Clay County has confirmed that they do not currently make any changes to adjoining property values and the current county assessor was not even aware that they had in the past done so.

NC Assessor Survey on Solar Farm Property Value Impacts

County		Number of Farms	Change in Adjacent Property Value
Alexander	Doug Fox	3	No
Buncombe	Lisa Kirbo	1	No
Burke	Daniel Isenhour	3, 2 on 1 parcel, 1 on 3 parcels	No
Cabarrus	Justin	less than 10, more in the works	No
Caldwell	Monty Woods	3 small	No, but will look at data in 2025
Catawba	Lori Ray	14	No
Chatham	Jenny Williams	13	No
Cherokee	Kathy Killian	9	No
Chowan	Melissa Radke	3, I almost operational	No
Clay	Bonnie L. Lyvers		No
Davidson	Libby	1	No
Duplin	Gary Rose	34, 2 more in planning	No
Franklin	Marion Cascone	11	No
Gaston	Traci Hovis	3	No
Gates	Chris Hill	3	No
Granville	Jenny Griffin	8	No
Halifax	C. Shane Lynch	Multiple	No
Hoke	Mandi Davis	4	No
Hyde	Donnie Shumate	1 to supplement egg processing plant	No
Iredell	Wes Long	2, 3 others approved	No
Lee	Lisa Faulkner	8	No
Lincoln	Susan Sain	2	No
Moore	Michael Howery	10	No
New Hanover	Rhonda Garner	35	No
Orange	Chad Phillip	2 or 7 depending on breakdown	No
Pender	Kayla Bolick Futrell	6	No
Person	Russell Jones	9	No
Pitt	Russell D. Hill	8, 1 in planning	No
Randolph	Mark Frick	19	No
Rockingham	Mark C McClintock	6	No
Rutherford	Kim Aldridge	20	No
Sampson	Jim Johnson	9, 1 in construction	No
Scotland	James Brown	15, 1 in process	No
Stokes	Richard Brim	2	No
Surry	Penny Harrison	4, 2 more in process	No
Union	Robin E. Merry	6	No
Vance	Cathy E. Renn	13	No
Warren	John Preston	7	No
Wayne	Alan Lumpkin	32	No
Wilson	William (Witt) Putney	~16	No, mass appraisal standards applied
VV 118011	wimam (witt) Fulfiey	10	110, mass appraisar standards applied

Responses: 39

Negative Impact on Adjoining Value = Yes: 0 Negative Impact on Adjoining Value = No: 39 I have also completed surveys in Colorado, New Mexico, and Mississippi as shown below.

I have so far found no responses from any assessor that they make negative adjustments to adjoining properties. I currently have 39 responses in North Carolina, 16 responses from Virginia, 4 from Mississippi, and 15 from Colorado. Adding in the 5 responses in New Mexico, I have a total of 79 assessor responses and all 79 indicate either no negative impacts on adjoining property values, or else they did not respond to that part of the question. A total of 69 of the responses were definitively "No" with an additional 10 being "No response" to that question.

I have included the breakdown of that data on the following pages.

New Mexico Tax Assessors

County	Number of Farms in Operation	Change in adjacent property value
Colfax	3, 1 in planning	No
Curry	1, quite a few in talks	No
Dona Ana	2 owned by city and county	No
Lincoln	1	No
Union	1	No
	Total Responses With Solar	5
	Total Responses "No"	5
	Total Responses "Yes"	0

MS Assessor Survey on Solar Farm Property Value Impacts

County	Assessor's Name	Number of Farms	Change in Adjacent Property Value
Desoto	Jeff Fitch	1, 1 in planning	No response
Monroe	Mitzi Presley	2 in planning	No response
Stone	Charles Williams, Jr.	1 in planning	No
Union	Tameri Dunnam	1	No

CO Assessor Survey on Solar Farm Property Value Impacts

County	Assessor's Name	Number of Farms	Change in Adjacent Property Value
Conejos	Naomi Keys	3 or 4	No response
Denver	Keith Erffmeyer	3	No
Garfield	Jim Yellico (Vicki Riley)	No response	Classification and value could change
Kiowa	Marci Miller	0, 2 in planning	No
La Plata	Carrie Woodson	0, 1 in planning	No response
Las Animas	Jodi Amato	1 operational, 1 in planning	No
Moffat	Charles "Chuck" Cobb	0, 5 in planning	No
Montezuma	Leslie Bugg	3 approved	No
Montrose	Brad Hughes	2, 1 in planning	Maybe, but would be based on sales data
Morgan	Tim Amen	2, operational, 3 in planning	No
Pitkin	Wendy Schultz	1	No
Rio Blanco	Renae Neilson	2	No response
Saguache	Peter Peterson	1	No
San Miguel	Sarah Enders	1	Not enough data
Yuma	Cindy Taylor	1 in planning	No response

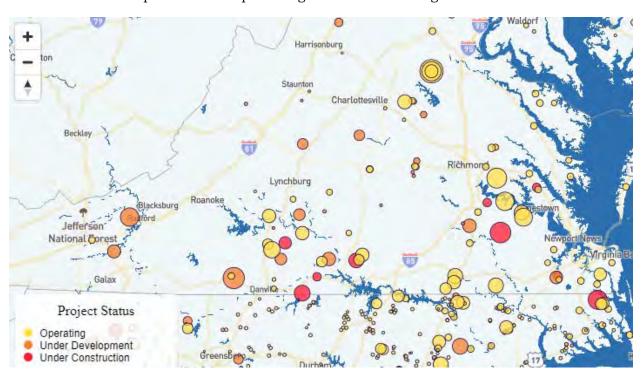
Responses: 15

Negative Impact on Adjoining Value = Yes: 0
Negative Impact on Adjoining Value = No: 7
Negative Impact on Adjoining Value = No Response: 8

VI. Summary of Solar Projects In Virginia

I have researched the solar projects in Virginia. I identified the solar farms through the Solar Energy Industries Association (SEIA) Major Projects List and then excluded the roof mounted facilities. I focused on larger solar farms over 10 MW though I have included a couple of smaller solar farms as shown in the chart below.

Below I have an excerpt from that map showing the area around Virginia.



I was able to identify and research 85 additional solar farms in Virginia as shown below. These are primarily over 20 MW in size with adjoining homes as close as 100 feet and the mix of adjoining uses is primarily agricultural and residential.

Solar # Name							Total	Used	Avg. Dist	Closest	Adioir	ing Use	hv Acre	
In In Buckingham VA	ŧ N	Name	State	County	City	Output			-				Agri/Res	Com
121 Scott	-			,		-						8		
204 Walker-Correctional VA	15 B	Buckingham I	VA	Buckingham	Cumberland	19.8	481.18		N/A	N/A	8%	73%	18%	0%
205 Sappony	21 S	Scott	VA	Powhatan	Powhatan	20	898.4				29%	28%	44%	0%
205 Sappony	04 W	Walker-Correctiona	.VA	New Kent	Barhamsville	20	484.65		516	103	13%	68%	20%	0%
216 Decite					Stony Creek	20	322.68				2%		0%	0%
222 Grashopper		* * *	VA	Southampton		40	422.19		1,169	310	0%		90%	0%
226 Belcher/Desper			VA	-		80					6%	87%	5%	1%
228 Bluestone Farm		* *	VA	-		88	1238.1			150	19%	53%	28%	0%
257 Nokeswille	28 B	Bluestone Farm	VA	Mecklenburg	Chase City	4.99	332.5				0%	100%	0%	0%
262 Mount Jackson	57 N	Nokesville	VA	Prince William	Nokesville		331.01				12%	49%	17%	23%
262 Mount Jackson VA Shenandoah Mount Jackson 15.65 652.47 21% 55% 263 Gloucester VA Gloucester Gloucester 20 203.55 508 190 17% 55% 267 Scott II VA Powhatan 701 1.15 150 34% 48% 272 Churchview VA Middlesex Church View 20 567.91 1.15 150 34% 48% 303 Turner VA Henrico Henrico 20 463.12 N/A N/A 15% 59% 311 Sunnybrook Farm VA Halifax Alton 513 N/A N/A 17% 71% 339 Crystal Hill VA Halifax Crystal Hill 628.67 218 1,570 140 6% 41% 353 Amazor Easterns **VA Accomack Oak Hall 80 100 645 135 8% 75% 363 Remington VA Fauquier Remington 20	61 B	Buckingham II	VA	Buckingham	Buckingham	19.8	460.05				6%	79%	15%	0%
263 Gloucester		-	VA	-	-	15.65	652.47				21%	51%	14%	13%
270 TWE Myrtle	63 G	Gloucester	VA	Gloucester		20			508	190	17%	55%	28%	0%
272 Churchview	67 S	Scott II	VA	Powhatan	Powhatan		701				41%	25%	34%	0%
272 Churchview	70 T	TWE Myrtle	VA	Suffolk	Suffolk	15	258.97	120	1,115	150	34%	48%	17%	0%
311 Sunnybrook Farm VA	72 C	Churchview	VA	Middlesex	Church View	20	567.91		ŕ		9%	64%	27%	0%
311 Sunnybrook Farm VA									N/A	N/A			0%	42%
312 Powell Creek									,	,			26%	0%
339 Crystal Hill VA			VA	Halifax	_								22%	0%
353 Amazon East(ern st VA Accomack Oak Hall 80 1000 645 135 8% 75% 354 Alton Post VA Halifax Alton 501.96 749 100 2% 55% 357 Water Strider VA Halifax Nathalie 1134 960 821 250 7% 55% 363 Remington VA Fauquier Remington 20 277.2 125 2,755 1,280 10% 41% 364 Greenwood VA Culpeper Stevensburg 100 2266.6 1800 788 200 8% 62% 366 Culpeper Sr VA VA Culpeper VA Culpeper VA VA VA VA VA VA VA V			VA	Halifax			628.67	218	,	,	6%	41%	35%	18%
354 Alton Post		~			•	80			,				17%	0%
357 Water Strider													40%	0%
363 Remington VA Fauquier Remington 20 277.2 125 2,755 1,280 10% 41% 364 Greenwood VA Culpeper Stevensburg 100 2266.6 1800 788 200 8% 62% 366 Culpeper Sr VA Culpeper Culpeper 12.53 N/A N/A 10% 0% 369 Cherrydale VA Northampton Kendall Grove 20 180.17 N/A N/A 5% 0% 370 Clarke VA Clarke White Post 10 234.84 N/A N/A 14% 39% 371 Bedford VA Bedford Bedford 3 101 20 N/A N/A N/A 8% 0% 372 Woodland,VA VA Isle of Wight Smithfield 19.7 211.12 666 190 9% 0% 406 Foxhound VA Halifax Clover 91 1311.8 885 185 5%													38%	0%
364 Greenwood VA Culpepper Stevensburg 100 2266.6 1800 788 200 8% 62% 366 Culpeper Sr VA Culpeper 12.53 N/A N/A 15% 0% 369 Cherrydale VA Northampton Kendall Grove 20 180.17 N/A N/A 5% 0% 370 Clarke VA Clarke White Post 10 234.84 N/A N/A N/A 39% 0% 371 Bedford VA Bedford Bedford 3 101 20 N/A N/A 8% 0% 372 Woodland,VA VA Isle of Wight Smithfield 19.7 211.12 606 190 9% 0% 373 Whitehouse VA Louisa Louisa 20 499.52 1,195 110 24% 55% 61% 488 Essex Center Cross 20 106.12 693 360 3% 70% 484 Southampton <t< td=""><td></td><td></td><td></td><td></td><td></td><td>20</td><td></td><td></td><td></td><td></td><td></td><td></td><td>31%</td><td>18%</td></t<>						20							31%	18%
366 Culpeper Sr VA Culpeper Culpeper 12.53 N/A N/A 15% 0% 369 Cherrydale VA Northampton Kendall Grove 20 180.17 N/A N/A N/A 5% 0% 370 Clarke VA Clarke White Post 10 234.84 N/A N/A 14% 39% 371 Bedford VA Bedford Bedford 3 101 20 N/A N/A 88 0% 372 Woodland, VA VA Isle of Wight Smithfield 19.7 211.12 606 190 9% 0% 373 Whitehouse VA Louisa Louisa 20 499.52 1,195 110 24% 55% 406 Foxhound VA Halifax Clover 91 1311.8 885 185 5% 61% 483 Essex Solar Center VA Essex Center Cross 20 106.12 693 360 3% 77% 494 Walnut </td <td></td> <td>-</td> <td></td> <td>•</td> <td>-</td> <td></td> <td></td> <td></td> <td>,</td> <td></td> <td></td> <td></td> <td>29%</td> <td>0%</td>		-		•	-				,				29%	0%
369 Cherrydale VA Northampton Kendall Grove 20 180.17 N/A N/A 5% 0% 370 Clarke VA Clarke White Post 10 234.84 N/A N/A N/A 39% 371 Bedford VA Bedford Bedford 3 101 20 N/A N/A 8% 0% 372 Woodland,VA VA Isle of Wight Smithfield 19.7 211.12 606 190 9% 0% 373 Whitehouse VA Louisa Louisa 20 499.52 1,195 110 24% 55% 406 Foxhound VA Halifax Clover 91 1311.8 885 185 5% 61% 483 Essex Solar Center VA Essex Center Cross 20 106.12 693 360 3% 70% 484 Southampton VA King and Queen Shacklefords 110 1700 1173 641 165 14% 72%									N/A				86%	0%
370 Clarke VA Clarke White Post 10 234.84 N/A N/A 14% 39% 371 Bedford VA Bedford Bedford 3 101 20 N/A N/A 8% 0% 372 Woodland,VA VA Isle of Wight Smithfield 19.7 211.12 606 190 9% 0% 373 Whitehouse VA Louisa Louisa 20 499.52 1,195 110 24% 55% 406 Foxhound VA Halifax Clover 91 1311.8 885 185 5% 61% 483 Essex Solar Center VA Essex Center Cross 20 106.12 693 360 3% 70% 484 Southampton VA Southampton Newsoms 100 3243.9 - - - 3% 78% 494 Walnut VA King and Queen Shacklefords 110 1700 1173 641 165 14% <						20			,	,			92%	3%
371 Bedford VA Bedford Bedford 3 101 20 N/A N/A 8% 0% 372 Woodland,VA VA Isle of Wight Smithfield 19.7 211.12 606 190 9% 0% 373 Whitehouse VA Louisa Louisa 20 499.52 1,195 110 24% 55% 406 Foxhound VA Halifax Clover 91 1311.8 885 185 5% 61% 483 Essex Solar Center VA Essex Center Cross 20 106.12 693 360 3% 70% 484 Southampton VA Southampton Newsoms 100 3243.9 - - - 3% 78% 494 Walnut VA King and Queen Shacklefords 110 1700 1173 641 165 14% 72% 496 Piney Creek VA Halifax Clover 80 776.18 422 523 195		~							,	,			46%	1%
372 Woodland, VA VA Isle of Wight Smithfield 19.7 211.12 606 190 9% 0% 373 Whitehouse VA Louisa Louisa 20 499.52 1,195 110 24% 55% 406 Foxhound VA Halifax Clover 91 1311.8 885 185 5% 61% 483 Essex Solar Center VA Essex Center Cross 20 106.12 693 360 3% 70% 484 Southampton VA Southampton Newsoms 100 3243.9 - - - 3% 78% 494 Walnut VA King and Queen Shacklefords 110 1700 1173 641 165 14% 72% 496 Piney Creek VA Halifax Clover 80 776.18 422 523 195 15% 62% 500 Rappahannock VA Lancaster White Stone 2 184 25 831 560 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>20</td><td></td><td></td><td></td><td></td><td>66%</td><td>26%</td></t<>								20					66%	26%
373 Whitehouse VA Louisa Louisa 20 499.52 1,195 110 24% 55% 406 Foxhound VA Halifax Clover 91 1311.8 885 185 5% 61% 483 Essex Solar Center VA Essex Center Cross 20 106.12 693 360 3% 70% 484 Southampton VA Southampton Newsoms 100 3243.9 - - - 3% 78% 494 Walnut VA King and Queen Shacklefords 110 1700 1173 641 165 14% 72% 496 Piney Creek VA Halifax Clover 80 776.18 422 523 195 15% 62% 500 Rappahannock VA Lancaster White Stone 2 184 25 831 560 30% 0% 510 UVA Puller VA Middlesex Topping 15 120 120 1,095 185									,				91%	0%
406 Foxhound VA Halifax Clover 91 1311.8 885 185 5% 61% 483 Essex Solar Center VA Essex Center Cross 20 106.12 693 360 3% 70% 484 Southampton VA Southampton Newsoms 100 3243.9 - - - 3% 78% 494 Walnut VA King and Queen Shacklefords 110 1700 1173 641 165 14% 72% 496 Piney Creek VA Halifax Clover 80 776.18 422 523 195 15% 62% 500 Rappahannock VA Lancaster White Stone 2 184 25 831 560 30% 0% 510 UVA Puller VA Middlesex Topping 15 120 120 1,095 185 59% 32% 516 Dogwood VA Page Stanley 20 360.7 110 2,207													18%	4%
483 Essex Solar Center VA Essex Center Cross 20 106.12 693 360 3% 70% 484 Southampton VA Southampton Newsoms 100 3243.9 - - -3% 78% 494 Walnut VA King and Queen Shacklefords 110 1700 1173 641 165 14% 72% 496 Piney Creek VA Halifax Clover 80 776.18 422 523 195 15% 62% 500 Rappahannock VA Lancaster White Stone 2 184 25 831 560 30% 0% 510 UVA Puller VA Middlesex Topping 15 120 120 1,095 185 59% 32% 516 Dogwood VA Page Stanley 20 360.7 110 2,207 225 12% 22% 518 Fountain Creek VA Greensville Emporia 80 798.3 595			VA						,		5%		17%	18%
484 Southampton VA Southampton Newsoms 100 3243.9 - - 3% 78% 494 Walnut VA King and Queen Shacklefords 110 1700 1173 641 165 14% 72% 496 Piney Creek VA Halifax Clover 80 776.18 422 523 195 15% 62% 500 Rappahannock VA Lancaster White Stone 2 184 25 831 560 30% 0% 510 UVA Puller VA Middlesex Topping 15 120 120 1,095 185 59% 32% 516 Dogwood VA Page Stanley 20 360.7 110 2,207 225 12% 22% 518 Fountain Creek VA Greensville Emporia 80 798.3 595 862 300 6% 23% 557 Winterpock 1 VA Chesterfield Chesterfield 5 60.61 <td>83 E</td> <td>Essex Solar Center</td> <td>VA</td> <td>Essex</td> <td>Center Cross</td> <td>20</td> <td></td> <td></td> <td>693</td> <td>360</td> <td></td> <td></td> <td>27%</td> <td>0%</td>	83 E	Essex Solar Center	VA	Essex	Center Cross	20			693	360			27%	0%
494 Walnut VA King and Queen Shacklefords 110 1700 1173 641 165 14% 72% 496 Piney Creek VA Halifax Clover 80 776.18 422 523 195 15% 62% 500 Rappahannock VA Lancaster White Stone 2 184 25 831 560 30% 0% 510 UVA Puller VA Middlesex Topping 15 120 120 1,095 185 59% 32% 516 Dogwood VA Page Stanley 20 360.7 110 2,207 225 12% 22% 518 Fountain Creek VA Greensville Emporia 80 798.3 595 862 300 6% 23% 557 Winterpock 1 VA Chesterfield Chesterfield 518 308 2,106 350 4% 78% 559 Wood Brothers VA Middlesex Hartfield 5 60.				Southampton		100			_				17%	3%
496 Piney Creek VA Halifax Clover 80 776.18 422 523 195 15% 62% 500 Rappahannock VA Lancaster White Stone 2 184 25 831 560 30% 0% 510 UVA Puller VA Middlesex Topping 15 120 120 1,095 185 59% 32% 516 Dogwood VA Page Stanley 20 360.7 110 2,207 225 12% 22% 518 Fountain Creek VA Greensville Emporia 80 798.3 595 862 300 6% 23% 557 Winterpock 1 VA Chesterfield Chesterfield 518 308 2,106 350 4% 78% 559 Wood Brothers VA Middlesex Hartfield 5 60.61 38.67 878 205 12% 86% 577 Windsor VA Isle of Wight Windsor 85 760.87<		•		•				1173	641	165			13%	1%
500 Rappahannock VA Lancaster White Stone 2 184 25 831 560 30% 0% 510 UVA Puller VA Middlesex Topping 15 120 120 1,095 185 59% 32% 516 Dogwood VA Page Stanley 20 360.7 110 2,207 225 12% 22% 518 Fountain Creek VA Greensville Emporia 80 798.3 595 862 300 6% 23% 557 Winterpock 1 VA Chesterfield Chesterfield 518 308 2,106 350 4% 78% 559 Wood Brothers VA Middlesex Hartfield 5 60.61 38.67 878 205 12% 86% 577 Windsor VA Isle of Wight Windsor 85 760.87 760.87 459 160 8% 71% 579 Spotsylvania VA Spotsylvania Paytes 500 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>24%</td><td>0%</td></t<>													24%	0%
510 UVA Puller VA Middlesex Topping 15 120 120 1,095 185 59% 32% 516 Dogwood VA Page Stanley 20 360.7 110 2,207 225 12% 22% 518 Fountain Creek VA Greensville Emporia 80 798.3 595 862 300 6% 23% 557 Winterpock 1 VA Chesterfield Chesterfield 518 308 2,106 350 4% 78% 559 Wood Brothers VA Middlesex Hartfield 5 60.61 38.67 878 205 12% 86% 577 Windsor VA Isle of Wight Windsor 85 760.87 760.87 459 160 8% 71% 579 Spotsylvania VA Spotsylvania Paytes 500 6412 3500 9% 52% 586 Sweet Sue VA King William Aylett 77 1262 576 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>70%</td><td>0%</td></t<>													70%	0%
516 Dogwood VA Page Stanley 20 360.7 110 2,207 225 12% 22% 518 Fountain Creek VA Greensville Emporia 80 798.3 595 862 300 6% 23% 557 Winterpock 1 VA Chesterfield Chesterfield 518 308 2,106 350 4% 78% 559 Wood Brothers VA Middlesex Hartfield 5 60.61 38.67 878 205 12% 86% 577 Windsor VA Isle of Wight Windsor 85 760.87 760.87 459 160 8% 71% 579 Spotsylvania VA Spotsylvania Paytes 500 6412 3500 9% 52% 586 Sweet Sue VA King William Aylett 77 1262 576 1,617 680 7% 68% 591 Warwick VA Prince George Disputanta 26.5 1090.1 564.53			VA	Middlesex		15	120	120	1.095	185	59%	32%	0%	10%
518 Fountain Creek VA Greensville Emporia 80 798.3 595 862 300 6% 23% 557 Winterpock 1 VA Chesterfield Chesterfield 518 308 2,106 350 4% 78% 559 Wood Brothers VA Middlesex Hartfield 5 60.61 38.67 878 205 12% 86% 577 Windsor VA Isle of Wight Windsor 85 760.87 760.87 459 160 8% 71% 579 Spotsylvania VA Spotsylvania Paytes 500 6412 3500 9% 52% 586 Sweet Sue VA King William Aylett 77 1262 576 1,617 680 7% 68% 591 Warwick VA Prince George Disputanta 26.5 1090.1 564.53 555 115 12% 67% 621 Loblolly VA Surry Spring Grove 150 2181.9 1					11 0				,				65%	0%
557 Winterpock 1 VA Chesterfield Chesterfield 518 308 2,106 350 4% 78% 559 Wood Brothers VA Middlesex Hartfield 5 60.61 38.67 878 205 12% 86% 577 Windsor VA Isle of Wight Windsor 85 760.87 760.87 459 160 8% 71% 579 Spotsylvania VA Spotsylvania Paytes 500 6412 3500 9% 52% 586 Sweet Sue VA King William Aylett 77 1262 576 1,617 680 7% 68% 591 Warwick VA Prince George Disputanta 26.5 1090.1 564.53 555 115 12% 67% 621 Loblolly VA Surry Spring Grove 150 2181.9 1000 1,860 110 7% 62% 622 Woodridge VA Albemarle Scottsville 138 2260.9 <td< td=""><td></td><td>-</td><td>VA</td><td>0</td><td></td><td>80</td><td>798.3</td><td>595</td><td>,</td><td>300</td><td>6%</td><td>23%</td><td>71%</td><td>0%</td></td<>		-	VA	0		80	798.3	595	,	300	6%	23%	71%	0%
559 Wood Brothers VA Middlesex Hartfield 5 60.61 38.67 878 205 12% 86% 577 Windsor VA Isle of Wight Windsor 85 760.87 760.87 459 160 8% 71% 579 Spotsylvania VA Spotsylvania Paytes 500 6412 3500 9% 52% 586 Sweet Sue VA King William Aylett 77 1262 576 1,617 680 7% 68% 591 Warwick VA Prince George Disputanta 26.5 1090.1 564.53 555 115 12% 67% 621 Loblolly VA Surry Spring Grove 150 2181.9 1000 1,860 110 7% 62% 622 Woodridge VA Albemarle Scottsville 138 2260.9 1000 1,106 215 9% 63% 624 Reams VA Dinwiddie Dinwiddie 5 64.1			VA	Chesterfield	•			308	2,106	350	4%	78%	18%	0%
577 Windsor VA Isle of Wight Windsor 85 760.87 760.87 459 160 8% 71% 579 Spotsylvania VA Spotsylvania Paytes 500 6412 3500 9% 52% 586 Sweet Sue VA King William Aylett 77 1262 576 1,617 680 7% 68% 591 Warwick VA Prince George Disputanta 26.5 1090.1 564.53 555 115 12% 67% 621 Loblolly VA Surry Spring Grove 150 2181.9 1000 1,860 110 7% 62% 622 Woodridge VA Albemarle Scottsville 138 2260.9 1000 1,106 215 9% 63% 624 Reams VA Dinwiddie Dinwiddie 5 64.1 37.8 873 270 28% 40%		•	VA			5							0%	2%
579 Spotsylvania VA Spotsylvania Paytes 500 6412 3500 9% 52% 586 Sweet Sue VA King William Aylett 77 1262 576 1,617 680 7% 68% 591 Warwick VA Prince George Disputanta 26.5 1090.1 564.53 555 115 12% 67% 621 Loblolly VA Surry Spring Grove 150 2181.9 1000 1,860 110 7% 62% 622 Woodridge VA Albemarle Scottsville 138 2260.9 1000 1,106 215 9% 63% 624 Reams VA Dinwiddie Dinwiddie 5 64.1 37.8 873 270 28% 40%											8%		21%	0%
586 Sweet Sue VA King William Aylett 77 1262 576 1,617 680 7% 68% 591 Warwick VA Prince George Disputanta 26.5 1090.1 564.53 555 115 12% 67% 621 Loblolly VA Surry Spring Grove 150 2181.9 1000 1,860 110 7% 62% 622 Woodridge VA Albemarle Scottsville 138 2260.9 1000 1,106 215 9% 63% 624 Reams VA Dinwiddie Dinwiddie 5 64.1 37.8 873 270 28% 40%				_									11%	27%
591 Warwick VA Prince George Disputanta 26.5 1090.1 564.53 555 115 12% 67% 621 Loblolly VA Surry Spring Grove 150 2181.9 1000 1,860 110 7% 62% 622 Woodridge VA Albemarle Scottsville 138 2260.9 1000 1,106 215 9% 63% 624 Reams VA Dinwiddie Dinwiddie 5 64.1 37.8 873 270 28% 40%			VA		~	77				680			25%	0%
621 Loblolly VA Surry Spring Grove 150 2181.9 1000 1,860 110 7% 62% 622 Woodridge VA Albemarle Scottsville 138 2260.9 1000 1,106 215 9% 63% 624 Reams VA Dinwiddie Dinwiddie 5 64.1 37.8 873 270 28% 40%				-	•				,				21%	0%
622 Woodridge VA Albemarle Scottsville 138 2260.9 1000 1,106 215 9% 63% 624 Reams VA Dinwiddie Dinwiddie 5 64.1 37.8 873 270 28% 40%				_	•								31%	0%
624 Reams VA Dinwiddie Dinwiddie 5 64.1 37.8 873 270 28% 40%				2					,				28%	0%
									,				32%	0%
633 Brunswick VA Greensville Emporia 150.2 2076.4 1387.3 1,091 240 4% 85%						150.2							11%	0%
642 Belcher 3 VA Louisa Louisa 749.36 658.56 598 180 14% 71%													14%	1%
649 Endless Caverns VA Rockingham New Market 31.5 355 323.6 624 190 15% 27%						31.5							51%	7%
664 Watlington VA Halifax South Boston 20 240.09 137 536 215 24% 48%													28%	0%
672 Spout Spring VA Appomattox Appomattox 60 881.12 673.37 836 335 16% 30%		-											46%	8%

					Total	Used	Avg. Dist	Closest	Adjoin	ing Use	by Acre	
Solar # Name	State	County	City	Output (MW)	Acres	Acres	to home	Home	Res	Agri	Agri/Res	Com
703 Lily Pond	VA	Dinwiddie	Carson	80	1107.5	600	628	110	13%	75%	12%	0%
704 Midway	VA	Albemarle	Batesville	8	136	90	858	340	20%	46%	34%	0%
749 Martin	VA	Goochland	Richmond	5	114.2	114.2	1,491	470	7%	54%	39%	0%
750 Palmer	VA	Fluvanna	Zion Crossroads	5	57	41	525	165	31%	55%	0%	14%
755 Danville	VA	Pittsylvania	Danville	6	72.08	72.08	616	135	22%	63%	15%	0%
756 Martin Trail	VA	Halifax	Clover	6	43	37	254	115	6%	13%	81%	0%
757 Route 360	VA	Halifax	Clover	5.65	110	40	1,957	1,275	6%	18%	76%	0%
769 Cavalier	VA	Surry/Isle of Wig	gh:Elberon	240	5050	3323	1,231	215	2%	78%	20%	0%
772 Riverstone	VA	Buckingham	Arvonia	149.5	1939	1193	814	355	4%	90%	6%	0%
773 Sunfish	VA	Orange	Culpeper	80	1131.5	679.5	1,121	120	4%	13%	38%	44%
776 West Lake	VA	Franklin	Harrisburg	20	592.82	592.82	3,280	1,260	11%	18%	49%	22%
777 Aditya	VA	Louisa	Louisa	11	94.67	60	614	350	15%	85%	0%	0%
781 Waller	VA	Lancaster	Burgess		1400	1400		125	28%	72%	0%	0%
795 Harris Stau		Halifax	South Boston	47	697	697		185	3%	89%	8%	0%
803 Hickory	VA	Chesterfield	Chesterfield	4.7	95.21	22	,	325	8%	22%	70%	0%
809 Mountain B		Franklin	Wirtz	20			427	195	24%	21%	54%	1%
812 Prince Edwa		Prince Edward		25	369.2	369.2		660	0%	55%	45%	0%
813 Redbud	VA	Frederick	Winchester	30		262.99		150	29%	55%	17%	0%
829 OFW	VA	Shenandoah	Mount Jackson	20	126.64			110	6%	57%	31%	6%
831 Knight	VA	Rockingham	Shenandoah	70		461.59		240	0%	100%	0%	0%
833 Dayton Way		Rockingham	Dayton	4	50.7	50.7		100	45%	53%	2%	0%
834 Firefly	VA	Pittsylvania			3143	3143		200	12%	73%	15%	0%
854 Reeve	VA	Prince Edward	Pamplin	5	164.7	164.7		1,195	7%	71%	22%	0%
858 360 Solar Co		Chesterfield	Skinquarter	100	2000		.,	235	1%	97%	2%	0%
864 Purdy	VA	Greensville	Purdy	65	596			250	5%	66%	29%	0%
865 Clover Cree		Halifax	Clover	90	1472		,	310	10%	89%	1%	0%
870 Pineside	VA	Buckingham	Scottsville	74.9	2242	2242	., -	500	22%	51%	27%	0%
872 Rosalind	VA	Greensville	Emporia	160	1795	1795		500	8%	86%	7%	0%
879 Wheelhouse		Lunenburg	Victoria	912.47	60		., .	900	7%	41%	51%	0%
880 Elam	VA	Prince Edward	Pamplin	138.9	3		,	425	22%	66%	12%	0%
881 Helios	VA VA	Pulaski Stafford	Pulaski Stafford	11.45 3	141.76 36.76			225	48%	28%	24% 0%	0% 0%
882 Enon 900 Land of Pro				5 5		36.76 134.66		120 785	37% 44%	63% 48%	8%	0%
	mise va VA	Chesapeake	Chesapeake	2			,					
901 Pocaty	VA	Chesapeake	Chesapeake	2	27.22	27.22	032	445	21%	79%	0%	0%
					Total	Used	Avg. Dist	Closest	Adjoin	ing Use	by Acre	
				Output (MW)	Acres	Acres	to home	Home	Res	Agri	Agri/Res	Com
			Average	64.6	815.0	624.2	1059	327	14%	6 54%	28%	4%
			Median	20.0	482.9	331.8	836	215	10%	6 57%	22%	0%
			High	912.5	6412.0	3500.0	3280	1280	59%	6 100%	92%	44%
			Low	2.0	3.0	3.0	254	100	0%	6 0%	6 0%	0%

On the following pages I have included summary data on constructed solar farms from the list indicated above. Similar information is available for the larger set of solar farms in the adjoining states in my files if requested.





This project was proposed in 2017 and located on 460 acres with the closest home proposed to be 150 feet from the closest solar panel.

Adjoining Use Breakdown

	Acreage	Parcels
Residential	5.95%	71.79%
Agricultural	78.81%	20.51%
Agri/Res	15.24%	7.69%
Total	100.00%	100.00%

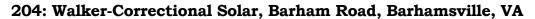
121: Scott Solar Project, 1580 Goodes Bridge Rd, Powhatan, VA



This project was built in 2016 and located on 165 acres out of 898 acres for a 17 MW with the closest home proposed to be 730 feet from the closest solar panel.

Adjoining Use Breakdown

	Acreage	Parcels
Residential	28.83%	78.57%
Agri/Res	43.52%	3.57%
Agricultural	27.65%	17.86%
Total	100.00%	100.00%





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.

	Acreage	Parcels
Residential	12.59%	76.92%
Agricultural	67.71%	15.38%
Agri/Res	19.70%	7.69%
Total	100.00%	100.00%





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.

	Acreage	Parcels
Residential	12.59%	76.92%
Agricultural	67.71%	15.38%
Agri/Res	19.70%	7.69%
Total	100.00%	100.00%





This project was built in 2016 for a solar project on a 1,000-acre assemblage for an 80 MW facility. The closest home is 135 feet from the closest panel.

	Acreage	Parcels
Residential	8.18%	63.74%
Agricultural	75.16%	30.77%
Agri/Res	16.56%	3.30%
Substation	0.08%	1.10%
Church	0.01%	1.10%
Total	100.00%	100.00%





This project was built in 2017 for a solar project on a 125-acre tract for a 20 MW facility. There were some recent home sales adjoining this project, but it was difficult to do any matched pairs. One sale was an older home in very poor condition according to the broker and required crossing railroad tracks on a private road to get access to the home and located across from a large industrial building. The other sale is a renovated historic home on a large tract of land just one parcel north of the large industrial building. These sales essentially have too much static around them to isolate any impacts separate from these other factors.

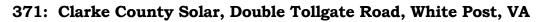
	Acreage	Parcels
Residential	10.24%	65.38%
Agricultural	40.79%	19.23%
Agri/Res	30.87%	7.69%
Warehouse	0.82%	3.85%
Substation	17.28%	3.85%
Total	100.00%	100.00%





This project was built in 2017 and located on 180.17 acres for a 20 MW facility.

	Acreage	Parcels
Residential	5.44%	80.77%
Agricultural	92.01%	15.38%
Warehouse	2.55%	3.85%
Total	100.00%	100.00%





This project was built in 2017 and located on a portion of a 234.84-acre tract for a 20 MW facility.

	Acreage	Parcels
Residential	13.70%	74.19%
Agricultural	38.89%	6.45%
Agri/Res	46.07%	6.45%
Commercial	0.19%	6.45%
Warehouse	0.85%	3.23%
Substation	0.30%	3.23%
Total	100.00%	100.00%





This project was built in 2016 for a solar project on a 211.12-acre tract for a 19.7 MW facility. The closest single-family home is 190 feet away from the closest solar panel. The average distance is 606 feet.

	Acreage	Parcels
Residential	8.85%	46.15%
Agricultural	91.08%	46.15%
Cell Tower	0.07%	7.69%
Total	100.00%	100.00%

374: Whitehouse Solar, Chalklevel Road, Louisa, VA



This project was built in 2016 for a solar project on a 499.52-acre tract for a 20 MW facility. The closest single-family home is 110 feet away from the closest solar panel. The average distance is 1,195 feet.

	Acreage	Parcels
Residential	23.55%	70.27%
Agricultural	54.51%	10.81%
Agri/Res	18.22%	2.70%
Commercial	2.49%	13.51%
Industrial	1.22%	2.70%
Total	100 00%	100 00%

484: Essex Solar, Tidewater Trail, Center Cross, VA

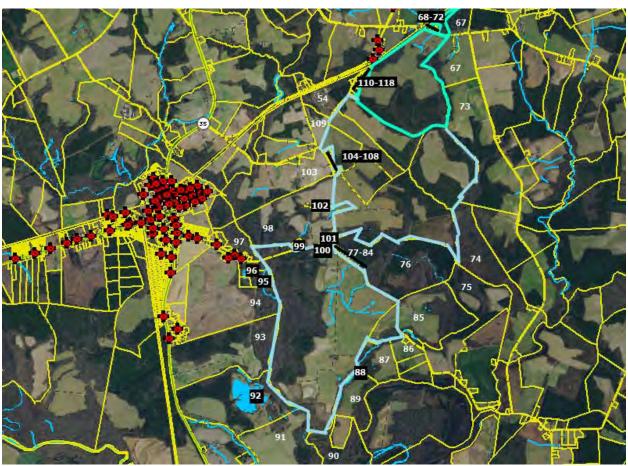


This project was built in 2017 for a solar project on a 106.12-acre tract for a 20 MW facility. The closest single-family home is 360 feet away from the closest solar panel. The average distance is 693 feet.

	Acreage	Parcels
Residential	3.13%	57.89%
Agricultural	69.65%	26.32%
Agri/Res	26.99%	10.53%
Religious	0.23%	5.26%
Total	100.00%	100.00%

485: Southampton Solar, General Thomas Hwy, Newsoms, VA







This project was built in 2017 for a solar project on an assemblage of 3,244 acres for a 100 MW facility.

	Acreage	Parcels
Residential	2.56%	53.33%
Agricultural	77.99%	36.67%
Agri/Res	16.56%	8.33%
Industrial	2.89%	1.67%
Total	100.00%	100.00%

VII. 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 property. 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, Louisiana, and New Jersey.

Wherever I have looked at solar farms, I have derived a breakdown of the adjoining uses to show what adjoining uses are typical for solar farms and what uses would likely be considered consistent with a solar farm use similar to the breakdown that I've shown for the subject property on the previous page. 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 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.

On the following pages I have considered matched pair data specific to Virginia and Kentucky.

In the next section I have considered matched pair data throughout the Southeast of the United States as being the most similar states that would most readily compare to Virginia. This includes data from Florida, Georgia, South Carolina, North Carolina, Tennessee, Virginia and Maryland. I focused on projects of 5 MW and larger though I have significant supplemental data on solar farms just smaller than that in North Carolina that show similar results. This data is available in my files.

I have additional supporting information from other states in my files that show a consistent pattern across the United States, but again, I have focused on the Southeast in this analysis.

A. Virginia Data

I have identified matched pairs adjoining the solar farms noted above. I have also included data from a solar farm in Kentucky that does a good job of illustrating distant views of solar panels in relation to adjoining housing.

The following pages detail the matched pairs and how they were derived.

1. Matched Pair - Clarke County Solar, Clarke County, VA



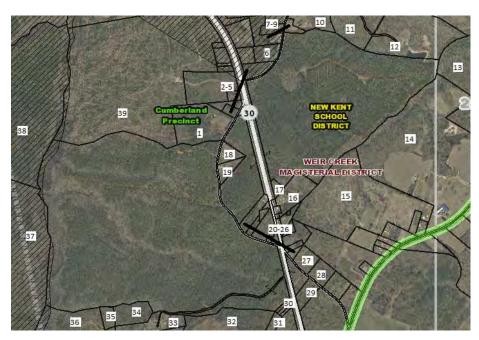
This project is a 20 MW facility located on a 234-acre tract that was built in 2017.

I have considered two recent sales of 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. This home sold in January 2017 for \$295,000 and again in August 2019 for \$385,000. I show each sale below and compare those to similar home sales in each time frame. The significant increase in price between 2017 and 2019 is due to a major kitchen remodel, new roof, and related upgrades as well as improvement in the market in general. The sale and later resale of the home with updates and improvements speaks to pride of ownership and increasing overall value as properties perceived as diminished are less likely to be renovated and sold for profit.

I note that 102 Tilthammer includes a number of barns that I did not attribute any value in the analysis. The market would typically give some value for those barns but even without that adjustment there is an indication of a positive impact on value due to the solar farm. The landscaping buffer from this home is considered light.

Adjoin	ing R	esid	lential	Sales After	r Solar F	arm Approv	ed							
Parcel	Sola	ar	Ad	dress	Acres	Date Sold	Sales Price	Built	GBA	\$/GLA	BR/BA	Park	Style	Other
3	Adjoi	ns	833 Na	ations Spr	5.13	8/18/2019	\$385,000	1979	1,392	\$276.58	3/2	Det Gar	Ranch	UnBsmt
	No	t	167	Leslie (5.00	8/19/2020	\$429,000	1980	1,665	\$257.66	3/2	Det2Gar	Ranch	
	No	t	2393 C	old Chapel	2.47	8/10/2020	\$330,000	1974	1,500	\$220.00	3/1.5	Det Gar	Ranch	
	No	t	102 Ti	lthammer	6.70	5/7/2019	\$372,000	1970	1,548	\$240.31	3/1.5	Det Gar	Ranch	UnBsmt
Adjoi	ning	Sal	es Ad	justed								Av	g	
Tin	ıe -	5	Site	YB	GLA	BR/BA	Park	Other	r '	Total	% Diff	f % D	iff I	Distance
									\$3	85,000				1230
-\$13,	268			-\$2,145	-\$56,27	72	-\$5,000	\$50,00	00 \$4	02,315	-4%			
-\$9,9	956	\$2	5,000	\$8,250	-\$19,00	08 \$5,000)	\$50,00	00 \$3	89,286	-1%			
\$3,2	29	·	,	\$16,740	-\$29,99	91 \$5,000)	, ,	\$3	866,978	5%			
40,2				410,1.10	4-2,2	γο,σσο			40	.00,5.0	0,0	0%	6	
Adjoin	ing R	esid	lential	Sales After	r Solar F	arm Approv	ed							
Parcel	Sola	ar	Ad	dress	Acres	Date Sold	Sales Price	Built	GBA	\$/GLA	BR/BA	Park	Style	Other
3	Adjoi	ns	833 N	ations Spr	5.13	1/9/2017	\$295,000	1979	1,392	\$211.93	3/2	Det Gar	Ranch	UnBsmt
	No	t	6801	l Middle	2.00	12/12/2017	\$249,999	1981	1,584	\$157.83	3/2	Open	Ranch	
	No	t	4174	Rockland	5.06	1/2/2017	\$300,000	1990	1,688	\$177.73	3/2	2 Gar	2-story	7
	No	t	400 S	Sugar Hill	1.00	6/7/2018	\$180,000	1975	1,008	\$178.57	3/1	Open	Ranch	
Adjoi	ning	Sal	es Ad	justed								Av	g	
Tin	1e	5	Site	YB	GLA	BR/BA	Park	Other	r '	Total	% Diff	f % D	iff I	Distance
									\$2	295,000				1230
-\$7,1	100	\$2	5,000	-\$2,500	-\$24,24	12	\$5,000	\$50,00	00 \$2	96,157	0%			
\$17	7			-\$16,500	-\$42,08	35	-\$10,000	\$50,00	00 \$2	281,592	5%			
-\$7,7	797			\$3,600	\$54,85	7 \$10,000	\$5,000	\$50,00	00 \$2	95,661	0%			
. ,					. ,	. ,	. ,	. ,		•		19	6	

2. Matched Pair - Walker-Correctional Solar, Barham Road, Barhamsville, 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 Sola	r Farm	Annrowed
Aujoining	Residential	Sales	AILEL SOIS	rarm	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 S	ales A	diusted
-------------	--------	---------

		- 3	3	J							
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 since it is 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.

3. Matched Pair - Sappony Solar, Sussex County, VA

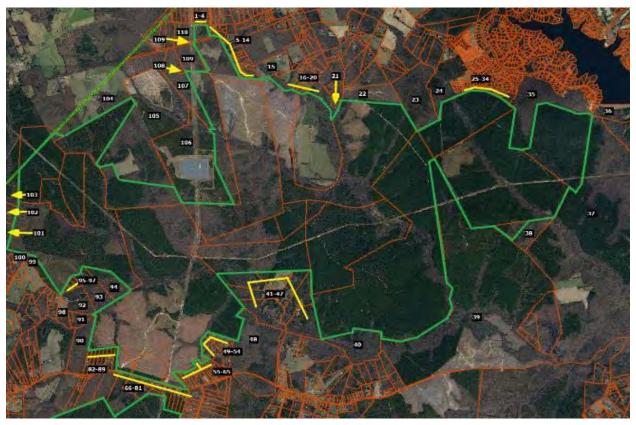


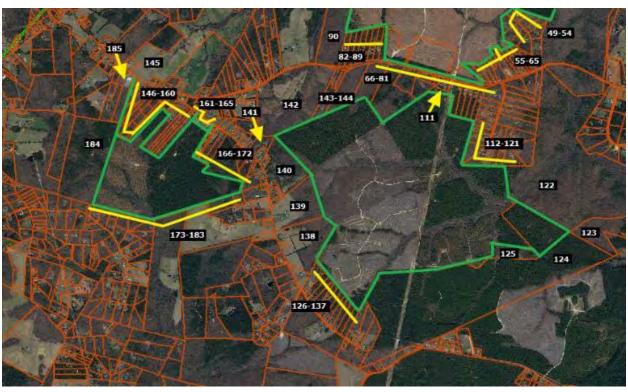
This project is a 30 MW facility located on a 322.68-acre tract that was built in the fourth quarter of 2017.

I have considered the 2018 sale of Parcel 17 as shown below. This was a 1,900 s.f. manufactured home on a 6.00-acre lot that sold in 2018. I have compared that to three other nearby manufactured homes as shown below. The range of impacts is within typical market variation with an average of -1%, which supports a conclusion of no impact on property value. The landscaping buffer is considered medium.

Adjoin	ing Resid	lential	Sales Afte	r Solar F	arm Approv	ed							
Parcel	Solar	Ad	dress	Acres	Date Sold	Sales Price	Built	GBA	\$/GLA	BR/BA	Park	Styl	e Other
	Adjoins	12511	Palestine	6.00	7/31/2018	\$128,400	2013	1,900	\$67.58	4/2.5	Open	Manı	ıf
	Not	15698	Concord	3.92	7/31/2018	\$150,000	2010	2,310	\$64.94	4/2	Open	Manı	ıf Fence
	Not	23209	9 Sussex	1.03	7/7/2020	\$95,000	2005	1,675	\$56.72	3/2	Det Crpt	Manı	ıf
	Not	6494	Rocky Br	4.07	11/8/2018	\$100,000	2004	1,405	\$71.17	3/2	Open	Manı	ıf
Adjoining Sales Adjusted Avg													
Tin	ie S	Site	YB	GLA	BR/BA	A Park	Othe	r 1	'otal	% Dif	f % D	iff	Distance
								\$1	28,400				1425
\$0)		\$2,250	-\$21,2	99 \$5,000)		\$1	35,951	-6%			
-\$5,6	560 \$1	3,000	\$3,800	\$10,20	9 \$5,000	\$1,500		\$1	22,849	4%			
-\$84	13		\$4,500	\$28,18	35			\$1	31,842	-3%			
											-19	%	

4. Matched Pair - Spotsylvania Solar, Paytes, 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 500 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 Catharpin 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	

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%

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

Time	Ac/Loc	YB	GLA	BR/BA	Park	Other	Total	% Diff	Dist
							\$449,900		1950
-\$2,661	\$45,000	-\$3,900	\$4,369	-\$10,000	-\$5,000		\$417,809	7%	
-\$3,624		-\$31,844	-\$19,187		-\$5,000		\$430,246	4%	
-\$3,030		\$14,550	\$13,875	-\$15,000	-\$15,000	-\$10,000	\$470,396	-5%	
	-\$2,661 -\$3,624	-\$2,661 \$45,000 -\$3,624	-\$2,661 \$45,000 -\$3,900 -\$3,624 -\$31,844	-\$2,661 \$45,000 -\$3,900 \$4,369 -\$3,624 -\$31,844 -\$19,187	-\$2,661 \$45,000 -\$3,900 \$4,369 -\$10,000 -\$3,624 -\$31,844 -\$19,187	-\$2,661 \$45,000 -\$3,900 \$4,369 -\$10,000 -\$5,000 -\$3,624 -\$31,844 -\$19,187 -\$5,000	-\$2,661 \$45,000 -\$3,900 \$4,369 -\$10,000 -\$5,000 -\$3,624 -\$31,844 -\$19,187 -\$5,000	\$449,900 -\$2,661 \$45,000 -\$3,900 \$4,369 -\$10,000 -\$5,000 \$417,809 -\$3,624 -\$31,844 -\$19,187 -\$5,000 \$430,246	\$449,900 -\$2,661 \$45,000 -\$3,900 \$4,369 -\$10,000 -\$5,000 \$417,809 7% -\$3,624 -\$31,844 -\$19,187 -\$5,000 \$430,246 4%

Average Diff 2%

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 B	smt/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%	

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.

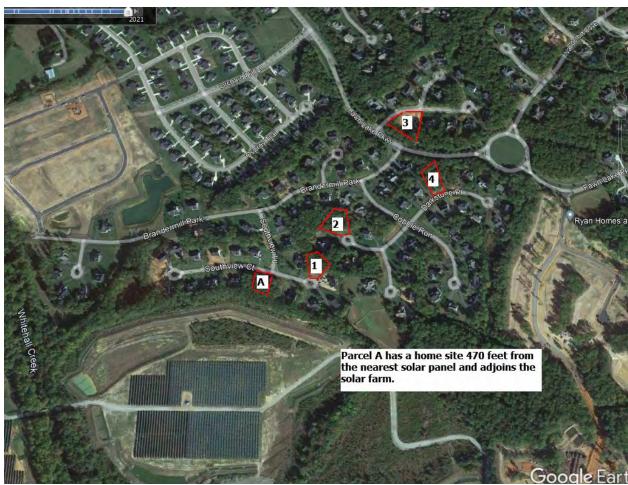
There are a couple of recent lot sales located along Southview Court that have sold since the solar farm was approved. The most recent lot sales include 11700 Southview Court that sold on December 29, 2021 for \$140,000 for a 0.76-acre lot. This property was on the market for less than 2 months before 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 A	Solar? Adjoins	Address 11700 Southview Ct	Acres	Sale Date 12/29/2021	Sale Price Ad	For Time 9	6 Diff
	•	11603 Southview Ct	0.44	· · · · · · · · · · · · · · · · · · ·		\$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%
						erage dian	7.1% 7.0%
					Least Adjuste 2nd Least Adj (Parcel 1 off s	usted	15.7% -1.4%

Time Adjustments are based on the FHFA Housing Price Index

5. Matched Pair - Crittenden Solar, Crittenden, 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 five home sales to the north of this solar farm on Clairborne Drive and one home sale to the south on Eagle Ridge Drive since the completion of this solar farm. The home sale on Eagle Drive is for a \$75,000 home and all of the homes along that street are similar in size and price range. According to local broker Steve Glacken with Cutler Real Estate these are the lowest price range/style home in the market. I have not analyzed that 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 \$280,000 price range. The vacant residential lots are being marketed for \$28,000 to \$29,000. 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.

-11%

-1%

\$255,712

\$248,225

\$239,776

-1%

Adjoin	ing Reside	ential Sales Afte	r Solar F	arm Approve	e d							
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	

Adjustm	ients										Avg	
Solar	Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	% 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%		
											E0/	

I also looked at three other home sales on this street as shown below. These are stick-built homes and show a higher price range.

Adjoini	Adjoining Residential Sales After Solar Farm Approved													
Parcel	Solar	Ad	ldress	Acres	Date So	ld S	Sales Price	Built	GBA	\$/GBA	BR/B	A Park	Style	Other
	Adjoins	300 C	Claiborne	1.08	9/20/20)18	\$212,720	2003	1,568	\$135.66	3/3	2-Car	Ranch	Brick
	Not	460 C	Claiborne	0.31	1/3/20	19	\$229,000	2007	1,446	\$158.37	3/2	2-Car	Ranch	Brick
	Not	2160	Sherman	1.46	6/1/20	19	\$265,000	2005	1,735	\$152.74	3/3	2-Car	Ranch	Brick
	Not	215 L	exington	1.00	7/27/20	18	\$231,200	2000	1,590	\$145.41	5/4	2-Car	Ranch	Brick
Adjustn	nents												Avg	
Solar	Addre	ess	Time	Site	YB	GI	LA BR/E	BA Park	Otl	ner To	tal	% Diff	% Diff	Distance
Adjoins	300 Clai	borne								\$213	3,000			488
Not	460 Clai	borne	-\$2,026		-\$4,580	\$15,	,457 \$5,00	00		\$242	2,850	-14%		
Not	2160 She	erman	-\$5,672		-\$2,650	-\$20	,406			\$236	5,272	-11%		
Not	215 Lexi	ngton	\$1,072		\$3,468	-\$2,	,559 -\$5,0	00		\$228	3,180	-7%		

This set of matched pairs shows a minor negative impact for this property. I was unable to confirm the sales price or conditions of this sale. The best indication of value is based on 215 Lexington, which required the least adjusting and supports a -7% impact.

Adjoini	ng Resid	ential Sales	After Solar	Farm Appro	oved								
Parcel	Solar	Address	Acres	Date So	ld Sales	s Price l	Built	GBA	\$/GBA	BR/BA	Park	Style	Other
	Adjoins	350 Claibo	rne 1.00	7/20/20	18 \$24	5,000	2002	1,688	\$145.14	3/3	2-Car	Ranch	Brick
	Not	460 Claibo	rne 0.31	1/3/201	19 \$22	9,000	2007	1,446	\$158.37	3/2	2-Car	Ranch	Brick
	Not	2160 Shern	nan 1.46	6/1/20	19 \$26	5,000	2005	1,735	\$152.74	3/3	2-Car	R/FBsm	t Brick
	Not	215 Lexing	ton 1.00	7/27/20	18 \$23	1,200	2000	1,590	\$145.41	5/4	2-Car	Ranch	Brick
Adjustn	nents											Avg	
Solar	Addr	ess Ti	ne Site	YB	GLA	BR/BA	Park	Otl	ier To	tal %	Diff	% Diff	Distance
Adjoins	350 Clai	borne							\$245	5,000			720

-\$5,725 \$30,660

\$2,312 \$11,400 -\$5,000

-\$3,975 -\$5,743

Not

Not

Not

460 Claiborne

215 Lexington

2160 Sherman -\$7,057

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 a 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.

		~ 1	~ .	_	
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

Adjustm	ients										Avg	
Solar	Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	% 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		

											Avg	
Solar	Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	% 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		

										Avg	
Solar	Address	Time	YB	GLA	BR/BA	Park	Other	Total	% Diff	% 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 Res	sidential (Sales Afte	r Solar	Farm 1	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

										Avg	
Solar	Address	Time	YB	GLA	BR/BA	Park	Other	Total	% Diff	% 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 considered the sale of a home across the street that did not back up to the solar farm and it adjusted to well below the range of the other comparables. I have included it, but would not rely on that which means this next comparable strongly supports a range of 0 to +3% and not up to +19%.

d.	ioinina	Residential	Sales	After	Solar	Farm	Ru ilt
u.	DIMINE	residentiai	Saics .	WILET	SULAL	raim	Duiii

Solar	Address	Acres	Date Soid	Sales Price	Duilt	GDA	φ/GDA	DK/DA	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

										Avg	
Solar	Address	Time	YB	GLA	BR/BA	Park	Other	Total	% Diff	% 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 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 8	Sales After	Solar I	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

										Avg	
Solar	Address	Time	YB	GLA	BR/BA	Park	Other	Total	% Diff	% 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%		
										60/-	

The nine matched pairs considered in this analysis includes five that show no impact on value, one that shows a negative impact on value, and three that show a positive impact. The negative indication supported by one matched pair is -7% and the positive impacts are +6% and +7%. The two neutral indications show impacts of -5% to +5%. The average indicated impact is +2% when all nine of these indicators are blended.

Furthermore, the comments of the local real estate brokers strongly support the data that shows no negative impact on value due to the proximity to the solar farm.

6. Matched Pair - White House Solar, Louisa, VA



This project was built in 2016 for a solar project on a 499.52-acre tract for a 20 MW facility. The closest single-family home is 110 feet away from the closest solar panel. The average distance is 1,195 feet.

I have identified one recent adjoining home sale to the north of this project that sold in 2020. I spoke with the broker, Stacie Chandler, who represented the buyer in that transaction. She indicated that the solar farm had no impact on the price that they negotiated on that home. That is supported by the matched pair shown below.

The adjustments shown below make no adjustment for the difference in acreage for the smaller parcels. One of these is on a smaller lot, but located in a golf course community with rear exposure to the golf course. The other is in Mineral and while the lots are not the same size, they are similarly valued. I also adjusted this property upward by \$50,000 for the condition/lack of renovation. This adjustment is based on the fact that this home was renovated following the 2020 purchase and then resold in 2021 for \$75,000 more than the 2020 value. Comparing the 2021 renovated price at \$144/s.f. to the subject property and adjusting on the same rates would require a downward adjustment to the comparable of \$10,400 for time, upward by \$8,325 for year built, and downward by \$5,000 for the extra half bathroom for an indicated adjusted value of \$252,925 which suggests a 5% reduction in value due to the solar farm. Either way this comparable requires significant adjustments and suggests a range of -5% to 0% impact. The Woodger comparable required less

adjustment and suggests an 11% enhancement due to proximity to the solar farm and that is without any consideration of this home having a superior exposure to a golf course.

Whitehouse Solar

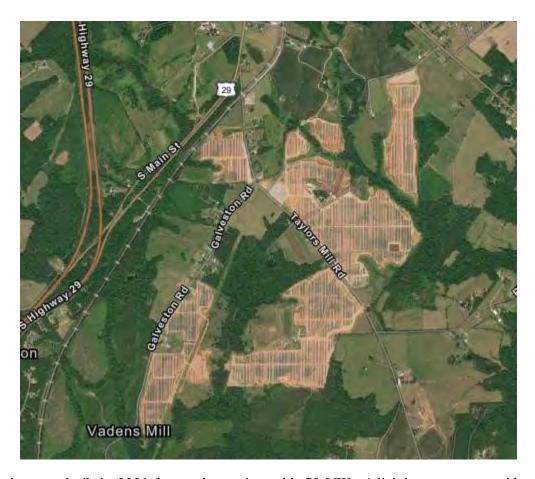
Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	\$/GBA	BR/BA	Park	Style	Other
Adjoins	127 Walnut Wds	4.09	3/27/2020	\$240,000	1984	1,824	\$131.58	3/2	2 Gar	Br Rnch	Reno
Not	126 Woodger	0.63	4/29/2019	\$240,000	1992	1,956	\$122.70	3/2+2	2 Gar	Br Rnch	Golf
Not	808 Virginia	0.51	3/16/2020	\$185,000	1975	1,806	\$102.44	3/2.5	2 Gar	Br Rnch	
Not	273 Carsons	3.94	9/29/2018	\$248,500	1985	2,224	\$111.74	4/3	Drive	Ranch	Not Brck

Adjoining Sales Adjusted											
Address	Time	Ac/Loc	YB	GLA	BR/BA	Park	Other	Total	% Diff	Dist	
127 Walnut Wds								\$240,000		1400	
126 Woodger	\$6,569		-\$9,600	-\$12,957	-\$10,000			\$214,012	11%		
808 Virginia	\$167		\$8,325	\$1,475	-\$5,000		\$50,000	\$239,967	0%		
273 Carsons	\$11,131		-\$1,243	-\$35,755	-\$10,000	\$15,000	\$12,425	\$240,059	0%		
							Ave	erage Diff	4%		

These matched pairs are generally challenging in that one is shown before and after a renovation suggesting impacts of -5% to 0%. The comparable requiring the least adjustment is on a golf course but it also was not recently renovated which makes it less reliable. Finally, the Carsons property was similar, but older and is not brick. While I adjusted for those factors it really does not make for a great matched pair.

The best indication by the matched pairs is -5% to 0%. The broker involved in the transaction indicated that the solar farm had no impact on property value. Given those comments and the range of impacts shown, I conclude that this home sale near the White House solar project indicates no impact on property value.

7. Matched Pair - Whitehorn Solar, Gretna, Pittsylvania, 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.

8. Matched Pair - 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 give 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.



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.



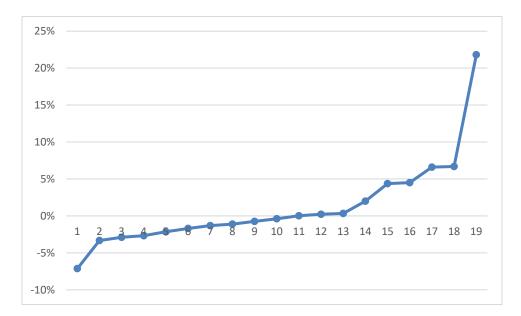
Conclusion

The solar farm matched pairs shown above have similar characteristics to each other in terms of population, but with several outliers showing solar farms in far more urban areas. The median income for the population within 1 mile of a solar farm among this subset of matched pairs is \$58,651 with a median housing unit value of \$264,681. Most of the comparables are under \$500,000 in the home price, with \$483,333 being the high end of the set, though I have matched pairs in other states over \$1,600,000 in price adjoining large solar farms. The predominate adjoining uses are residential and agricultural. These figures are in line with the larger set of solar farms that I have looked at with the predominant adjoining uses being residential and agricultural and similar to the solar farm breakdown shown for Virginia and adjoining states as well as the proposed subject property.

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 (2010-2022 Data)			
						Торо						Med.	Avg. Housing	
	Name	City	State	Acres	$\mathbf{M}\mathbf{W}$	Shift	Res	Ag	Ag/Res	Com/Ind	Population	Income	Unit	Veg. Buffer
1	Clarke Cnty	White Post	VA	234	20.00	70	14%	39%	46%	1%	578	\$81,022	\$374,453	Light
2	Walker	Barhamsville	VA	485	20.00	N/A	12%	68%	20%	0%	203	\$80,773	\$320,076	Light
3	Sappony	Stony Crk	VA	322	20.00	N/A	2%	98%	0%	0%	74	\$51,410	\$155,208	Medium
4	Spotyslvania	Paytes	VA	3,500	500.00	160	37%	52%	11%	0%	74	\$120,861	\$483,333	Med to Hvy
5	Crittenden	Crittenden	KY	34	2.70	40	22%	51%	27%	0%	1,419	\$60,198	\$178,643	Light
6	White House	Louisa	VA	500	20.00	N/A	24%	55%	18%	3%	409	\$57,104	\$209,286	Medium
7	Whitehorn	Gretna	VA	N/A	50.00	N/A	N/A	N/A	N/A	N/A	166	\$43,179	\$168,750	None to Lgt
8	Altavista	Altavista	VA	720	80.00	N/A	N/A	N/A	N/A	N/A	7	\$50,000	\$341,667	Light
	Average			828	89.09	90	19%	61%	20%	1%	366	\$68,068	\$278,927	
	Median			485	20.00	70	18%	54%	19%	0%	185	\$58,651	\$264,681	
	High			3,500	500.00	160	37%	98%	46%	3%	1,419	\$120,861	\$483,333	
	Low			34	2.70	40	2%	39%	0%	0%	7	\$43,179	\$155,208	
	Moonlight													
	1 Mile Radius			524	44.00	5	5%	92%	3%	0%	79	\$78,887	\$350,000	
	3 Mile Radius			524	44.00	5	5%	92%	3%	0%	954	\$80,159	\$349,425	
	5 Mile Radius			524	44.00	5	5%	92%	3%	0%	3,999	\$82,691	\$341,621	

On the following page is a summary of the matched pairs for all of the solar farms noted above. They show a pattern of results from -7% to +22% with an average of 1% and a median finding of 0%. As can be seen in the chart of those results below, most of the data points are between -3% and +2%. This variability is common with real estate and consistent with market "static." I therefore conclude that these results strongly support an indication of no impact on property value due to the adjacent solar farm. Only 1 of the 19 data points show a negative impact greater than the typical variability due to market imperfection, while 4 of the 19 data points show a positive impact. This leaves 14 of the 19 indications showing no impact and within the typical market variability/imperfection that would be expected for any property.



I have further broken down these results based on the MWs, Landscaping, and distance from panel to show the following range of findings for these different categories.

This breakdown shows no homes between 100-200 feet. Solar farms up to 75 MW show homes between 201 and 500 feet with no impact on value. Most of the findings are for homes between 201 and 500 feet.

Light landscaping screens are showing no impact on value at any distances, though solar farms over 75.1 MW only show Medium and Heavy landscaping screens in 4 of the examples identified.

Residential Dwelling Matched Pairs Adjoining Solar Farms

	Ü	·	Ü		Approx				Adj. Sale	•	Veg.
Pair Solar Farm 1 Clarke Cnty	City White Post	State VA	Area Rural	MW 20	Distance 1230	Tax ID/Address 833 Nations Spr	Date Jan-17	Sale Price \$295,000	Price	% Diff I	Buffer Light
						6801 Middle	De c-17	\$249,999	\$296,157	0%	
2 Walker	Barhamsville	VA	Rural	20	250	5241 Barham	Oct-18	\$264,000		I	Light
						9252 Ordinary	Jun-19	\$277,000	\$246,581	7%	
3 Clarke Cnty	White Post	VA	Rural	20	1230	833 Nations Spr	Aug-19	\$385,000		I	Light
						2393 Old Chapel	Aug-20	\$330,000	\$389,286	-1%	
4 Sappony	Stony Creek	VA	Rural	20	1425	12511 Palestine	Jul-18	\$128,400			Medium
						6494 Rocky Branch	Nov-18	\$100,000	\$131,842	-3%	
5 Spotsylvania	Paytes	VA	Rural	617	1270	12901 Orange Plnk	Aug-20	\$319,900			Medium
	_					12717 Flintlock	De c-20	\$290,000	\$326,767	-2%	
6 Spotsylvania	Paytes	VA	Rural	617	1950	9641 Nottoway	May-20	\$449,900	4400 046		Medium
70 . 1 .	D (774	D 1	617	1171	11626 Forest	Aug-20	\$489,900	\$430,246	4%	
7 Spotsylvania	Paytes	VA	Rural	617	1171	13353 Post Oak	Sep-20	\$300,000	#000 000	0%	Heavy
						12810 Catharpin	Jan-20	\$280,000	\$299,008		
8 Crittenden	Crittenden	KY	Suburban	2.7	373	250 Claiborne	Jan-19	\$120,000	4		ight
						315 N Fork	May-19	\$107,000	\$120,889	-1%	
9 Crittenden	Crittenden	KY	Suburban	2.7	488	300 Claiborne	Sep-18	\$213,000			ight
						1795 Bay Valley	Dec-17	\$231,200	\$228,180	-7%	
10 Crittenden	Crittenden	KY	Suburban	2.7	720	350 Claiborne	Jul-18	\$245,000	4		ight
						2160 Sherman	Jun-19	\$265,000	\$248,225	-1%	
11 Crittenden	Crittenden	KY	Suburban	2.7	930	370 Claiborne	Aug-19	\$273,000			ight
						125 Lexington	Apr-18	\$240,000	\$254,751	7%	
12 Crittenden	Crittenden	KY	Suburban	2.7	665	330 Claiborne	Dec-19	\$282,500			ight
						2160 Sherman	Jun-19	\$265,000	\$290,680	-3%	
13 Crittenden	Crittenden	KY	Suburban	2.7	390	260 Claiborne	Oct-21	\$175,000			ight
						546 Waterworks	Apr-21	\$179,500	\$171,510	2%	
14 Crittenden	Crittenden	KY	Suburban	2.7	570	300 Claiborne	Dec-21	\$290,000			ight
						39 Pinhook	Mar-22	\$299,000	\$289,352	0%	
15 Crittenden	Crittenden	KY	Suburban	2.7	1080	410 Claiborne	Feb-21	\$275,000			ight
						114 Austin	Dec-20	\$248,000	\$279,680	-2%	
16 White House	Louisa	VA	Rural	20	1400	127 Walnut	Mar-20	\$240,000			ight
						126 Woodger	Apr-19	\$240,000	\$239,967	0%	
17 Whitehorn	Gretna	VA	Rural	50	255	1120 Taylors Mill	Dec-21	\$224,000		L	ight
						1000 Long Branch	Aug-20	\$162,000	\$213,920	5%	
18 Altavista	Altavista	VA	Rural	80	540	3211 Leesville	Mar-22	\$124,048		L	ight
						3211 Leesville	Dec-18	\$72,500	\$97,000	22%	
19 Altavista	Altavista	VA	Rural	80	600	3026 Bishop Crk	Feb-22	\$150,000		H	Heavy
						3026 Bishop Crk	Jul-19	\$120,000	\$155,000	-3%	

		Avg.
	МW	Distance
Average	114.87	870
Median	20.00	720
High	617.00	1,950
Low	2.70	250

	Indicated
	Impact
Average	1%
M edian	0%
High	22%
Low	-7%

MW Range 4.4 to 10									
Landscaping	Light	Light	Light	Medium	Medium	Medium	Heavy	Heavy	Heavy
Distance	100-200	201-500	500+	100-200	201-500	500+	100-200	201-500	500+
Average	N/A	-2%	4%	N/A	N/A	N/A	N/A	N/A	N/A
Median	N/A	-1%	-1%	N/A	N/A	N/A	N/A	N/A	N/A
High	N/A	2%	22%	N/A	N/A	N/A	N/A	N/A	N/A
Low	N/A	-7%	-3%	N/A	N/A	N/A	N/A	N/A	N/A
10.1 to 30									
Landscaping	Light	Light	Light	Medium	Medium	Medium	Heavy	Heavy	Heavy
Distance	100-200	201-500	500+	100-200	201-500	500+	100-200	201-500	500+
Average	N/A	7%	-1%	N/A	N/A	-3%	N/A	N/A	N/A
Median	N/A	7%	-1%	N/A	N/A	-3%	N/A	N/A	N/A
High	N/A	7%	0%	N/A	N/A	-3%	N/A	N/A	N/A
Low	N/A	7%	-1%	N/A	N/A	-3%	N/A	N/A	N/A
30.1 to 75									
Landscaping	Light	Light	Light	Medium	Medium	Medium	Heavy	Heavy	Heavy
Distance	100-200	201-500	500+	100-200	201-500	500+	100-200	201-500	500+
Average	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Median	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
High	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Low	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
75.1+									
Landscaping	Light	Light	Light	Medium	Medium	Medium	Heavy	Heavy	Heavy
Distance	100-200	201-500	500+	100-200	201-500	500+	100-200	201-500	500+
_	***	***	0.007	***	***	401	****	***	061
Average	N/A	N/A	22%	N/A	N/A	1%	N/A	N/A	-3%
Median	N/A	N/A	22%	N/A	N/A	1%	N/A	N/A	-3%
High -	N/A	N/A	22%	N/A	N/A	4%	N/A	N/A	-3%
Low	N/A	N/A	22%	N/A	N/A	-2%	N/A	N/A	-3%

B. Southeastern USA Data - Over 5 MW

1. Matched Pair - AM Best Solar Farm, Goldsboro, NC

This 5 MW solar farm adjoins Spring Garden Subdivision which had new homes and lots available for new construction during the approval and construction of the solar farm. The recent home sales have ranged from \$200,000 to \$250,000. This subdivision sold out the last homes in late 2014.

The solar farm is clearly visible particularly along the north end of this street where there is only a thin line of trees separating the solar farm from the single-family homes.

Homes backing up to the solar farm are selling at the same price for the same floor plan as the homes that do not back up to the solar farm in this subdivision. According to the builder, the solar farm has been a complete non-factor. Not only do the sales show no difference in the price paid for the various homes adjoining the solar farm versus not adjoining the solar farm, but there are actually more recent sales along the solar farm than not. There is no impact on the sellout rate, or time to sell for the homes adjoining the solar farm.

I spoke with a number of owners who adjoin the solar farm and none of them expressed any concern over the solar farm impacting their property value.

The data presented on the following page shows multiple homes that have sold in 2013 and 2014

adjoining the solar farm at prices similar to those not along the solar farm. These series of sales indicate that the solar farm has no impact on the adjoining residential use.

The homes that were marketed at Spring Garden are shown below.



The homes adjoining the solar farm are considered to have a light landscaping screen as it is a narrow row of existing pine trees supplemented with evergreen plantings.



Matched Pairs

As of Date: 9/3/2014

As of Date:	9/3/2014	4						
Adjoining Sales A	After Solar Fai	rm Comple	ted					
TAX ID	Owner	Acres	Date Sold	Sales Price	Built	GBA	\$/GBA	•
3600195570	Helm	0.76	Sep-13	\$250,000	2013	3,292	\$75.94	2 Story
3600195361	Leak	1.49	Sep-13	\$260,000	2013	3,652	\$71.19	2 Story
3600199891	McBrayer	2.24	Jul-14	\$250,000	2014	3,292	\$75.94	2 Story
3600198632	Foresman	1.13	Aug-14	\$253,000	2014	3,400	\$74.41	2 Story
3600196656	Hinson	0.75	Dec-13	\$255,000	2013	3,453	\$73.85	2 Story
	Average	1.27		\$253,600	2013.4	3,418	\$74.27	
	Median	1.13		\$253,000	2013	3,400	\$74.41	
Adjoining Sales A	After Solar Fai	rm Announ	ıced					
TAX ID	Owner	Acres	Date Sold	Sales Price	Built	GBA	\$/GBA	Style
0	Feddersen	1.56	Feb-13	\$247,000	2012	3,427	\$72.07	Ranch
0	Gentry	1.42	Apr-13	\$245,000	2013	3,400	\$72.06	2 Story
	Average	1.49		\$246,000	2012.5	3,414	\$72.07	
	Median	1.49		\$246,000	2012.5	3,414	\$72.07	
Adjoining Sales I TAX ID 3600183905 3600193097 3600194189	Owner	arm Annou Acres 1.57 1.61 1.55	Date Sold Dec-12 Sep-12 Nov-12	Sales Price \$240,000 \$198,000 \$240,000	Built 2012 2012 2012	GBA 3,347 2,532 3,433	\$78.20	Style 1.5 Story 2 Story 1.5 Story
	Average	1.59		\$219,000	2012	2,940	\$74.95	
	Median	1.59		\$219,000	2012	2,940	\$74.95	
Nearby Sales Afte		-			-	an.	4.674	.
TAX ID	Owner	Acres	Date Sold	Sales Price	Built	GBA		•
3600193710		1.12	Oct-13	\$248,000	2013	3,400	\$72.94	5
3601105180	Nackley	0.95	Dec-13	\$253,000	2013	3,400	\$74.41	2 Story
3600192528	Mattheis	1.12	Oct-13	\$238,000	2013	3,194	\$74.51	2 Story
	Beckman	0.93	Mar-14	\$250,000	2014	3,292	\$75.94	2 Story
3600196965	Hough	0.81	Jun-14	\$224,000	2014	2,434	\$92.03	2 Story
	Preskitt	0.67	Jun-14	\$242,000	2014	2,825	\$85.66	2 Story
3600194813	Bordner	0.91	Apr-14	\$258,000	2014	3,511	\$73.48	2 Story
	Shaffer	0.73	Apr-14	\$255,000	2014	3,453	\$73.85	2 Story
3601104147								
3601104147	Average	0.91 0.92		\$246,000 \$249,000	2013.625 2014		\$77.85 \$74.46	

Nearby Sales Before Solar Farm Announced

TAX ID	Owner	Acres	Date Sold	Sales Price	Built	GBA	\$/GBA Style
3600191437	Thomas	1.12	Sep-12	\$225,000	2012	3,276	\$68.68 2 Story
3600087968	Lilley	1.15	Jan-13	\$238,000	2012	3,421	\$69.57 1.5 Story
3600087654	Burke	1.26	Sep-12	\$240,000	2012	3,543	\$67.74 2 Story
3600088796	Hobbs	0.73	Sep-12	\$228,000	2012	3,254	\$70.07 2 Story
	Average Median	1.07 1.14		\$232,750 \$233,000	2012 2012	3,374 3,349	\$69.01 \$69.13

Matched Pair Summary

	Adjoins Sola	Farm	Nearby Solar Farm			
	Average	Median	Average	Median		
Sales Price	\$253,600	\$253,000	\$246,000	\$249,000		
Year Built	2013	2013	2014	2014		
Size	3,418	3,400	3,189	3,346		
Price/SF	\$74.27	\$74.41	\$77.85	\$74.46		

Percentage Differences

Median Price	-2%
Median Size	-2%
Median Price/SF	0%

I note that 2308 Granville Drive sold again in November 2015 for \$267,500, or \$7,500 more than when it was purchased new from the builder two years earlier (Tax ID 3600195361, Owner: Leak). The neighborhood is clearly showing appreciation for homes adjoining the solar farm.

The Median Price is the best indicator to follow in any analysis as it avoids outlying samples that would otherwise skew the results. The median sizes and median prices are all consistent throughout the sales both before and after the solar farm whether you look at sites adjoining or nearby to the solar farm. The average size for the homes nearby the solar farm shows a smaller building size and a higher price per square foot. This reflects a common occurrence in real estate where the price per square foot goes up as the size goes down. So even comparing averages the indication is for no impact, but I rely on the median rates as the most reliable indication for any such analysis.

I have also considered four more recent resales of homes in this community as shown on the following page. These comparable sales adjoin the solar farm at distances ranging from 315 to 400 feet. The matched pairs show a range from -9% to +6%. The range of the average difference is -2% to +1% with an average of 0% and a median of +0.5%. These comparable sales support a finding of no impact on property value.

Parcel	Solar	ential Sales Afte Address	Acres		Sales Price	Built	GBA	\$/GRA	BR/BA	Park	Style	Other	Distance
1 arcci	Adjoins	103 Granville Pl	1.42	7/27/2018	\$265,000	2013	3,292	\$80.50	4/3.5	2-Car	2-Story	Other	385
	Not	2219 Granville	1.15	1/8/2018	\$260,000	2012	3,292	\$78.98	4/3.5	2-Car	2-Story		
	Not	634 Friendly	0.96	7/31/2019	\$267,000	2018	3,053	\$87.45	4/4.5	2-Car	2-Story		
	Not	2403 Granville	0.69	4/23/2019	\$265,000	2014	2,816	\$94.11	5/3.5	2-Car	2-Story		
									•		· ·	Avg	
	Solar	Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	% Diff	
	Adjoins	103 Granville Pl								\$265,000		-2%	
	Not	2219 Granville	\$4,382		\$1,300	\$0				\$265,682	0%		
	Not	634 Friendly	-\$8,303		-\$6,675	\$16,721	-\$10,000			\$258,744	2%		
	Not	2403 Granville	-\$6,029		-\$1,325	\$31,356				\$289,001	-9%		
-	_	ential Sales Afte											
Parcel	Solar	Address	Acres		Sales Price	Built	GBA	-	BR/BA	Park	Style	Other	Distance
	Adjoins	104 Erin	2.24	6/19/2017	\$280,000	2014	3,549	\$78.90	5/3.5	2-Car	2-Story		315
	Not	2219 Granville	1.15	1/8/2018	\$260,000	2012	3,292	\$78.98	4/3.5	2-Car	2-Story		
	Not	634 Friendly	0.96	7/31/2019	\$267,000	2018	3,053	\$87.45	4/4.5	2-Car	2-Story		
	Not	2403 Granville	0.69	4/23/2019	\$265,000	2014	2,816	\$94.11	5/3.5	2-Car	2-Story		
												Avg	
	Solar	Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	% Diff	
	Adjoins	104 Erin								\$280,000		0%	
	Not	2219 Granville	-\$4,448		\$2,600	\$16,238	***			\$274,390	2%		
	Not	634 Friendly	-\$17,370		-\$5,340		-\$10,000			\$268,992	4%		
	Not	2403 Granville	-\$15,029		\$0	\$48,285				\$298,256	-7%		
				_	_								
Parcel	Solar	ential Sales Afte Address	r Solar Fa Acres		ea Sales Price	Built	GBA	\$/GBA	BR/BA	Park	Style	Other	Distance
	Adjoins	2312 Granville	0.75	5/1/2018	\$284,900	2013	3,453	\$82.51	5/3.5	2-Car	2-Story		400
	Not	2219 Granville	1.15	1/8/2018	\$260,000	2012	3,292	\$78.98	4/3.5	2-Car	2-Story		
	Not	634 Friendly	0.96	7/31/2019	\$267,000	2018	3,053	\$87.45	4/4.5	2-Car	2-Story		
	Not	2403 Granville	0.69	4/23/2019	\$265,000	2014	2,816	\$94.11	5/3.5	2-Car	2-Story		
												Avg	
	Solar	Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	% Diff 1%	
	Adjoins Not	2312 Granville 2219 Granville	\$2,476		\$1,300	\$10,173				\$284,900 \$273,948	4%	170	
	Not					φ10,173				\$268,051	6%		
					\$6,675	\$27.086	910 000						
	Not	634 Friendly 2403 Granville	-\$10,260 -\$7,972		-\$6,675 -\$1,325	\$27,986 \$47,956	-\$10,000			\$303,659	-7%		
							-\$10,000						
-	Not ing Resid		-\$7,972		-\$1,325	\$47,956				\$303,659			
Adjoin: Parcel	Not	2403 Granville ential Sales Afte Address	-\$7,972 r Solar Fa	Date Sold	-\$1,325 ed Sales Price	\$47,956 Built	GBA		BR/BA	\$303,659		Other	Distance
•	Not ing Resid Solar Adjoins	2403 Granville ential Sales Afte Address 2310 Granville	-\$7,972 r Solar Fa Acres 0.76	Date Sold 5/14/2019	-\$1,325 ed Sales Price \$280,000	\$47,956 Built 2013	GBA 3,292	\$85.05	5/3.5	\$303,659 Park 2-Car	-7% Style 2-Story	Other	Distance 400
•	Not ing Resid Solar Adjoins Not	2403 Granville ential Sales Afte Address 2310 Granville 2219 Granville	-\$7,972 r Solar Fa	Date Sold 5/14/2019 1/8/2018	-\$1,325 ed Sales Price \$280,000 \$260,000	\$47,956 Built 2013 2012	GBA 3,292 3,292	\$85.05 \$78.98	5/3.5 4/3.5	\$303,659 Park 2-Car 2-Car	-7% Style 2-Story 2-Story	Other	400
•	Not ing Resid Solar Adjoins Not Not	2403 Granville ential Sales Afte Address 2310 Granville 2219 Granville 634 Friendly	-\$7,972 r Solar Fa	Date Sold 5/14/2019 1/8/2018 7/31/2019	-\$1,325 ed Sales Price \$280,000 \$260,000 \$267,000	\$47,956 Built 2013 2012 2018	GBA 3,292 3,292 3,053	\$85.05 \$78.98 \$87.45	5/3.5 4/3.5 4/4.5	\$303,659 Park 2-Car 2-Car 2-Car	-7% Style 2-Story 2-Story 2-Story	Other	400
•	Not ing Resid Solar Adjoins Not	2403 Granville ential Sales Afte Address 2310 Granville 2219 Granville	-\$7,972 r Solar Fa	Date Sold 5/14/2019 1/8/2018	-\$1,325 ed Sales Price \$280,000 \$260,000	\$47,956 Built 2013 2012	GBA 3,292 3,292	\$85.05 \$78.98	5/3.5 4/3.5	\$303,659 Park 2-Car 2-Car	-7% Style 2-Story 2-Story	Other	400
•	Not ing Resid Solar Adjoins Not Not Not	ential Sales Afte Address 2310 Granville 2219 Granville 634 Friendly 2403 Granville	-\$7,972 r Solar Fa Acres 0.76 1.15 0.96 0.69	Date Sold 5/14/2019 1/8/2018 7/31/2019 4/23/2019	-\$1,325 ed Sales Price \$280,000 \$260,000 \$267,000 \$265,000	\$47,956 Built 2013 2012 2018 2014	GBA 3,292 3,292 3,053 2,816	\$85.05 \$78.98 \$87.45 \$94.11	5/3.5 4/3.5 4/4.5 5/3.5	Park 2-Car 2-Car 2-Car 2-Car	-7% Style 2-Story 2-Story 2-Story 2-Story	Avg	400
-	Not ing Resid Solar Adjoins Not Not Not Solar	ential Sales Afte Address 2310 Granville 2219 Granville 634 Friendly 2403 Granville	-\$7,972 r Solar Fa	Date Sold 5/14/2019 1/8/2018 7/31/2019	-\$1,325 ed Sales Price \$280,000 \$260,000 \$267,000	\$47,956 Built 2013 2012 2018	GBA 3,292 3,292 3,053	\$85.05 \$78.98 \$87.45	5/3.5 4/3.5 4/4.5	Park 2-Car 2-Car 2-Car 2-Car	-7% Style 2-Story 2-Story 2-Story	Avg % Diff	400
-	Not Ing Resid Solar Adjoins Not Not Not Not Adjoins	ential Sales Afte Address 2310 Granville 2219 Granville 634 Friendly 2403 Granville Address 2310 Granville	-\$7,972 r Solar Fa Acres 0.76 1.15 0.96 0.69	Date Sold 5/14/2019 1/8/2018 7/31/2019 4/23/2019	-\$1,325 ed Sales Price \$280,000 \$260,000 \$267,000 \$265,000	\$47,956 Built 2013 2012 2018 2014	GBA 3,292 3,292 3,053 2,816	\$85.05 \$78.98 \$87.45 \$94.11	5/3.5 4/3.5 4/4.5 5/3.5	*\$303,659 Park 2-Car 2-Car 2-Car 2-Car Total \$280,000	-7% Style 2-Story 2-Story 2-Story 2-Story	Avg	400
•	Not ing Resid Solar Adjoins Not Not Not Solar Adjoins Not	ential Sales Afte Address 2310 Granville 2219 Granville 634 Friendly 2403 Granville Address 2310 Granville 2219 Granville	-\$7,972 r Solar Fa	Date Sold 5/14/2019 1/8/2018 7/31/2019 4/23/2019	-\$1,325 ed Sales Price \$280,000 \$260,000 \$267,000 \$265,000 YB \$1,300	\$47,956 Built 2013 2012 2018 2014 GLA	GBA 3,292 3,292 3,053 2,816 BR/BA	\$85.05 \$78.98 \$87.45 \$94.11	5/3.5 4/3.5 4/4.5 5/3.5	*\$303,659 Park 2-Car 2-Car 2-Car 2-Car **Total \$280,000 \$272,058	-7% Style 2-Story 2-Story 2-Story 2-Story % Diff 3%	Avg % Diff	400
-	Not Ing Resid Solar Adjoins Not Not Not Not Adjoins	ential Sales Afte Address 2310 Granville 2219 Granville 634 Friendly 2403 Granville Address 2310 Granville	-\$7,972 r Solar Fa Acres 0.76 1.15 0.96 0.69	Date Sold 5/14/2019 1/8/2018 7/31/2019 4/23/2019	-\$1,325 ed Sales Price \$280,000 \$260,000 \$267,000 \$265,000	\$47,956 Built 2013 2012 2018 2014 GLA	GBA 3,292 3,292 3,053 2,816	\$85.05 \$78.98 \$87.45 \$94.11	5/3.5 4/3.5 4/4.5 5/3.5	*\$303,659 Park 2-Car 2-Car 2-Car 2-Car Total \$280,000	-7% Style 2-Story 2-Story 2-Story 2-Story	Avg % Diff	400

I have also considered the original sales prices in this subdivision relative to the recent resale values as shown in the chart below. This rate of appreciation is right at 2.5% over the last 6 years. Zillow indicates that the average home value within the 27530-zip code as of January 2014 was \$101,300 and as of January 2020 that average is \$118,100. This indicates an average increase in the market of 2.37%. I conclude that the appreciation of the homes adjoining the solar farm are not impacted by the presence of the solar farm based on this data.

	Initial Sale		Second Sale		Year			%	Apprec.
Address	Date	Price	Date	Price	Diff		Apprec.	Apprec.	%/Year
1 103 Granville Pl	4/1/2013	\$245,000	7/27/2018	\$265,000		5.32	\$20,000	8.16%	1.53%
2 105 Erin	7/1/2014	\$250,000	6/19/2017	\$280,000		2.97	\$30,000	12.00%	4.04%
3 2312 Granville	12/1/2013	\$255,000	5/1/2015	\$262,000		1.41	\$7,000	2.75%	1.94%
4 2312 Granville	5/1/2015	\$262,000	5/1/2018	\$284,900		3.00	\$22,900	8.74%	2.91%
5 2310 Granville	8/1/2013	\$250,000	5/14/2019	\$280,000		5.79	\$30,000	12.00%	2.07%
6 2308 Granville	9/1/2013	\$260,000	11/12/2015	\$267,500		2.20	\$7,500	2.88%	1.31%
7 2304 Granville	9/1/2012	\$198,000	6/1/2017	\$225,000		4.75	\$27,000	13.64%	2.87%
8 102 Erin	8/1/2014	\$253,000	11/1/2016	\$270,000		2.25	\$17,000	6.72%	2.98%
								Average	2.46%
								Median	2.47%

Matched Pair – Mulberry, Selmer, 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	

Parcel	Solar	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 3	345 Woodland	\$131,000	\$8,710		\$5,895	\$9,811		\$5,000	\$160,416	2%	
											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	Styl	e Other		
15	Adjoins	297 Count	ry 1.00	9/30/2016	\$150,000	2002	1,596	\$93.98	3/2	4-Gar	Ranc	h		
	Not	185 Dusty	y 1.85	8/17/2015	\$126,040	2009	1,463	\$86.15	3/2	2-Gar	Ranc	h		
	Not	53 Glen	1.13	3/9/2017	\$126,000	1999	1,475	\$85.42	3/2	2-Gar	Ranc	h Brick		
Adjoining Sales Adjusted														
Parcel	Solar	Address	Sales Price	Time	Site YB	GLA	Parl	k Otl	ner To	tal	% Diff	Distance		
15	Adjoins	297 Country	\$150,000						\$150	,000		650		
	Not	185 Dusty	\$126,040	\$4,355	-\$4,41	1 \$9,167	7 \$10,0	000	\$145	,150	3%			
	Not	53 Glen	\$126,000	-\$1,699 \$1,89		0 \$8,269	\$10,0	000	\$144	,460	4%			
Ave											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.

						4/18/2019		4/18/2019
Parcel	Solar	Address	Acres	Date Sold	Sales Price	Adj for Time	\$/AC	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%	

3. Matched Pair - Leonard Road Solar Farm, Hughesville, MD



This 5 MW solar farm is located on 47 acres and mostly adjoins agricultural and residential uses to the west, south and east as shown above. The property also adjoins retail uses and a church. I looked at a 2016 sale of an adjoining home with a positive impact on value adjoining the solar farm of 2.90%. This is within typical market friction and supports an indication of no impact on property value.

I have shown this data below. The landscaping buffer is considered heavy.

Leonardtown Road Solar Farm, Hughesville, MD

Nearby Residential Sale After Solar Farm Construction

Address Solar Far		Acres	Date Sold S	ales Price*	Built	GBA	\$/GBA	Style	BR/BA	Bsmt	Park	Upgrades	s Other
14595 Box Elder Ct	Adjoins	3.00	2/12/2016	\$291,000	1991	2,174	\$133.85	Colonial	5/2.5	No	2 Car Att	N/A	Deck
15313 Bassford Rd	Not	3.32	7/20/2016	\$329,800	1990	2,520	\$130.87	Colonial	3/2.5	Finished	2 Car Att	Custom	Scr Por/Patio

^{*\$9,000} concession deducted from sale price for Box Elder and \$10,200 deducted from Bassford

Adjoining Sales Adju	sted		Adjustmen	ts				
Address	Date Sold	Sales Price	Time	GLA	Bsmt	Upgrades	Other	Total
14595 Box Elder Ct	2/12/2016	\$291,000						\$291,000
15313 Bassford Rd	7/20/2016	\$329,800	-\$3,400	-\$13,840	-\$10,000	-\$15,000	-\$5,000	\$282,560

Difference Attributable to Location \$8,440 2.90%

This is within typical market friction and supports an indication of no impact on property value.

4. Matched Pair - Gastonia SC Solar, Gastonia, NC



This 5 MW project is located on the south side of Neal Hawkins Road just outside of Gastonia. The property identified above as Parcel 4 was listed for sale while this solar farm project was going

through the approval process. The property was put under contract during the permitting process with the permit being approved while the due diligence period was still ongoing. After the permit was approved the property closed with no concerns from the buyer. I spoke with Jennifer Bouvier, the broker listing the property and she indicated that the solar farm had no impact at all on the sales price. She considered some nearby sales to set the price and the closing price was very similar to the asking price within the typical range for the market. The buyer was aware that the solar farm was coming and they had no concerns.

This two-story brick dwelling was sold on March 20, 2017 for \$270,000 for a 3,437 square foot dwelling built in 1934 in average condition on 1.42 acres. The property has four bedrooms and two bathrooms. The landscaping screen is light for this adjoining home due to it being a new planted landscaping buffer.

Adjoining I	Residential Sale	s After So	lar Farm App	roved							
Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	\$/GLA	BR/BA	Park	Style	Other
Adjoins 6	09 Neal Hawkins	1.42	3/20/2017	\$270,000	1934	3,427	\$78.79	4/2	Open	2-Brick	
Not	1418 N Modena	4.81	4/17/2018	\$225,000	1930	2,906	\$77.43	3/3	2-Crprt	2-Brick	
Not 3	363 Dallas Bess	2.90	11/29/2018	\$265,500	1968	2,964	\$89.57	3/3	Open	FinBsmt	
Not 1	.612 Dallas Chry	2.74	9/17/2018	\$245,000	1951	3,443	\$71.16	3/2	Open	2-Brick	Unfin bath
Adjoining	Sales Adjuste	d								Avg	
Addre	ess Tin	ne Sit	е ҮВ	GLA	BR/BA	Park	Other	Total	% Diff	% Diff	Distance
609 Neal H	Hawkins							\$270,000			225
1418 N M	Iodena \$7,3	319	\$2,700	\$32,271		-\$10,000		\$257,290	5%		
363 Dalla	is Bess \$74	16	-\$27,081	\$33,179	-\$10,000		\$53,100	\$262,456	3%		
1612 Dalla	as Chry \$4,1	10	-\$12,495	-\$911			\$10,000	\$235,704	13%		
										7%	

I also considered the newer adjoining home identified as Parcel 5 that sold later in 2017 and it likewise shows no negative impact on property value. This is also considered a light landscaping buffer.

Adjoining Residential Sales After Solar Farm Approved													
Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	\$/GLA	BR/BA	Park	Style			
Adjoins	611 Neal Hawkins	0.78	7/6/2017	\$288,000	1991	2,256	\$127.66	5/3	2-Gar	1.5 Brick			
Not	1211 Still Frst	0.51	7/30/2018	\$280,000	1989	2,249	\$124.50	3/3	2-Gar	Br Rnch			
Not	2867 Colony Wds	0.52	8/14/2018	\$242,000	1990	2,006	\$120.64	3/3	2-Gar	Br Rnch			
Not	1010 Strawberry	1.00	10/4/2018	\$315,000	2002	2,330	\$135.19	3/2.5	2-Gar	1.5 Brick			

Adjoining Sales Adjusted Avg												
Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	% Diff	Distance	
611 Neal Hawkins								\$288,000			145	
1211 Still Frst	\$1,341		\$2,800	\$697				\$284,838	1%			
2867 Colony Wds	\$7,714		\$1,210	\$24,128				\$275,052	4%			
1010 Strawberry	-\$4,555		-\$17,325	-\$8,003	\$5,000			\$290,116	-1%			
										2%		

5. Matched Pair - Summit/Ranchlands Solar, Moyock, NC



This project is located at 1374 Caritoke Highway, Moyock, NC. This is an 80 MW facility on a parent tract of 2,034 acres. Parcels Number 48 and 53 as shown in the map above were sold in 2016. The project was under construction during the time period of the first of the matched pair sales and the permit was approved well prior to that in 2015.

I looked at multiple sales of adjoining and nearby homes and compared each to multiple comparables to show a range of impacts from -10% up to +11% with an average of +2% and a median of +3%. These ranges are well within typical real estate variation and supports an indication of no impact on property value.

	Adioinir	ıg Residen	tial Sal	es After S	olar Farm <i>A</i>	hnro	ved								
	Solar	Addre	ss	Acres	Date Sold	Sale	s Price	Built	GBA		BR/BA		Style	Other	Distance
48	Adjoins	129 Pir		4.29	4/15/2016		70,000	1985	1,559	\$109.04	3/2	Drive	MFG		1,060
	Not	102 Tim		1.30	4/1/2016		75,500	2009	1,352	\$129.81	3/2	Drive	MFG		
	Not	120 Rancl	nland	0.99	10/1/2014	\$17	70,000	2002	1,501	\$113.26	3/2	Drive	MFG		
														Avg	
	Solar	Addre	ss	Time	Site		YB	GLA	BR/BA	Park	Other	Total	% Diff	% Diff	
	Adjoins	129 Pir										\$170,000		-3%	
	Not	102 Tim		\$276	\$10,000		29,484	\$18,809				\$175,101			
	Not	120 Rancl	hland	\$10,735	\$10,000	-\$2	20,230	\$4,598				\$175,103	3 -3%		
Sola	r Ad	ldress	Acres	Date So	ld Sales	Price	Built	GBA	\$/GL	A BR/B	A Par	k Sty	·le	Other	
Adjoir	is 10	5 Pinto	4.99	12/16/20	016 \$206,	000	1978	1,484	\$138.8	1 3/2	Det	G Ran	ch		
Not	11	1 Spur	1.15	2/1/20	16 \$193,	000	1985	2,013	\$95.88	3 4/2	Ga	r Ran	ch		
Not	103	Marshall	1.07	3/29/20	17 \$196,	000	2003	1,620	\$120.9	9 3/2	Driv	re Ran	ch		
Not	127 F	Ranchland	0.00	6/9/20	15 \$219,	900	1988	1,910	\$115.1	3 3/2	Gar/3	Det Ran	ch		
Adjoi	ning Sal	les Adjus	ted										Avg		
Ac	ldress	Time	Si	te YI	GL/	A 1	BR/BA	Park	Oth	er To	otal	% Diff	% Diff	Distance	:
10	5 Pinto									\$20	6,000			980	
11	1 Spur	\$6,74	7 \$10,	000 -\$6,7	755 -\$25,3	359				\$17	7,633	14%			
103	Marshal	1 -\$2,21	2 \$10,	000 -\$24,	500 -\$8,2	27		\$5,000)	\$17	6,212	14%			
127 R	anchlan	d \$13.39	9 \$10.	000 -\$10.	995 -\$24,5	523		-\$10.00	00	\$19	7,781	4%			
		. ,	. ,	,	, ,			. ,			ĺ		11%		
-	_	dential Sa					. .	.	254	4.004	DD /D 4		Q. 1	0.1	5
Parcel 15	Solar Adjoins	Addre 318 Green		Acres 0.44	Date Sold 9/15/2019		57,000	Built 2005	GBA 3,460	\$/GBA \$103.18	BR/BA 4/4		Style 1.5 Brick	Other	Distance 570
15	Not	195 St An		0.55	6/17/2018		14,000	2003	3,561	\$88.18	5/3	2-Car	2.0 Brick		310
	Not	336 Green		0.64	1/13/2019		55,000	2002	3,790	\$96.31	6/4	3-Car	2.0 Brick		
	Not	275 Green		0.36	8/15/2019		12,000	2003	3,100	\$100.65	5/3	2-Car	2.0 Brick		
					-,,,		.,		-,		-,0				
														Avg	
	Solar	Addre		Time	Site		YB	GLA	BR/BA	Park	Other		% Diff	% Diff	
	Adjoins	318 Green	View									\$357,000)	4%	

\$4,710

-\$1,825

\$3,120

-\$7,125 \$10,000

\$28,986 \$10,000

-\$25,425

\$333,625

\$354,921

-\$5,000 \$340,286

7%

5%

Not 195 St Andrews

Not Not 336 Green View

275 Green View

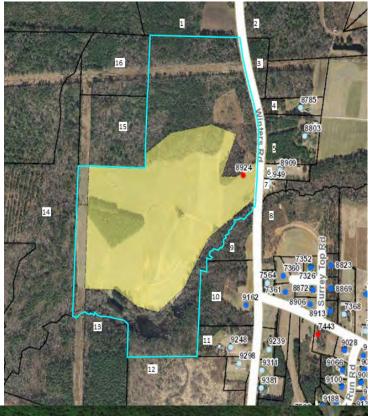
\$12,040

\$7,536

\$815

Adjoin	ing Resi	dential Sales Aft	er Solar Fa	arm Built									
	Solar	Address	Acres		Sales Price		GBA	\$/GBA	BR/BA	Park	Style	Other	Distance 440
29	Adjoins	164 Ranchland	1.01 0.94	4/30/2019	\$169,000	1999	2,052 1,920	\$82.36 \$87.50	4/2	Gar	MFG		440
	Not Not	150 Pinto 105 Longhorn	1.90	3/27/2018 10/10/2017	\$168,000 \$184,500	2017 2002	1,920	\$94.91	4/2 3/2	Drive Drive	MFG MFG		
	Not	105 Longhorn 112 Pinto	1.00	7/27/2018	\$180,000	2002	1,836	\$94.91 \$98.04	3/2	Drive	MFG	Fenced	
	NOL	112 PIIIto	1.00	1/21/2016	\$160,000	2002	1,000	φ90.04	3/2	Drive	MrG	renced	
												Avg	
	Solar	Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	% Diff	
	Adjoins	164 Ranchland								\$169,000		-10%	
	Not	150 Pinto	\$5,649		-\$21,168	\$8,085			\$5,000	\$165,566	2%		
	Not	105 Longhorn	\$8,816	-\$10,000	-\$3,875	\$7,175			\$5,000	\$191,616	-13%		
	Not	112 Pinto	\$4,202		-\$3,780	\$14,824			\$5,000	\$200,245	-18%		
A 41-1-	in a Basi	dential Sales Aft	an Salan B	D.: 14									
•	Solar	Address	Acres		Sales Price	Built	GBA	\$/GBA	BR/BA	Park	Style	Other	Distance
Farcer	Adjoins	358 Oxford	10.03	9/16/2019	\$478,000	2008	2,726	\$175.35	3/3	2 Gar	Ranch	Other	635
	Not	276 Summit	10.03	12/20/2017		2006	1,985	\$178.84	3/2	2 Gar	Ranch		000
	Not	176 Providence	6.19	5/6/2019	\$425,000	1990	2,549	\$166.73	3/3	4 Gar	Ranch	Brick	
	Not	1601 B Caratoke	12.20	9/26/2019	\$440,000	2016	3,100	\$141.94	4/3.5	5 Gar	Ranch	Pool	
	NOL	1001 B Caratoke	12.20	9/20/2019	φ440,000	2010	3,100	φ141.94	4/3.3	3 Gai	Kancn	F001	
												Avg	
	Solar Adjoins	Address 358 Oxford	Time	Site	YB	GLA	BR/BA	Park	Other	Total \$478,000	% Diff	% Diff 5%	
	Not	276 Summit	\$18,996		\$3,550	\$106,017	\$10,000			\$493,564	-3%		
	Not	176 Providence	\$4,763		\$38,250	\$23,609		-\$10,000	-\$25,000	\$456,623	4%		
	Not	1601 B Caratoke	-\$371	\$50,000	-\$17,600	-\$42,467	-\$5,000	-\$10,000		\$414,562	13%		
Adjoin	ing Resi	dential Sales Aft	er Solar Fa	arm Approve	ed								
_	Solar	Address	Acres		Sales Price	Built	GBA	\$/GBA	BR/BA	Park	Style	Other	Distance
	Nearby	343 Oxford	10.01	3/9/2017	\$490,000	2016	3,753	\$130.56	3/3	2 Gar	1.5 Story	Pool	970
	Not	287 Oxford	10.01	9/4/2017	\$600,000	2013	4,341	\$138.22	5/4.5	8-Gar	1.5 Story	Pool	
	Not	301 Oxford	10.00	4/23/2018	\$434,000	2013	3,393	\$127.91	5/3	2 Gar	1.5 Story		
	Not	218 Oxford	10.01	4/4/2017	\$525,000	2006	4,215	\$124.56	4/3	4 Gar	1.5 Story	VG Barn	
										_		Avg	
	Solar Adjoins	Address 343 Oxford	Time	Site	YB	GLA	BR/BA	Park	Other	Total \$490,000		% Diff 3%	
	Not	287 Oxford	-\$9,051		\$9,000		-\$15,000	-\$25,000		\$494,932			
	Not	301 Oxford	-\$14,995	-\$10,000	\$6,510	\$36,838				\$452,353			
	Not	218 Oxford	-\$1,150		\$26,250	-\$46,036		-\$10,000	-\$10,000	\$484,064	1%		

6. Matched Pair - Tracy Solar, Bailey, NC





This project is located in rural Nash County on Winters Road with a 5 MW facility that was built in 2016 on 50 acres. A local builder acquired parcels 9 and 10 following construction as shown below

at rates comparable to other tracts in the area. They then built a custom home for an owner and sold that at a price similar to other nearby homes as shown in the matched pair data below. The retained woods provide a heavy landscaped buffer for this homesite.

#	Solar Farm	TAX ID	Grantor	Grantee	Address	Acres	Date Sold	Sales Price	\$/AC	Other
&10	Adjoins	316003	Cozart	Kingsmill	9162 Winters	13.22	7/21/2016	\$70,000	\$5,295	
		& 316004								
	Not	6056	Billingsly		427 Young	41	10/21/2016	\$164,000	\$4,000	
	Not	33211	Fulcher	Weikel	10533 Cone	23.46	7/18/2017	\$137,000	\$5,840	Doublewide, structures
	Not	106807	Perry	Gardner	Claude Lewis	11.22	8/10/2017	\$79,000		Gravel drive for sub, cleare
	Not	3437	Vaughan	N/A	11354 Old Lewis Sch	18.73	Listing	\$79,900	\$4,266	Small cemetery,wooded
		Ad	joining S	sales Adj	usted					
			Time	Acres	Location	Other	r Adj\$	6/Ac %	Diff	
							\$5,2	295		
							·			
			\$0	\$400	\$ 0	\$0	\$4,4	100 1	7%	
			-\$292	\$292	\$0	-\$500	\$5,3	340 -	1%	
			-\$352	\$0	\$0	-\$1,00	0 \$5,6	589 -	7%	
			-\$213	\$0	\$0	\$213	\$4,2	266 1	9%	
							Aver	age	7%	

"	Dorur r urm	-	iiuui coo	110100	Duce boru	Dares Tiree	Dune	U 211	Ψ/ αΔ11	D14, D11	Degre	Other
9 & 10	Adjoins	ţs	9162 Winters	13.22	1/5/2017	\$255,000	2016	1,616	\$157.80	3/2	Ranch	1296 sf wrkshp
	Not	V	7352 Red Fox	0.93	6/30/2016	\$176,000	2010	1,529	\$115.11	3/2	2-story	

Adjoining	Sales Adju	ısted					
Time	Acres	YB	GLA	Style	Other	Total	% Diff
						\$255,000	
\$0	\$44,000	\$7,392	\$5,007	\$5,000	\$15,000	\$252,399	1%

The comparables for the land show either a significant positive relationship or a mild negative relationship to having and adjoining solar farm, but when averaged together they show no negative impact. The wild divergence is due to the difficulty in comping out this tract of land and the wide variety of comparables used. The two comparables that show mild negative influences include a property that was partly developed as a residential subdivision and the other included a doublewide with some value and accessory agricultural structures. The tax assessed value on the improvements were valued at \$60,000. So both of those comparables have some limitations for comparison. The two that show significant enhancement due to adjacency includes a property with a cemetery located in the middle and the other is a tract almost twice as large. Still that larger tract after adjustment provides the best matched pair as it required the least adjustment. I therefore conclude that there is no negative impact due to adjacency to the solar farm shown by this matched pair.

The dwelling that was built on the site was a build-to-suit and was compared to a nearby homesale of a property on a smaller parcel of land. I adjusted for that differenced based on a \$25,000 value for a 1-acre home site versus the \$70,000 purchase price of the larger subject tract. The other adjustments are typical and show no impact due to the adjacency to the solar farm.

The closest solar panel to the home is 780 feet away.

I note that the representative for Kingsmill Homes indicated that the solar farm was never a concern in purchasing the land or selling the home. He also indicated that they had built a number of nearby homes across the street and it had never come up as an issue.

7. Matched Pair - Manatee Solar Farm, Parrish, FL



This solar farm is located near Seminole Trail, Parrish, FL. The solar farm has a 74.50 MW output and is located on a 1,180.38-acre tract and was built in 2016. The tract is owned by Florida Power & Light Company.

I have considered the recent sale of 13670 Highland Road, Wimauma, Florida. This one-story, concrete block home is located just north of the solar farm and separated from the solar farm by a railroad corridor. This home is a 3 BR, 3 BA 1,512 s.f. home with a carport and workshop. The property includes new custom cabinets, granite counter tops, brand-new stainless-steel appliances, updated bathrooms and new carpet in the bedrooms. The home is sitting on 5 acres. The home was built in 1997.

I have compared this sale to several nearby homesales as part of this matched pair analysis as shown below. The landscaping separating the home from the solar farm is considered heavy.

Solar	TAX ID/Address	Acres	Date Sold	Sales Price	Built	GBA	\$/GBA	BR/BA	Park	Style	Note
Adjoins	13670 Highland	5.00	8/21/2017	\$255,000	1997	1,512	\$168.65	3/3	Carport/Wrkshp	Ranch	Renov.
Not	2901 Arrowsmith	1.91	1/31/2018	\$225,000	1979	1,636	\$137.53	3/2	2 Garage/Wrkshp	Ranch	
Not	602 Butch Cassidy	1.00	5/5/2017	\$220,000	2001	1,560	\$141.03	3/2	N/A	Ranch	Renov.
Not	2908 Wild West	1.23	7/12/2017	\$254,000	2003	1,554	\$163.45	3/2	2 Garage/Wrkshp	Ranch	Renov.
Not	13851 Highland	5.00	9/13/2017	\$240,000	1978	1,636	\$146.70	4/2	3 Garage	Ranch	Renov.

		Adjoinin	g Sales Ad							
Solar	TAX ID/Address	Time	Acres	YB	GLA	BR/BA	Park	Note	Total	% Diff
Adjoins	13670 Highland								\$255,000	
Not	2901 Arrowsmith	\$2,250	\$10,000	\$28,350	-\$8,527	\$5,000	-\$10,000	\$10,000	\$262,073	-3%
Not	602 Butch Cassidy	-\$2,200	\$10,000	-\$6,160	-\$3,385	\$5,000	\$2,000		\$225,255	12%
Not	2908 Wild West	\$0	\$10,000	-\$10,668	-\$3,432	\$5,000	-\$10,000		\$244,900	4%
Not	13851 Highland	\$0	\$0	\$31,920	-\$9,095	\$3,000	-\$10,000		\$255,825	0%
									Average	3%

The sales prices of the comparables before adjustments range from \$220,000 to \$254,000. After adjustments they range from \$225,255 to \$262,073. The comparables range from no impact to a strong positive impact. The comparables showing -3% and +4% impact on value is considered within a typical range of value and therefore not indicative of any impact on property value.

This set of matched pair data falls in line with the data seen in other states. The closest solar panel to the home at 13670 Highland is 1,180 feet. There is a wooded buffer between these two properties.

I have included a map showing the relative location of these properties below.



8. Matched Pair - McBride Place Solar Farm, Midland, NC



This project is located on Mount Pleasant Road, Midland, North Carolina. The property is on 627 acres on an assemblage of 974.59 acres. The solar farm was approved in early 2017 for a 74.9 MW facility.

I have considered the sale of 4380 Joyner Road which adjoins the proposed solar farm near the northwest section. This property was appraised in April of 2017 for a value of \$317,000 with no consideration of any impact due to the solar farm in that figure. The property sold in November

2018 for \$325,000 with the buyer fully aware of the proposed solar farm. The landscaping buffer relative to Joyner Road, Hayden Way, Chanel Court and Kristi Lane is considered medium, while the landscaping for the home at the north end of Chanel Court is considered very light.

I have considered the following matched pairs to the subject property.

Α	djoining R	esidential Sale	s After Solar	Farm Approved								
	Solar	Address	Acre	s Date Sold	Sales Price	Built	GBA	\$/GBA	BR/BA	Park	Style	Other
	Adjoins	4380 Joyne	er 12.00	11/22/2017	\$325,000	1979	1,598	\$203.38	3/2	2xGar	Ranch	Outbldg
	Not	3870 Elkwo	od 5.50	8/24/2016	\$250,000	1986	1,551	\$161.19	3/2.5	Det 2xGar	Craft	
	Not	8121 Lower R	ocky 18.00	2/8/2017	\$355,000	1977	1,274	\$278.65	2/2	2xCarprt	Ranch	Eq. Fac.
	Not	13531 Cabar	rus 7.89	5/20/2016	\$267,750	1981	2,300	\$116.41	3/2	2xGar	Ranch	
I	Adjoinin	g Sales Adj	usted									
	Time	Acres	YB	Condition	GLA	BR/BA	P	ark	Other	Total	%	Diff
										\$325,00	0	
	\$7,500	\$52,000	-\$12,250	\$10,000	\$2,273	-\$2,000	\$2	2,500	\$7,500	\$317,52	3 :	2%
•	\$7,100	-\$48,000	\$4,970		\$23,156	\$0	\$3	3,000	-\$15,000	\$330,22	6 -	2%
	\$8,033	\$33,000	-\$3,749	\$20,000	-\$35,832	\$0		\$0	\$7,500	\$296,70	2	9%
										Average	:	3%

The home at 4380 Joyner Road is 275 feet from the closest solar panel.

I also considered the recent sale of a lot at 5800 Kristi Lane that is on the east side of the proposed solar farm. This 4.22-acre lot sold in December 2017 for \$94,000. A home was built on this lot in 2019 with the closest point from home to panel at 689 feet. The home site is heavily wooded and their remains a wooded buffer between the solar panels and the home. I spoke with the broker, Margaret Dabbs, who indicated that the solar farm was considered a positive by both buyer and seller as it ensures no subdivision will be happening in that area. Buyers in this market are looking for privacy and seclusion.

The breakdown of recent lot sales on Kristi are shown below with the lowest price paid for the lot with no solar farm exposure, though that lot has exposure to Mt Pleasant Road South. Still the older lot sales have exposure to the solar farm and sold for higher prices than the front lot and adjusting for time would only increase that difference.

Adjoin	ing Lot S	ales After Solar	Farm Built				
Parcel	Solar	Address	Acres	Date Sold	Sales Price	\$/AC	\$/Lot
	Adjoins	5811 Kristi	3.74	5/1/2018	\$100,000	\$26,738	\$100,000
	Adjoins	5800 Kristi	4.22	12/1/2017	\$94,000	\$22,275	\$94,000
	Not	5822 Kristi	3.43	2/24/2020	\$90,000	\$26,239	\$90,000

The lot at 5811 Kristi Lane sold in May 2018 for \$100,000 for a 3.74-acre lot. The home that was built later in 2018 is 505 feet to the closest solar panel. This home then sold to a homeowner for \$530,000 in April 2020. I have compared this home sale to other properties in the area as shown below.

Adjoinin	Adjoining Residential Sales After Solar Farm Built Solar Address Acres Date Sold Sales Price Built GBA \$/GBA BR/BA Park Style Other														
Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	\$/GBA	BR/BA	Park	Style	Other				
Adjoins	5811 Kristi	3.74	3/31/2020	\$530,000	2018	3,858	\$137.38	5/3.5	2 Gar	2-story	Cement Ext				
Not	3915 Tania	1.68	12/9/2019	\$495,000	2007	3,919	\$126.31	3/3.5	2 Gar	2-story	3Det Gar				
Not	6782 Manatee	1.33	3/8/2020	\$460,000	1998	3,776	\$121.82	4/2/2h	2 Gar	2-story	Water				
Not	314 Old Hickory	1.24	9/20/2019	\$492,500	2017	3,903	\$126.18	6/4.5	2 Gar	2-story					
											Avg				
Solar	Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	% Diff				
Adjoins	5811 Kristi								\$530,000		5%				
Not	3915 Tania	\$6,285		\$27,225	-\$3,852		-\$20,000		\$504,657	5%					
Not	6782 Manatee	\$1,189		\$46,000	\$4,995	\$5,000			\$517,183	2%					
Not	314 Old Hickory	\$10,680		\$2,463	-\$2,839	-\$10,000			\$492,803	7%					

After adjusting the comparables, I found that the average adjusted value shows a slight increase in value for the subject property adjoining a solar farm. As in the other cases, this is a mild positive impact on value but within the typical range of real estate transactions.

I also looked at 5833 Kristi Lane that sold on 9/14/2020 for \$625,000. This home is 470 feet from the closest panel.

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	\$/GLA	BR/BA	Park	Style	Other
Nearby	5833 Kristi	4.05	9/14/2020	\$625,000	2008	4,373	\$142.92	5/4	3-Car	2-Brick	
Not	4055 Dakeita	4.90	12/30/2020	\$629,000	2005	4,427	\$142.08	4/4	4-Car	2-Brick	4DetGar/Stable
Not	9615 Bales	2.16	6/30/2020	\$620,000	2007	4,139	\$149.79	4/5	3-Car	2-Stone	2DetGar
Not	9522 Bales	1.47	6/18/2020	\$600,000	2007	4.014	\$149.48	4/4.5	3-Car	2-Stone	

Adjoining Sales	s Adjusted	l								Avg	
Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	% Diff	Distance
5833 Kristi								\$625,000			470
4055 Dakeita	-\$9,220		\$5,661	-\$6,138		-\$25,000		\$594,303	5%		
9615 Bales	\$6,455		\$1,860	\$28,042	-\$10,000	-\$15,000		\$631,356	-1%		
9522 Bales	\$7,233		\$1,800	\$42,930	-\$5,000			\$646,963	-4%		
										0%	

The average difference is 0% impact and the differences are all within a close range with this set of comparables and supports a finding of no impact on property value.

I have also looked at 4504 Chanel Court. This home sold on January 1, 2020 for \$393,500 for this 3,010 square foot home built in 2004 with 3 bedrooms, 3.5 bathrooms, and a 3-car garage. This home includes a full partially finished basement that significantly complicates comparing this to other sales. This home previously sold on January 23, 2017 for \$399,000. This was during the time that the solar farm was a known factor as the solar farm was approved in early 2017 and public discussions had already commenced. I spoke with Rachelle Killman with Real Estate Realty, LLC the buyer's agent for this transaction and she indicated that the solar farm was not a factor or consideration for the buyer. She noted that you could see the panels sort of through the trees, but it wasn't a concern for the buyer. She was not familiar with the earlier 2017 sale, but indicated that it was likely too high. This again goes back to the partially finished basement issue. The basement has a fireplace, and an installed 3/4 bathroom but otherwise bare studs and concrete floors with different buyers assigning varying value to that partly finished space. I also reached out to Don Gomez with Don Anthony Realty, LLC as he was the listing agent.

I also looked at the recent sale of 4599 Chanel Court. This home is within 310 feet of solar panels but notably does not have a good landscaping screen in place as shown in the photo below. The plantings appear to be less than 3-feet in height and only a narrow, limited screen of existing hardwoods were kept. The photograph is from the listing.

According to Scott David with Better Homes and Gardens Paracle Realty, this property was under contract for \$550,000 contingent on the buyer being able to sell their former home. The former home was apparently overpriced and did not sell and the contract stretched out over 2.5 months.

The seller was in a bind as they had a home they were trying to buy contingent on this closing and were about to lose that opportunity. A cash buyer offered them a quick close at \$500,000 and the seller accepted that offer in order to not lose the home they were trying to buy. According to Mr. David, the original contracted buyer and the actual cash buyer never considered the solar farm as a negative. In fact Mr. David noted that the actual buyer saw it as a great opportunity to purchase a home where a new subdivision could not be built behind his house. I therefore conclude that this property supports a finding of no impact on adjoining property, even where the landscaping screen still requires time to grow in for a year-round screen.

I also considered a sale/resale analysis on this property. This same home sold on September 15, 2015 for \$462,000. Adjusting this upward by 5% per year for the five years between these sales dates suggests a value of \$577,500. Comparing that to the \$550,000 contract that suggests a 5% downward impact, which is within a typical market variation. Given that the broker noted no negative impact from the solar farm and the analysis above, I conclude this sale supports a finding of no impact on value.



9. Matched Pair - Mariposa Solar, Gaston County, NC



This project is a 5 MW facility located on 35.80 acres out of a parent tract of 87.61 acres at 517 Blacksnake Road, Stanley that was built in 2016.

I have considered a number of recent sales around this facility as shown below.

The first is identified in the map above as Parcel 1, which is 215 Mariposa Road. This is an older dwelling on large acreage with only one bathroom. I've compared it to similar nearby homes as shown below. The landscaping buffer for this home is considered light.

Adjoining Residential Sales After Solar Farm Approved

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	\$/GBA	BR/BA	Park	Style
Adjoins	215 Mariposa	17.74	12/12/2017	\$249,000	1958	1,551	\$160.54	3/1	Garage	Br/Rnch
Not	249 Mariposa	0.48	3/1/2019	\$153,000	1974	1,792	\$85.38	4/2	Garage	Br/Rnch
Not	110 Airport	0.83	5/10/2016	\$166,000	1962	2,165	\$76.67	3/2	Crprt	Br/Rnch
Not	1249 Blacksnake	5.01	9/20/2018	\$242,500	1980	2,156	\$112.48	3/2	Drive	1.5
Not	1201 Abernathy	27.00	5/3/2018	\$390,000	1970	2,190	\$178.08	3/2	Crprt	Br/Rnch

Adjoining	Residential Sale	s After	Solar Farm	Approved	Adjoining	g Sales Adjı	ısted						
Solar	Address	Acres	Date Sold	Sales Price	Time	YB	Acres	GLA	BR/BA	Park	Other	Total	% Diff
Adjoins	215 Mariposa	17.74	12/12/2017	\$249,000								\$249,000	
Not	249 Mariposa	0.48	3/1/2019	\$153,000	-\$5,583	-\$17,136	\$129,450	-\$20,576	-\$10,000			\$229,154	8%
Not	110 Airport	0.83	5/10/2016	\$166,000	\$7,927	-\$4,648	\$126,825	-\$47,078	-\$10,000			\$239,026	4%
Not	1249 Blacksnake	5.01	9/20/2018	\$242,500	-\$5,621	-\$37,345	\$95,475	-\$68,048	-\$10,000	\$5,000		\$221,961	11%
Not	1201 Abernathy	27.00	5/3/2018	\$390,000	-\$4,552	-\$32,760	-\$69,450	-\$60,705	-\$10,000			\$212,533	15%
												Average	9%

The average difference after adjusting for all factors is +9% on average, which suggests an enhancement due to the solar farm across the street. Given the large adjustments for acreage and size, I will focus on the low end of the adjusted range at 4%, which is within the typical deviation and therefore suggests no impact on value.

I have also considered Parcel 4 that sold after the solar farm was approved but before it had been constructed in 2016. The landscaping buffer for this parcel is considered light.

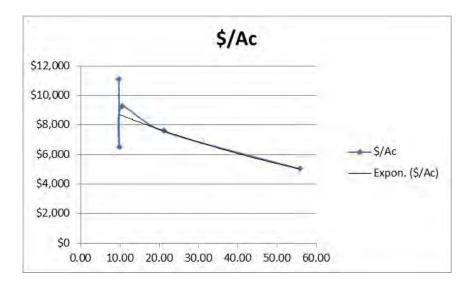
Adjoining	g Residential Sale	es After	Solar Farm	Approved							
Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	\$/GBA	BR/BA	Park	Style	Other
Adjoins	242 Mariposa	2.91	9/21/2015	\$180,000	1962	1,880	\$95.74	3/2	Carport	Br/Rnch	Det Wrkshop
Not	249 Mariposa	0.48	3/1/2019	\$153,000	1974	1,792	\$85.38	4/2	Garage	Br/Rnch	
Not	110 Airport	0.83	5/10/2016	\$166,000	1962	2,165	\$76.67	3/2	Crprt	Br/Rnch	
Not	1249 Blacksnake	5.01	9/20/2018	\$242,500	1980	2,156	\$112.48	3/2	Drive	1.5	

Adjoining	Residential Sale	s After	Solar Farm	Approved	Adjoining	Sales Adju	ısted						
Solar	Address	Acres	Date Sold	Sales Price	Time	YB	Acres	GLA	BR/BA	Park	Other	Total	% Diff
Adjoins	242 Mariposa	2.91	9/21/2015	\$180,000								\$180,000	
Not	249 Mariposa	0.48	3/1/2019	\$153,000	-\$15,807	-\$12,852	\$18,468	\$7,513		-\$3,000	\$25,000	\$172,322	4%
Not	110 Airport	0.83	5/10/2016	\$166,000	-\$3,165	\$0	\$15,808	-\$28,600			\$25,000	\$175,043	3%
Not	1249 Blacksnake	5.01	9/20/2018	\$242,500	-\$21,825	-\$30,555	-\$15,960	-\$40,942		\$2,000	\$25,000	\$160,218	11%
												Average	6%

The average difference after adjusting for all factors is +6%, which is again suggests a mild increase in value due to the adjoining solar farm use. The median is a 4% adjustment, which is within a standard deviation and suggests no impact on property value.

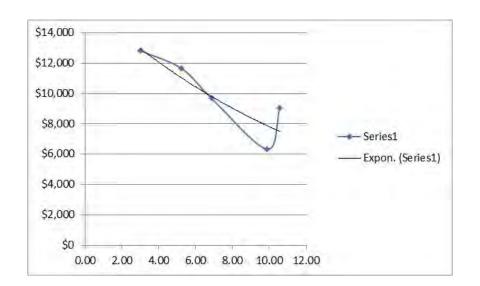
I have also considered the recent sale of Parcel 13 that is located on Blacksnake Road south of the project. I was unable to find good land sales in the same 20-acre range, so I have considered sales of larger and smaller acreage. I adjusted each of those land sales for time. I then applied the price per acre to a trendline to show where the expected price per acre would be for 20 acres. As can be seen in the chart below, this lines up exactly with the purchase of the subject property. I therefore conclude that there is no impact on Parcel 13 due to proximity to the solar farm.

Adjoinin	g Residential Land	i Sales	After Solar	Farm Approv	ved	Adjoining Sa	les Adjusted
Solar	Tax/Street	Acres	Date Sold	Sales Price	\$/Ac	Time	\$/Ac
Adjoins	174339/Blacksnake	21.15	6/29/2018	\$160,000	\$7,565		\$7,565
Not	227852/Abernathy	10.57	5/9/2018	\$97,000	\$9,177	\$38	\$9,215
Not	17443/Legion	9.87	9/7/2018	\$64,000	\$6,484	-\$37	\$6,447
Not	164243/Alexis	9.75	2/1/2019	\$110,000	\$11,282	-\$201	\$11,081
Not	176884/Bowden	55.77	6/13/2018	\$280,000	\$5.021	\$7	\$5.027



Finally, I have considered the recent sale of Parcel 17 that sold as vacant land. I was unable to find good land sales in the same 7-acre range, so I have considered sales of larger and smaller acreage. I adjusted each of those land sales for time. I then applied the price per acre to a trendline to show where the expected price per acre would be for 7 acres. As can be seen in the chart below, this lines up with the trendline running right through the purchase price for the subject property. I therefore conclude that there is no impact on Parcel 13 due to proximity to the solar farm. I note that this property was improved with a 3,196 square foot ranch built in 2018 following the land purchase, which shows that development near the solar farm was unimpeded.

Adjoinin	g Residential Land	d Sales	After Solar	Farm Approv	red	Adjoining Sales Adjusted				
Solar	Tax/Street	Acres	Date Sold	Sales Price	\$/Ac	Time	Location	\$/Ac		
Adjoins	227039/Mariposa	6.86	12/6/2017	\$66,500	\$9,694			\$9,694		
Not	227852/Abernathy	10.57	5/9/2018	\$97,000	\$9,177	-\$116		\$9,061		
Not	17443/Legion	9.87	9/7/2018	\$64,000	\$6,484	-\$147		\$6,338		
Not	177322/Robinson	5.23	5/12/2017	\$66,500	\$12,715	\$217	-\$1,272	\$11,661		
Not	203386/Carousel	2.99	7/13/2018	\$43,500	\$14,548	-\$262	-\$1,455	\$12,832		



10. Matched Pair - Clarke County Solar, Clarke County, VA



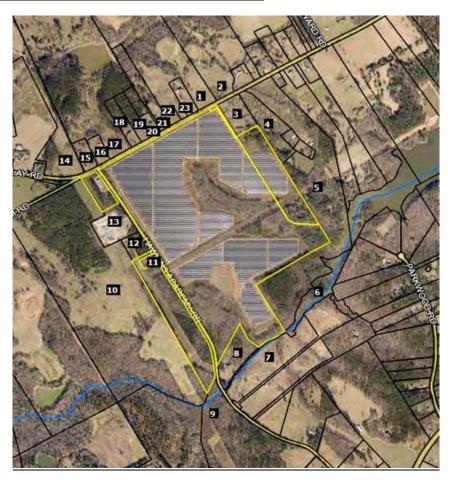
This project is a 20 MW facility located on a 234-acre tract that was built in 2017.

I have considered two recent sales of 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. This home sold in January 2017 for \$295,000 and again in August 2019 for \$385,000. I show each sale below and compare those to similar home sales in each time frame. The significant increase in price between 2017 and 2019 is due to a major kitchen remodel, new roof, and related upgrades as well as improvement in the market in general. The sale and later resale of the home with updates and improvements speaks to pride of ownership and increasing overall value as properties perceived as diminished are less likely to be renovated and sold for profit.

I note that 102 Tilthammer includes a number of barns that I did not attribute any value in the analysis. The market would typically give some value for those barns but even without that adjustment there is an indication of a positive impact on value due to the solar farm. The landscaping buffer from this home is considered light.

Adjoin	ing Re	esid	ential	Sales After	r Solar F	arm Approv	ed							
Parcel	Sola	ır	Ad	dress	Acres	Date Sold	Sales Price	Built	GBA	\$/GLA	BR/BA	Park	Style	Other
3	Adjoi	ns	833 Na	ations Spr	5.13	8/18/2019	\$385,000	1979	1,392	\$276.58	3/2	Det Gar	Ranch	UnBsmt
	Not	t	167	Leslie (5.00	8/19/2020	\$429,000	1980	1,665	\$257.66	3/2	Det2Gar	Ranch	
	Not	t	2393 C	old Chapel	2.47	8/10/2020	\$330,000	1974	1,500	\$220.00	3/1.5	Det Gar	Ranch	
	Not	į	102 Ti	lthammer	6.70	5/7/2019	\$372,000	1970	1,548	\$240.31	3/1.5	Det Gar	Ranch	UnBsmt
Adjoi	ning	Sa1	es Ad	justed								Av	g	
Tin	ıe -	S	Site	YB	GLA	BR/BA	Park	Othe	r '	Fotal	% Diff	f % D	iff I	Distance
									\$3	85,000				1230
-\$13,	268			-\$2,145	-\$56,27	72	-\$5,000	\$50,00	00 \$4	-02,315	-4%			
-\$9,9	956	\$2	5,000	\$8,250	-\$19,00	08 \$5,000)	\$50,00	00 \$3	89,286	-1%			
\$3,2	29		,	\$16,740	-\$29,99	91 \$5,000)	, ,	\$3	66,978	5%			
,_				4-0,1								0%	6	
				0.1.16										
Adjoin Parcel	_			Sales Aite dress		arm Approv		D 114	O.D.4	6. /07.4	DD /D 4	D. d.	04-1-	Other
Parcei	Adjoi			ations Spr	Acres 5.13	1/9/2017	Sales Price \$295,000	Built 1979	GBA 1,392	\$/GLA \$211.93	BR/BA 3/2	Park Det Gar	Style Ranch	
3	Not			l Middle	2.00	1/9/2017	\$293,000	1981	1,584		3/2	Open	Ranch	
	Not			Rockland	5.06	1/2/2017	\$300,000	1990	1,688	\$177.73	3/2	2 Gar	2-stor	
	Not			Sugar Hill	1.00	6/7/2018	\$180,000	1975	1,008		3/1	Open	Ranch	
Adioi				justed	1.00	0, 1, 2010	#100,000	15.0	1,000	Ψ1.0.0.	0, 1	Av		•
•	_			•	GLA	DD/D/	Doub.	Othe	. ,	T-4-1	% Diff		_	Distance
Tin	ıe	2	Site	YB	GLA	BR/BA	A Park	Otne		Fotal 295,000	% D 111	% D	1111 1	1230
-\$7,1	100	\$2	5,000	-\$2,500	-\$24,24	12	\$5,000	\$50,00	0 \$2	96,157	0%			
\$17	7			-\$16,500	-\$42,08	35	-\$10,000	\$50,00	00 \$2	81,592	5%			
-\$7,7	797			\$3,600	\$54,85		. ,	\$50,00		95,661	0%			
												1%	6	

11. Matched Pair - Simon Solar, Social Circle, GA



This 30 MW solar farm is located off Hawkins Academy Road and Social Circle Fairplay Road. I identified three adjoining sales to this tract after development of the solar farm. However, one of those is shown as Parcel 12 in the map above and includes a powerline easement encumbering over a third of the 5 acres and adjoins a large substation as well. It would be difficult to isolate those impacts from any potential solar farm impact and therefore I have excluded that sale. I also excluded the recent sale of Parcel 17, which is a farm with conservation restrictions on it that similarly would require a detailed examination of those conservation restrictions in order to see if there was any impact related to the solar farm. I therefore focused on the recent sale of Parcel 7 and the adjoining parcel to the south of that. They are technically not adjoining due to the access road for the flag-shaped lot to the east. Furthermore, there is an apparent access easement serving the two rear lots that encumber these two parcels which is a further limitation on these sales. This analysis assumes that the access easement does not negatively impact the subject property, though it may.

The landscaping buffer relative to this parcel is considered medium.

Adjoining Land Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	\$/AC	Type	Other
7+	Adjoins	4514 Hawkins	36.86	3/31/2016	\$180,000	\$4,883	Pasture	Esmts
	Not	HD Atha	69.95	12/20/2016	\$357,500	\$5,111	Wooded	N/A
	Not	Pannell	66.94	11/8/2016	\$322,851	\$4,823	Mixed	*
	Not	1402 Roy	123.36	9/29/2016	\$479,302	\$3,885	Mixed	**

^{*} Adjoining 1 acre purchased by same buyer in same deed. Allocation assigned on the County Tax Record.

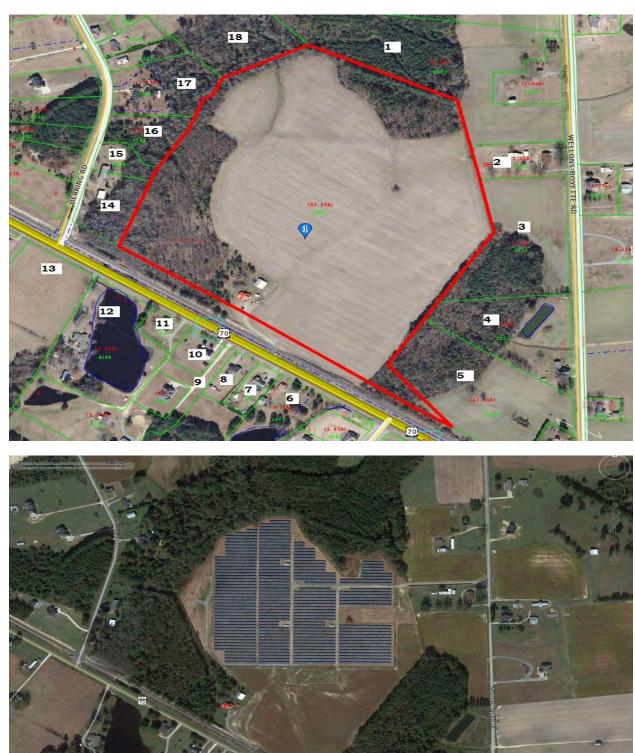
^{**} Dwelling built in 1996 with a 2016 tax assessed value of \$75,800 deducted from sales price to reflect land value

Adjoining Sa	ales Adju	sted				Avg
Time	Size	Type	Other	Total/Ac	% Diff	% Diff
				\$4,883		
\$89	\$256			\$5,455	-12%	
-\$90	\$241			\$4,974	-2%	
-\$60	\$389			\$4,214	14%	
						0%

The range of impact identified by these matched pairs are -12% to +14%, with an average of 0% impact due to the solar farm. The best matched pair with the least adjustment supports a -2% impact due to the solar farm. I note again that this analysis considers no impact for the existing access easements that meander through this property and it may be having an impact. Still at -2% impact as the best indication for the solar farm, I consider that to be no impact given that market fluctuations support +/- 5%.

Google Earth

12. Matched Pair - Candace Solar, Princeton, NC



This 5 MW solar farm is located at 4839 US 70 Highway just east of Herring Road. This solar farm was completed on October 25, 2016.

I identified three adjoining sales to this tract after development of the solar farm with frontage on US 70. I did not attempt to analyze those sales as they have exposure to an adjacent highway and railroad track. Those homes are therefore problematic for a matched pair analysis unless I have similar homes fronting on a similar corridor.

I did consider a land sale and a home sale on adjoining parcels without those complications.

The lot at 499 Herring Road sold to Paradise Homes of Johnston County of NC, Inc. for \$30,000 in May 2017 and a modular home was placed there and sold to Karen and Jason Toole on September 29, 2017. I considered the lot sale first as shown below and then the home sale that followed. The landscaping buffer relative to this parcel is considered medium.

Adjoini	ing Land	Sales After So		Adjoining Sales Adjusted								
Parcel	Solar	Address	Acres	Date Sold	Sales Price	Other	Time	Site	Other	Total	% Diff	
16	Adjoins	499 Herring	2.03	5/1/2017	\$30,000					\$30,000		
	Not	37 Becky	0.87	7/23/2019	\$24,500	Sub/Pwr	-\$1,679	\$4,900		\$27,721	8%	
	Not	5858 Bizzell	0.88	8/17/2016	\$18,000		\$390	\$3,600		\$21,990	27%	
	Not	488 Herring	2.13	12/20/2016	\$35,000		\$389			\$35,389	-18%	
										Average	5%	

Following the land purchase, the modular home was placed on the site and sold. I have compared this modular home to the following sales to determine if the solar farm had any impact on the purchase price.

Parcel	Solar	Address	Acres	Date So	ld Sa	les Price	Built	GBA	\$/GBA	BR/BA	Park	Style	Other
16	Adjoins	499 Herring	2.03	9/27/20	17 \$	215,000	2017	2,356	\$91.26	4/3	Drive	Modular	
	Not	678 WC	6.32	3/8/201	19 \$	226,000	1995	1,848	\$122.29	3/2.5	Det Gar	Mobile	Ag bldgs
	Not	1810 Bay V	8.70	3/26/20	18 \$	170,000	2003	2,356	\$72.16	3/2	Drive	Mobile	Ag bldgs
	Not	1795 Bay V	1.78	12/1/20	17 \$	194,000	2017	1,982	\$97.88	4/3	Drive	Modular	
Adioin	D			Calaa Adim.	at a d							Avg	
ujo	ing Kesiae	ntial Sales Af A	ajoining	saies Aujus	steu							Avg	
Parcel	Solar Adjoins	Address 499 Herring	Time	Site	YB	GLA	BR/BA	Park	Other	Total \$215,000	% Diff	% Diff	Distance 488
Parcel	Solar	Address 499 Herring	Time	•	YB	GLA \$37,275	BR/BA -\$5,000	Park -\$7,500			% Diff	_	
Parcel	Solar Adjoins	Address 499 Herring	Time -\$10,037	Site	YB 24,860		•		-\$20,000	\$215,000		_	
Parcel	Solar Adjoins Not	Address 499 Herring 678 WC	Time -\$10,037	Site -\$25,000 \$2	YB 24,860	\$37,275	•		-\$20,000	\$215,000 \$220,599	-3%	_	

The best comparable is 1795 Bay Valley as it required the least adjustment and was therefore most similar, which shows a 0% impact. This signifies no impact related to the solar farm.

The range of impact identified by these matched pairs ranges are therefore -3% to +26% with an average of +8% for the home and an average of +4% for the lot, though the best indicator for the lot shows a \$5,000 difference in the lot value due to the proximity to the solar farm or a -12% impact.

13. Matched Pair - Walker-Correctional Solar, Barham Road, Barhamsville, 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	Form	Annrowed
Aujoining	Residential	Sales	Aiter Solai	rarm.	Approveu

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 S	ales A	diusted
-------------	--------	---------

Address 5241 Barham	Time	Ac/Loc	YB	GLA	BR/BA	Park	Other	Total \$264,000	% Diff	Dist 250
17950 New Kent		-\$8,000	\$29,000	-\$4,756	-\$5,000	-\$20,000	-\$15,000	\$266,244	-1%	
9252 Ordinary	-\$8,310	-\$8,000	\$8,310	\$2,581		-\$10,000	-\$15,000	\$246,581	7%	
2416 W Miller		\$8,000	\$11,960	-\$9,817	-\$5,000	-\$10,000	-\$15,000	\$279,143	-6%	
	5241 Barham 17950 New Kent 9252 Ordinary	5241 Barham 17950 New Kent 9252 Ordinary -\$8,310	5241 Barham 17950 New Kent -\$8,000 9252 Ordinary -\$8,310 -\$8,000	5241 Barham 17950 New Kent -\$8,000 \$29,000 9252 Ordinary -\$8,310 -\$8,000 \$8,310	5241 Barham 17950 New Kent -\$8,000 \$29,000 -\$4,756 9252 Ordinary -\$8,310 -\$8,000 \$8,310 \$2,581	5241 Barham 17950 New Kent -\$8,000 \$29,000 -\$4,756 -\$5,000 9252 Ordinary -\$8,310 -\$8,000 \$8,310 \$2,581	5241 Barham 17950 New Kent -\$8,000 \$29,000 -\$4,756 -\$5,000 -\$20,000 9252 Ordinary -\$8,310 -\$8,000 \$8,310 \$2,581 -\$10,000	5241 Barham 17950 New Kent -\$8,000 \$29,000 -\$4,756 -\$5,000 -\$20,000 -\$15,000 9252 Ordinary -\$8,310 -\$8,000 \$8,310 \$2,581 -\$10,000 -\$15,000	5241 Barham \$264,000 17950 New Kent -\$8,000 \$29,000 -\$4,756 -\$5,000 -\$20,000 -\$15,000 \$266,244 9252 Ordinary -\$8,310 \$8,310 \$2,581 -\$10,000 -\$15,000 \$246,581	5241 Barham \$264,000 17950 New Kent -\$8,000 \$29,000 -\$4,756 -\$5,000 -\$20,000 -\$15,000 \$266,244 -1% 9252 Ordinary -\$8,310 \$8,310 \$2,581 -\$10,000 -\$15,000 \$246,581 7%

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 since it is 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.

14. Matched Pair - Innovative Solar 46, Roslin Farm Rd, Hope Mills, NC

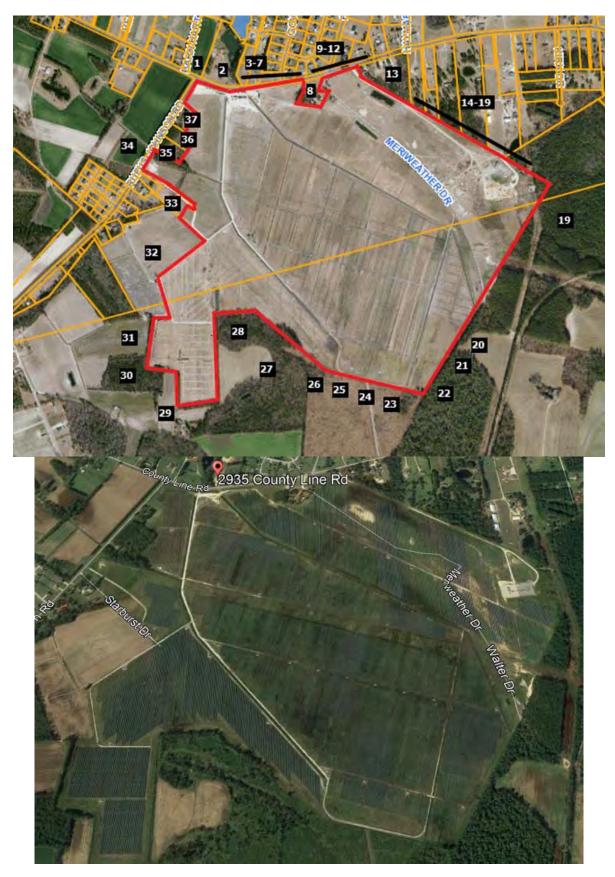


This project was built in 2016 and located on 532 acres for a 78.5 MW solar farm with the closest home at 125 feet from the closest solar panel with an average distance of 423 feet.

I considered the recent sale of a home on Roslin Farm Road just north of Running Fox Road as shown below. This sale supports an indication of no impact on property value. The landscaping buffer is considered light.

Distance
435

15. Matched Pair - Innovative Solar 42, County Line Rd, Fayetteville, NC



This project was built in 2017 and located on 413.99 acres for a 71 MW with the closest home at 135 feet from the closest solar panel with an average distance of 375 feet.

I considered the recent sales identified on the map above as Parcels 2 and 3, which is directly across the street these homes are 330 and 340 feet away. Parcel 2 includes an older home built in 1976, while Parcel 3 is a new home built in 2019. So the presence of the solar farm had no impact on new construction in the area.

The matched pairs for each of these are shown below. The landscaping buffer relative to these parcels is considered light.

Adjoini	ng Residential Sa	les Afte	r Solar Far	m Approved								
Solar	Address	Acres	Date Sold	l Sales Price	Built	GBA	\$/GBA	BR/BA	Park	Style	Other	Distance
Adjoins	2923 County Ln	8.98	2/28/2019	\$385,000	1976	2,905	\$132.53	3/3	2-Car	Ranch	Brick/Pond	340
Not	1928 Shaw Mill	17.00	7/3/2019	\$290,000	1977	3,001	\$96.63	4/4	2-Car	Ranch	Brick/Pond/Renta	1
Not	2109 John McM.	7.78	4/25/2018	3 \$320,000	1978	2,474	\$129.35	3/2	Det Gar	Ranch	Vinyl/Pool,Stable	
											Avg	
Solar	Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	% Diff	
Adjoins	2923 County Ln								\$385,000		3%	
Not	1928 Shaw Mill	-\$3,055	\$100,000	-\$1,450	-\$7,422	-\$10,00	0		\$368,074	4%		
Not	2109 John McM.	\$8,333		-\$3,200	\$39,023	\$10,000	C	\$5,000	\$379,156	5 2%		
Adjoinii Solar	ng Residential Sa Address	les After Acres		n Approved Sales Price	Built	GBA	\$/GBA	BR/BA	Park	Style	Other	Distance
Adjoins	2935 County Ln	1.19	6/18/2019	\$266,000	2019	2,401	\$110.79	4/3	Gar	2-Story		330
Not	3005 Hemingway	1.17	5/16/2019	\$269,000	2018	2,601	\$103.42	4/3	Gar	2-Story		
Not	7031 Glynn Mill	0.60	5/8/2018	\$255,000	2017	2,423	\$105.24	4/3	Gar	2-Story		
Not	5213 Bree Brdg	0.92	5/7/2019	\$260,000	2018	2,400	\$108.33	4/3	3-Gar	2-Story		
Solar	Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	Avg % Diff	
Adjoins	2935 County Ln	ııme	Site	18	GLA	DK/BA	rark	Other	\$266,000	70 DIII	% Dili 3%	
Not	3005 Hemingway	\$748		\$1,345	-\$16,547				\$254,546	4%	370	
Not	7031 Glynn Mill	\$8,724		\$2,550	-\$1,852				\$264,422	1%		
Not	5213 Bree Brdg	\$920		\$1,300	\$76			-\$10,000		5%		
1.00	Dicc Drug	42-0		41,000	Ψ. σ					0,0		

Both of these matched pairs adjust to an average of +3% on impact for the adjoining solar farm, meaning there is a slight positive impact due to proximity to the solar farm. This is within the standard +/- of typical real estate transactions, which strongly suggests no impact on property value. I noted specifically that for 2923 County Line Road, the best comparable is 2109 John McMillan as it does not have the additional rental unit on it. I made no adjustment to the other sale for the value of that rental unit, which would have pushed the impact on that comparable downward – meaning there would have been a more significant positive impact.

16. Matched Pair - Sunfish Farm, Keenebec Rd, Willow Spring, NC



This project was built in 2015 and located on 49.6 acres (with an inset 11.25-acre parcel) for a 6.4 MW project with the closest home at 135 feet with an average distance of 105 feet.

I considered the 2017 sale identified on the map above, which is 205 feet away from the closest panel. The matched pairs for each of these are shown below followed by a more recent map showing the panels at this site. The average difference in the three comparables and the subject property is +3% after adjusting for differences in the sales date, year built, gross living area, and other minor differences. This data is supported by the comments from the broker Brian Schroepfer with Keller Williams that the solar farm had no impact on the purchase price. The landscaping screen is considered light.

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	\$/GBA	BR/BA	Park	Style
	Adjoins	7513 Glen Willow	0.79	9/1/2017	\$185,000	1989	1,492	\$123.99	3/2	Gar	BR/Rnch
	Not	2968 Tram	0.69	7/17/2017	\$155,000	1984	1,323	\$117.16	3/2	Drive	BR/Rnch
	Not	205 Pine Burr	0.97	12/29/2017	\$191,000	1991	1,593	\$119.90	3/2.5	Drive	BR/Rnch
	Not	1217 Old Honeycutt	1.00	12/15/2017	\$176,000	1978	1,558	\$112.97	3/2.5	2Carprt	VY/Rnch

Adjustments											Avg
Solar	Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	% Diff
Adjoins	7513 Glen Willow								\$185,000		
Not	2968 Tram	\$601		\$3,875	\$15,840		\$10,000		\$185,316	0%	
Not	205 Pine Burr	-\$1,915		-\$1,910	-\$9,688	-\$5,000			\$172,487	7%	
Not	1217 Old Honeycut	-\$1,557		\$9,680	-\$5,965	-\$5,000		\$5,280	\$178,438	4%	

17. Matched Pair - Sappony Solar, 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. This was a 1,900 s.f. manufactured home on a 6.00-acre lot that sold in 2018. I have compared that to three other nearby manufactured homes as shown below. The range of impacts is within typical market variation with an average of -1%, which supports a conclusion of no impact on property value. The landscaping buffer is considered medium.

Adjoin	ing Resi	dential	Sales Afte	r Solar F	arm Approv	ed							
Parcel	Solar	Ad	dress	Acres	Date Sold	Sales Price	Built	GBA	\$/GLA	BR/BA	Park	Styl	e Other
	Adjoins	12511	Palestine	6.00	7/31/2018	\$128,400	2013	1,900	\$67.58	4/2.5	Open	Manı	ıf
	Not	15698	Concord	3.92	7/31/2018	\$150,000	2010	2,310	\$64.94	4/2	Open	Manı	ıf Fence
	Not	23209	9 Sussex	1.03	7/7/2020	\$95,000	2005	1,675	\$56.72	3/2	Det Crpt	Manı	ıf
	Not	6494	Rocky Br	4.07	11/8/2018	\$100,000	2004	1,405	\$71.17	3/2	Open	Manı	ıf
Adjoi	ning Sa	les Ad	justed								Av	g	
Tin	1e	Site	YB	GLA	BR/B	A Park	Othe	er 1	l'otal	% Dif	f % D	iff	Distance
								\$1	28,400				1425
\$0)		\$2,250	-\$21,29	99 \$5,000)		\$1	35,951	-6%			
-\$5,6	560 \$3	13,000	\$3,800	\$10,20	9 \$5,000	\$1,500		\$1	22,849	4%			
-\$84	43		\$4,500	\$28,18	35			\$1	31,842	-3%			
											-19	%	

18. Matched Pair - Camden Dam, Camden, NC



This 5 MW project was built in 2019 and located on a portion of 49.83 acres.

Parcel 1 noted above along with the home on the adjoining parcel to the north of that parcel sold in late 2018 after this solar farm was approved but prior to construction being completed in 2019. I have considered this sale as shown below. The landscaping screen is considered light.

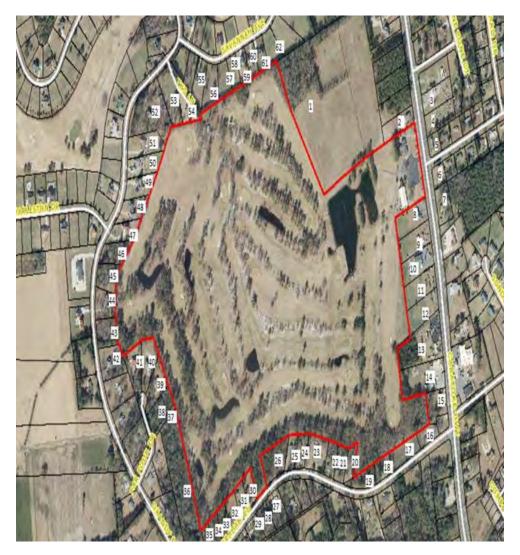
The comparable at 548 Trotman is the most similar and required the least adjustment shows no impact on property value. The other two comparables were adjusted consistently with one showing significant enhancement and another as showing a mild negative. The best indication is the one requiring the least adjustment. The other two sales required significant site adjustments which make them less reliable. The best comparable and the average of these comparables support a finding of no impact on property value.

Adjoining Residential Sales After Solar Farm Approved

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	\$/GLA	BR/BA	Park	Style	Other
Adjoins	122 N Mill Dam	12.19	11/29/2018	\$350,000	2005	2,334	\$149.96	3/3.5	3-Gar	Ranch	
Not	548 Trotman	12.10	5/31/2018	\$309,000	2007	1,960	\$157.65	4/2	Det2G	Ranch	Wrkshp
Not	198 Sand Hills	2.00	12/22/2017	\$235,000	2007	2,324	\$101.12	4/3	Open	Ranch	
Not	140 Sleepv Hlw	2.05	8/12/2019	\$330,000	2010	2.643	\$124.86	4/3	1-Gar	1.5 Story	

Adjoining Sales	Adjuste	ed	Avg								
Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	% Diff	Distance
122 N Mill Dam								\$350,000			342
548 Trotman	\$6,163		-\$3,090	\$35,377	\$5,000			\$352,450	-1%		
198 Sand Hills	\$8,808	\$45,000	-\$2,350	\$607		\$30,000		\$317,064	9%		
140 Sleepy Hlw	-\$9,258	\$45,000	-\$8,250	-\$23,149	\$5,000	\$30,000		\$369,343	-6%		
										1%	

19. Matched Pair - Grandy Solar, Grandy, NC



This 20 MW project was built in 2019 and located on a portion of 121 acres.

Parcels 40 and 50 have sold since construction began on this solar farm. I have considered both in matched pair analysis below. I note that the marketing for Parcel 40 (120 Par Four) identified the lack of homes behind the house as a feature in the listing. The marketing for Parcel 50 (269 Grandy) identified the property as "very private." Landscaping for both of these parcels is considered light.

Adjoining	g Reside	ential Sale	s After :	Solar Farm	Approve	i							
Solar	Add	ress	Acres	Date Sol	d Sales I	rice E	Built	GBA	\$/G	LA BR/	BA Pa	rk Sty	le Other
Adjoins	120 Pa	ar Four	0.92	8/17/201	9 \$315,	000	2006	2,188	\$143	.97 4/	3 2-0	ar 1.5 St	ory Pool
Not	102 T	'eague	0.69	1/5/2020	\$300,	000	2005	2,177	\$137	.80 3/	2 Det	3G Ran	ch
Not	112 Me	adow Lk	0.92	2/28/201	9 \$265,	000	1992	2,301	\$115	.17 3/	2 G	ar 1.5 St	ory
Not	116 Ba	arefoot	0.78	9/29/202	0 \$290,	000	2004	2,192	\$132	.30 4/	3 2-0	Gar 2 Sto	ory
Adjoinin	g Sales	Adjuste	d									Avg	
Addr	ess	Time	Site	YB	GLA	BR/B	A :	Park	Other	Total	% Diff	% Diff	Distance
120 Par	Four									\$315,000			405
102 Te	ague	-\$4,636		\$1,500	\$910	\$10,00	00		\$20,000	\$327,774	-4%		
112 Mea	dow Lk	\$4,937		\$18,550	-\$7,808	\$10,00	00 \$	10,000	\$20,000	\$320,679	-2%		
116 Bar	efoot	-\$12,998		\$2,900	-\$318				\$20,000	\$299,584	5%		
		. ,							•	,		0%	

Adjoining	Reside	ntial Sale	es After	Solar Farm	Approve	d							
Solar	Addı	ess	Acres	Date Sol	d Sales l	Price	Buil	t GBA	\$/G	LA BR/	BA Parl	s Styl	e Other
Adjoins	269 G:	randy	0.78	5/7/2019	9 \$275,	000	2019	1,53	5 \$179	.15 3/2	2.5 2-Ga	ır Rano	ch
Not	307 G:	randy	1.04	10/8/201	8 \$240,	000	2002	2 1,63	4 \$146	.88 3/	2 Gar	1.5 St	ory
Not	103 Bı	anch	0.95	4/22/202	0 \$230,	000	2000	1,53	2 \$150	.13 4/	2 2-Ga	ır 1.5 St	ory
Not	103 Sp:	ring Lf	1.07	8/14/201	8 \$270,	000	2002	1,63	5 \$165	.14 3/	2 2-Ga	ır Rano	ch Pool
Adjoinin	g Sales	Adjuste	d									Avg	
Addre	ess	Time	Site	YB	GLA	BR/	/BA	Park	Other	Total	% Diff	% Diff	Distance
269 Gra	andy									\$275,000			477
307 Gra	andy	\$5,550		\$20,400	-\$8,725	\$5,0	000	\$10,000		\$272,225	1%		
103 Bra	anch	-\$8,847		\$21,850	\$270					\$243,273	12%		
103 Spri	ing Lf	\$7,871		\$22,950	-\$9,908	\$5,0	000		-\$20,000	\$275,912	0%		
												4%	

Both of these matched pairs support a finding of no impact on value. This is reinforced by the listings for both properties identifying the privacy due to no housing in the rear of the property as part of the marketing for these homes.

20. Matched Pair - Champion Solar, Lexington County, SC



This project is a 10 MW facility located on a 366.04-acre tract that was built in 2017.

I have considered the 2020 sale of an adjoining home located off 517 Old Charleston Road. Landscaping is considered light.

Adiaining	Residential	Salac	After	Salar	Farm	Annrowed

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	\$/GBA	BR/BA	Park	Style	Other
Adjoins	517 Old Charleston	11.05	8/25/2020	\$110,000	1962	925	\$118.92	3/1	Crport	Br Rnch	
Not	133 Buena Vista	2.65	6/21/2020	\$115,000	1979	1,104	\$104.17	2/2	Crport	Br Rnch	
Not	214 Crystal Spr	2.13	6/10/2019	\$102,500	1970	1,025	\$100.00	3/2	Crport	Rnch	
Not	1429 Laurel	2.10	2/21/2019	\$126,000	1960	1,250	\$100.80	2/1.5	Open	Br Rnch	3 Gar/Brn

Adjoining Sales Adj	djoining Sales Adjusted										
Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	% Diff	Distance
517 Old Charleston								\$110,000			505
133 Buena Vista	\$410	\$17,000	-\$9,775	-\$14,917	-\$10,000			\$97,718	11%		
214 Crystal Spr	\$2,482	\$18,000	-\$4,100	-\$8,000	-\$10,000		\$10,000	\$110,882	-1%		
1429 Laurel	\$3,804	\$18,000	\$1,260	-\$26,208	-\$5,000	\$5,000	-\$15,000	\$107,856	2%		

4%



21. Matched Pair - Barefoot Bay Solar Farm, Barefoot Bay, FL

This project is located on 504 acres for a 74.5 MW facility. Most of the adjoining uses are medium density residential with some lower density agricultural uses to the southwest. This project was built in 2018. There is a new subdivision under development to the west.

I have considered a number of recent home sales from the Barefoot Bay Golf Course in the Barefoot Bay Recreation District. There are a number of sales of these mobile/manufactured homes along the eastern boundary and the lower northern boundary. I have compared those home sales to other similar homes in the same community but without the exposure to the solar farm. Staying within the same community keeps location and amenity impacts consistent. I did avoid any comparison with home sales with golf course or lakefront views as that would introduce another variable.

The six manufactured/double wide homes shown below were each compared to three similar homes in the same community and are consistently showing no impact on the adjoining property values. Based on the photos from the listings, there is limited but some visibility of the solar farm to the east, but the canal and landscaping between are providing a good visual buffer and actually are commanding a premium over the non-canal homes.

Landscaping for these adjoining homes is considered light, though photographs from the listings show that those homes on Papaya that adjoin the solar farm from east/west have no visibility of the solar farm and is effectively medium density due to the height differential. The homes that adjoin the solar farm from north/south along Papaya have some filtered view of the solar farm through the trees.

Adioi	ning Resid	iential Sales .	After So	lar Farm A	proved							
-	l Solar	Address		_	Sales Price	Built	GBA	\$/GLA	BR/BA	Park	Style	Other
14	Adjoins	465 Papaya Ci		7/21/2019	\$155,000	1993	1,104	\$140.40	2/2	Drive	Manuf	Canal
	Not	1108 Navajo	0.14	2/27/2019	\$129,000	1984	1,220	\$105.74	2/2	Crprt	Manuf	Canal
	Not	1007 Barefoot		9/3/2020	\$168,000	2005	1,052	\$159.70	2/2	Crprt	Manuf	Canal
	Not	1132 Waterwa		7/10/2020	\$129,000	1982	1,032	\$127.47	2/2	Crprt	Manuf	Canal
	NOt	1132 Waterwa	y 0.11	7/10/2020	\$129,000	1902	1,012	Ф127.47	2/2	Cipit	wanui	Callai
Adjoi	ning Sales	s Adjusted									Avg	
-	ddress	Time	YB	GLA	BR/BA	Park	Other	Tota	al	% Diff	% Diff	Distance
	Papaya Cr				,			\$155,0				765
	8 Navajo	\$1,565	\$5,805	-\$9,812				\$126,		18%		
	7 Barefoot		-\$10,080					\$158,		-2%		
	Waterway		\$7,095	\$9,382				\$141,		9%		
1102	waterway	ψ0,009	ψ1,050	ψ5,002				Ψ111,	310	370	8%	
											070	
Adjoi	ning Resid	iential Sales	After So	lar Farm A	pproved							
Parce	l Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	\$/GLA	BR/BA	Park	Style	Other
19	Adjoins	455 Papaya	0.12	9/1/2020	\$183,500	2005	1,620	\$113.27	3/2	Crprt	Manuf	Canal
	Not	938 Waterway	0.11	2/12/2020	\$160,000	1986	1,705	\$93.84	2/2	Crprt	Manuf	Canal
	Not	719 Barefoot	0.12	4/14/2020	\$150,000	1996	1,635	\$91.74	3/2	Crprt	Manuf	Canal
	Not	904 Fir	0.17		\$192,500	2010	1,626	\$118.39	3/2	Crprt	Manuf	Canal
									,	•		
Adjoi	ning Sales	s Adjusted									Avg	
A	ddress	Time	YB	GLA	BR/BA	Park	Other	Tota	al	% Diff	% Diff	Distance
455	5 Papaya							\$183,	500			750
938	Waterway	\$2,724	\$15,200	-\$6,381				\$171,	542	7%		
719	Barefoot	\$1,770	\$6,750	-\$1,101				\$157,	419	14%		
ç	004 Fir	-\$422	-\$4,813	-\$568				\$186,	697	-2%		
											6%	
Adjoi	ning Resid	iential Sales .	After So	lar Farm A	pproved							
Parce	l Solar	Address	Acres	Date Sold	Sales Price	D., :14	GBA	\$/GLA	DD /D /	Doul-	Q. 1	Other
37				Duce born	Daics I IIcc	Duiit	UDA	φ/GLA	BK/BA	Park	Style	Other
	Adjoins	419 Papaya	0.09	7/16/2019	\$127,500	1986	1,303	\$97.85	2/2	Crprt	Manuf	Green
	Adjoins Not		0.09	7/16/2019 2/4/2019					-		•	
	5	419 Papaya	0.09	7/16/2019	\$127,500	1986	1,303	\$97.85	2/2	Crprt	Manuf	Green
	Not	419 Papaya 865 Tamarind	0.09 0.12	7/16/2019 2/4/2019	\$127,500 \$133,900	1986 1995	1,303 1,368	\$97.85 \$97.88	2/2 2/2	Crprt Crprt	Manuf Manuf	Green
	Not Not Not	419 Papaya 865 Tamarind 501 Papaya 418 Papaya	0.09 0.12 0.10	7/16/2019 2/4/2019 6/15/2018	\$127,500 \$133,900 \$109,000	1986 1995 1986	1,303 1,368 1,234	\$97.85 \$97.88 \$88.33	2/2 2/2 2/2	Crprt Crprt Crprt	Manuf Manuf Manuf Manuf	Green
-	Not Not Not	419 Papaya 865 Tamarind 501 Papaya 418 Papaya	0.09 0.12 0.10 0.09	7/16/2019 2/4/2019 6/15/2018 8/28/2019	\$127,500 \$133,900 \$109,000 \$110,000	1986 1995 1986 1987	1,303 1,368 1,234 1,248	\$97.85 \$97.88 \$88.33 \$88.14	2/2 2/2 2/2 2/2 2/2	Crprt Crprt Crprt Crprt	Manuf Manuf Manuf Manuf	Green Green
A	Not Not Not ning Sales ddress	419 Papaya 865 Tamarind 501 Papaya 418 Papaya	0.09 0.12 0.10	7/16/2019 2/4/2019 6/15/2018	\$127,500 \$133,900 \$109,000 \$110,000	1986 1995 1986	1,303 1,368 1,234	\$97.85 \$97.88 \$88.33 \$88.14	2/2 2/2 2/2 2/2 2/2	Crprt Crprt Crprt	Manuf Manuf Manuf Manuf	Green Green Distance
A	Not Not Not ning Sales ddress O Papaya	419 Papaya 865 Tamarind 501 Papaya 418 Papaya s Adjusted Time	0.09 0.12 0.10 0.09	7/16/2019 2/4/2019 6/15/2018 8/28/2019 GLA	\$127,500 \$133,900 \$109,000 \$110,000	1986 1995 1986 1987	1,303 1,368 1,234 1,248	\$97.85 \$97.88 \$88.33 \$88.14	2/2 2/2 2/2 2/2 2/2	Crprt Crprt Crprt Crprt Crprt	Manuf Manuf Manuf Manuf	Green Green
A 419 865	Not Not Not ning Sales ddress O Papaya Tamarind	419 Papaya 865 Tamarind 501 Papaya 418 Papaya s Adjusted Time \$1,828	0.09 0.12 0.10 0.09 YB -\$6,026	7/16/2019 2/4/2019 6/15/2018 8/28/2019 GLA -\$5,090	\$127,500 \$133,900 \$109,000 \$110,000	1986 1995 1986 1987	1,303 1,368 1,234 1,248 Other	\$97.85 \$97.88 \$88.33 \$88.14 Tota \$127,4 \$124,4	2/2 2/2 2/2 2/2 2/2 31 500 613	Crprt Crprt Crprt Crprt Crprt Crprt	Manuf Manuf Manuf Manuf	Green Green Distance
419 865 501	Not Not Not ning Sales ddress Papaya Tamarind Papaya	419 Papaya 865 Tamarind 501 Papaya 418 Papaya s Adjusted Time \$1,828 \$3,637	0.09 0.12 0.10 0.09 YB -\$6,026 \$0	7/16/2019 2/4/2019 6/15/2018 8/28/2019 GLA -\$5,090 \$4,876	\$127,500 \$133,900 \$109,000 \$110,000	1986 1995 1986 1987	1,303 1,368 1,234 1,248 Other \$5,000	\$97.85 \$97.88 \$88.33 \$88.14 Tota \$127,! \$124,! \$122,!	2/2 2/2 2/2 2/2 2/2 al 500 613 513	Crprt Crprt Crprt Crprt Crprt **Diff* 2% 4%	Manuf Manuf Manuf Manuf	Green Green Distance
419 865 501	Not Not Not ning Sales ddress O Papaya Tamarind	419 Papaya 865 Tamarind 501 Papaya 418 Papaya s Adjusted Time \$1,828	0.09 0.12 0.10 0.09 YB -\$6,026	7/16/2019 2/4/2019 6/15/2018 8/28/2019 GLA -\$5,090	\$127,500 \$133,900 \$109,000 \$110,000	1986 1995 1986 1987	1,303 1,368 1,234 1,248 Other	\$97.85 \$97.88 \$88.33 \$88.14 Tota \$127,4 \$124,4	2/2 2/2 2/2 2/2 2/2 al 500 613 513	Crprt Crprt Crprt Crprt Crprt Crprt	Manuf Manuf Manuf Manuf Manuf Avg % Diff	Green Green Distance
419 865 501	Not Not Not ning Sales ddress Papaya Tamarind Papaya	419 Papaya 865 Tamarind 501 Papaya 418 Papaya s Adjusted Time \$1,828 \$3,637	0.09 0.12 0.10 0.09 YB -\$6,026 \$0	7/16/2019 2/4/2019 6/15/2018 8/28/2019 GLA -\$5,090 \$4,876	\$127,500 \$133,900 \$109,000 \$110,000	1986 1995 1986 1987	1,303 1,368 1,234 1,248 Other \$5,000	\$97.85 \$97.88 \$88.33 \$88.14 Tota \$127,! \$124,! \$122,!	2/2 2/2 2/2 2/2 2/2 al 500 613 513	Crprt Crprt Crprt Crprt Crprt **Diff* 2% 4%	Manuf Manuf Manuf Manuf	Green Green Distance
419 865 501 418	Not Not Not ning Sales ddress O Papaya Tamarind I Papaya 3 Papaya	419 Papaya 865 Tamarind 501 Papaya 418 Papaya s Adjusted Time \$1,828 \$3,637 -\$399	0.09 0.12 0.10 0.09 YB -\$6,026 \$0 -\$550	7/16/2019 2/4/2019 6/15/2018 8/28/2019 GLA -\$5,090 \$4,876 \$3,878	\$127,500 \$133,900 \$109,000 \$110,000	1986 1995 1986 1987	1,303 1,368 1,234 1,248 Other \$5,000	\$97.85 \$97.88 \$88.33 \$88.14 Tota \$127,! \$124,! \$122,!	2/2 2/2 2/2 2/2 2/2 al 500 613 513	Crprt Crprt Crprt Crprt Crprt **Diff* 2% 4%	Manuf Manuf Manuf Manuf Manuf Avg % Diff	Green Green Distance
419 865 501 418	Not Not Not ning Sales ddress Papaya Tamarind Papaya Papaya	419 Papaya 865 Tamarind 501 Papaya 418 Papaya s Adjusted Time \$1,828 \$3,637 -\$399	0.09 0.12 0.10 0.09 YB -\$6,026 \$0 -\$550	7/16/2019 2/4/2019 6/15/2018 8/28/2019 GLA -\$5,090 \$4,876 \$3,878	\$127,500 \$133,900 \$109,000 \$110,000 BR/BA	1986 1995 1986 1987	1,303 1,368 1,234 1,248 Other \$5,000	\$97.85 \$97.88 \$88.33 \$88.14 Tota \$127,4 \$124,4 \$112,5	2/2 2/2 2/2 2/2 2/2 81 500 613 513 930	Crprt Crprt Crprt Crprt Crprt % Diff 2% 4% 8%	Manuf Manuf Manuf Manuf Avg % Diff	Green Green Distance 690
A 419 865 501 418 Adjoin Parcel	Not Not Not Not ning Sales ddress 9 Papaya Tamarind 1 Papaya 3 Papaya	419 Papaya 865 Tamarind 501 Papaya 418 Papaya s Adjusted Time \$1,828 \$3,637 -\$399	0.09 0.12 0.10 0.09 YB -\$6,026 \$0 -\$550 After So	7/16/2019 2/4/2019 6/15/2018 8/28/2019 GLA -\$5,090 \$4,876 \$3,878	\$127,500 \$133,900 \$109,000 \$110,000 BR/BA	1986 1995 1986 1987 Park	1,303 1,368 1,234 1,248 Other \$5,000	\$97.85 \$97.88 \$88.33 \$88.14 Tota \$127,4 \$124,4 \$1122,4 \$117,5	2/2 2/2 2/2 2/2 2/2 81 500 613 513 930	Crprt Crprt Crprt Crprt % Diff 2% 4% 8%	Manuf Manuf Manuf Manuf Avg % Diff	Green Green Distance 690 Other
419 865 501 418	Not Not Not Not ning Sales ddress 9 Papaya Tamarind 1 Papaya 3 Papaya ning Resid 1 Solar Adjoins	419 Papaya 865 Tamarind 501 Papaya 418 Papaya s Adjusted Time \$1,828 \$3,637 -\$399 dential Sales Address 413 Papaya	0.09 0.12 0.10 0.09 YB -\$6,026 \$0 -\$550 After So Acres 0.09	7/16/2019 2/4/2019 6/15/2018 8/28/2019 GLA -\$5,090 \$4,876 \$3,878 lar Farm Ap Date Sold 7/16/2020	\$127,500 \$133,900 \$109,000 \$110,000 BR/BA I	1986 1995 1986 1987 Park Built 2001	1,303 1,368 1,234 1,248 Other \$5,000 \$5,000	\$97.85 \$97.88 \$88.33 \$88.14 Tota \$127,4 \$124,4 \$122,4 \$117,5 \$/GLA \$141.61	2/2 2/2 2/2 2/2 2/2 81 500 613 513 930	Crprt Crprt Crprt Crprt % Diff 2% 4% 8% Park Crprt	Manuf Manuf Manuf Manuf Avg % Diff 5%	Green Green Distance 690 Other Grn/Upd
A 419 865 501 418 Adjoin Parcel	Not Not Not Not ning Sales ddress 9 Papaya Tamarind 1 Papaya 3 Papaya ning Resid 1 Solar Adjoins Not	419 Papaya 865 Tamarind 501 Papaya 418 Papaya s Adjusted Time \$1,828 \$3,637 -\$399 dential Sales Address 413 Papaya 341 Loquat	0.09 0.12 0.10 0.09 YB -\$6,026 \$0 -\$550 After So Acres 0.09	7/16/2019 2/4/2019 6/15/2018 8/28/2019 GLA -\$5,090 \$4,876 \$3,878 lar Farm Ap Date Sold 7/16/2020 2/3/2020	\$127,500 \$133,900 \$109,000 \$110,000 BR/BA I	1986 1995 1986 1987 Park Built 2001 1985	1,303 1,368 1,234 1,248 Other \$5,000 \$5,000	\$97.85 \$97.88 \$88.33 \$88.14 Tota \$127,4 \$122,4 \$117,5 \$/GLA \$141.61 \$119.31	2/2 2/2 2/2 2/2 2/2 81 500 613 513 930 BR/BA 2/2 2/2	Crprt Crprt Crprt Crprt % Diff 2% 4% 8% Park Crprt Crprt Crprt	Manuf Manuf Manuf Manuf Avg % Diff 5% Style Manuf Manuf	Green Green Distance 690 Other Grn/Upd Full Upd
A 419 865 501 418 Adjoin Parcel	Not Not Not Not Not ning Sales ddress 9 Papaya Tamarind 1 Papaya 3 Papaya ning Resid 1 Solar Adjoins Not Not	419 Papaya 865 Tamarind 501 Papaya 418 Papaya s Adjusted Time \$1,828 \$3,637 -\$399 dential Sales Address 413 Papaya 341 Loquat 1119 Pocatella	0.09 0.12 0.10 0.09 YB -\$6,026 \$0 -\$550 After So Acres 0.09 0.09 a 0.19	7/16/2019 2/4/2019 6/15/2018 8/28/2019 GLA -\$5,090 \$4,876 \$3,878 lar Farm Ap Date Sold 7/16/2020 2/3/2020 1/5/2021	\$127,500 \$133,900 \$109,000 \$110,000 BR/BA PProved Sales Price \$130,000 \$118,000 \$120,000	1986 1995 1986 1987 Park Built 2001 1985 1993	1,303 1,368 1,234 1,248 Other \$5,000 \$5,000 GBA 918 989 999	\$97.85 \$97.88 \$88.33 \$88.14 Tota \$127,4 \$124,4 \$122,4 \$117,5 \$/GLA \$141.61 \$119.31 \$120.12	2/2 2/2 2/2 2/2 2/2 2/2 81 500 613 513 930 BR/BA 2/2 2/2 2/2	Crprt Crprt Crprt Crprt % Diff 2% 4% 8% Park Crprt Crprt Crprt Crprt Crprt	Manuf Manuf Manuf Manuf Avg % Diff 5% Style Manuf Manuf Manuf	Green Green Distance 690 Other Grn/Upd Full Upd Green
A 419 865 501 418 Adjoin Parcel	Not Not Not Not ning Sales ddress 9 Papaya Tamarind 1 Papaya 3 Papaya ning Resid 1 Solar Adjoins Not	419 Papaya 865 Tamarind 501 Papaya 418 Papaya s Adjusted Time \$1,828 \$3,637 -\$399 dential Sales Address 413 Papaya 341 Loquat	0.09 0.12 0.10 0.09 YB -\$6,026 \$0 -\$550 After So Acres 0.09 0.09 a 0.19	7/16/2019 2/4/2019 6/15/2018 8/28/2019 GLA -\$5,090 \$4,876 \$3,878 lar Farm Ap Date Sold 7/16/2020 2/3/2020	\$127,500 \$133,900 \$109,000 \$110,000 BR/BA I	1986 1995 1986 1987 Park Built 2001 1985	1,303 1,368 1,234 1,248 Other \$5,000 \$5,000	\$97.85 \$97.88 \$88.33 \$88.14 Tota \$127,4 \$122,4 \$117,5 \$/GLA \$141.61 \$119.31	2/2 2/2 2/2 2/2 2/2 81 500 613 513 930 BR/BA 2/2 2/2	Crprt Crprt Crprt Crprt % Diff 2% 4% 8% Park Crprt Crprt Crprt	Manuf Manuf Manuf Manuf Avg % Diff 5% Style Manuf Manuf Manuf	Green Green Distance 690 Other Grn/Upd Full Upd
A 419 865 501 418 Adjoin Parcel	Not Not Not Not Not ning Sales ddress 9 Papaya Tamarind 1 Papaya 3 Papaya ning Resid 1 Solar Adjoins Not Not	419 Papaya 865 Tamarind 501 Papaya 418 Papaya s Adjusted Time \$1,828 \$3,637 -\$399 dential Sales Address 413 Papaya 341 Loquat 1119 Pocatella	0.09 0.12 0.10 0.09 YB -\$6,026 \$0 -\$550 After So Acres 0.09 0.09 a 0.19	7/16/2019 2/4/2019 6/15/2018 8/28/2019 GLA -\$5,090 \$4,876 \$3,878 lar Farm Ap Date Sold 7/16/2020 2/3/2020 1/5/2021	\$127,500 \$133,900 \$109,000 \$110,000 BR/BA PProved Sales Price \$130,000 \$118,000 \$120,000	1986 1995 1986 1987 Park Built 2001 1985 1993	1,303 1,368 1,234 1,248 Other \$5,000 \$5,000 GBA 918 989 999	\$97.85 \$97.88 \$88.33 \$88.14 Tota \$127,4 \$124,4 \$122,4 \$117,5 \$/GLA \$141.61 \$119.31 \$120.12	2/2 2/2 2/2 2/2 2/2 2/2 81 500 613 513 930 BR/BA 2/2 2/2 2/2	Crprt Crprt Crprt Crprt % Diff 2% 4% 8% Park Crprt Crprt Crprt Crprt Crprt	Manuf Manuf Manuf Manuf Avg % Diff 5% Style Manuf Manuf Manuf	Green Green Distance 690 Other Grn/Upd Full Upd Green
A 419 865 500 418 Adjoin Parcel 39	Not Not Not Not Not Not ning Sales ddress Papaya Tamarind Papaya Papaya Papaya Sales Adjoins Not Not Not	419 Papaya 865 Tamarind 501 Papaya 418 Papaya s Adjusted Time \$1,828 \$3,637 -\$399 dential Sales Address 413 Papaya 341 Loquat 1119 Pocatella	0.09 0.12 0.10 0.09 YB -\$6,026 \$0 -\$550 After So Acres 0.09 0.09 a 0.19	7/16/2019 2/4/2019 6/15/2018 8/28/2019 GLA -\$5,090 \$4,876 \$3,878 lar Farm Ap Date Sold 7/16/2020 2/3/2020 1/5/2021	\$127,500 \$133,900 \$109,000 \$110,000 BR/BA PProved Sales Price \$130,000 \$118,000 \$120,000	1986 1995 1986 1987 Park Built 2001 1985 1993	1,303 1,368 1,234 1,248 Other \$5,000 \$5,000 GBA 918 989 999	\$97.85 \$97.88 \$88.33 \$88.14 Tota \$127,4 \$124,4 \$122,4 \$117,5 \$/GLA \$141.61 \$119.31 \$120.12	2/2 2/2 2/2 2/2 2/2 2/2 81 500 613 513 930 BR/BA 2/2 2/2 2/2	Crprt Crprt Crprt Crprt % Diff 2% 4% 8% Park Crprt Crprt Crprt Crprt Crprt	Manuf Manuf Manuf Manuf Avg % Diff 5% Style Manuf Manuf Manuf	Green Green Distance 690 Other Grn/Upd Full Upd Green
A 419 865 500 418 Adjoin Parcel 39	Not Not Not Not Not Not ning Sales ddress Papaya Tamarind Papaya Papaya Papaya Sales Adjoins Not Not Not	419 Papaya 865 Tamarind 501 Papaya 418 Papaya 418 Papaya s Adjusted Time \$1,828 \$3,637 -\$399 dential Sales Address 413 Papaya 341 Loquat 1119 Pocatella 1367 Barefoot	0.09 0.12 0.10 0.09 YB -\$6,026 \$0 -\$550 After So Acres 0.09 0.09 a 0.19	7/16/2019 2/4/2019 6/15/2018 8/28/2019 GLA -\$5,090 \$4,876 \$3,878 lar Farm Ap Date Sold 7/16/2020 2/3/2020 1/5/2021	\$127,500 \$133,900 \$109,000 \$110,000 BR/BA Deproved Sales Price \$130,000 \$118,000 \$120,000 \$130,500	1986 1995 1986 1987 Park Built 2001 1985 1993	1,303 1,368 1,234 1,248 Other \$5,000 \$5,000 GBA 918 989 999	\$97.85 \$97.88 \$88.33 \$88.14 Tota \$127,4 \$124,4 \$122,4 \$117,5 \$/GLA \$141.61 \$119.31 \$120.12	2/2 2/2 2/2 2/2 2/2 2/2 31 5500 6513 5513 930 BR/BA 2/2 2/2 2/2 2/2 2/2	Crprt Crprt Crprt Crprt % Diff 2% 4% 8% Park Crprt Crprt Crprt Crprt Crprt	Manuf Manuf Manuf Manuf Avg % Diff 5% Style Manuf Manuf Manuf Manuf	Green Green Distance 690 Other Grn/Upd Full Upd Green
A 419 865 500 418 Adjoin Parcel 39	Not Not Not Not Not ning Sales ddress Papaya Tamarind Papaya Papaya Papaya Not Not Not Not Not Not Not	419 Papaya 865 Tamarind 501 Papaya 418 Papaya 418 Papaya s Adjusted Time \$1,828 \$3,637 -\$399 dential Sales Address 413 Papaya 341 Loquat 1119 Pocatella 1367 Barefoot	0.09 0.12 0.10 0.09 YB -\$6,026 \$0 -\$550 After So Acres 0.09 0.09 0.19 0.10	7/16/2019 2/4/2019 6/15/2018 8/28/2019 GLA -\$5,090 \$4,876 \$3,878 lar Farm Ap Date Sold 7/16/2020 2/3/2020 1/5/2021 1/12/2021	\$127,500 \$133,900 \$109,000 \$110,000 BR/BA Deproved Sales Price \$130,000 \$118,000 \$120,000 \$130,500	1986 1995 1986 1987 Park Built 2001 1985 1993 1987	1,303 1,368 1,234 1,248 Other \$5,000 \$5,000 GBA 918 989 999 902	\$97.85 \$97.88 \$88.33 \$88.14 Tota \$127, \$124, \$1122, \$117, \$4 \$141.61 \$119.31 \$120.12 \$144.68	2/2 2/2 2/2 2/2 2/2 2/2 330 8R/BA 2/2 2/2 2/2 2/2 2/2	Crprt Crprt Crprt Crprt % Diff 2% 4% 8% Park Crprt Crprt Crprt Crprt Crprt Crprt Crprt	Manuf Manuf Manuf Manuf Avg % Diff 5% Style Manuf Manuf Manuf Manuf	Green Green Distance 690 Other Grn/Upd Full Upd Green Green/Upd
Adjoin Adjoin Adjoin Adjoin Adjoin Adjoin	Not Not Not Not Not ning Sales ddress Papaya Tamarind Papaya Papaya Robert Adjoins Not Not Not Not Not Not ning Sales ddress	419 Papaya 865 Tamarind 501 Papaya 418 Papaya 418 Papaya s Adjusted Time \$1,828 \$3,637 -\$399 dential Sales Address 413 Papaya 341 Loquat 1119 Pocatella 1367 Barefoot	0.09 0.12 0.10 0.09 YB -\$6,026 \$0 -\$550 After So Acres 0.09 0.09 0.19 0.10	7/16/2019 2/4/2019 6/15/2018 8/28/2019 GLA -\$5,090 \$4,876 \$3,878 lar Farm Ap Date Sold 7/16/2020 2/3/2020 1/5/2021 1/12/2021	\$127,500 \$133,900 \$109,000 \$110,000 BR/BA Deproved Sales Price \$130,000 \$118,000 \$120,000 \$130,500	1986 1995 1986 1987 Park Built 2001 1985 1993 1987	1,303 1,368 1,234 1,248 Other \$5,000 \$5,000 GBA 918 989 999 902	\$97.85 \$97.88 \$88.33 \$88.14 Tota \$127, \$124, \$1122, \$117, \$4 \$141.61 \$119.31 \$120.12 \$144.68	2/2 2/2 2/2 2/2 2/2 2/2 330 8R/BA 2/2 2/2 2/2 2/2 2/2 2/2	Crprt Crprt Crprt Crprt % Diff 2% 4% 8% Park Crprt Crprt Crprt Crprt Crprt Crprt Crprt	Manuf Manuf Manuf Manuf Avg % Diff 5% Style Manuf Manuf Manuf Manuf	Green Green Distance 690 Other Grn/Upd Full Upd Green Green/Upd
Adjoin Adjoin Adjoin Adjoin Adjoin A 413 343	Not Not Not Not Not ning Sales ddress Papaya Tamarind Papaya Papaya Not	419 Papaya 865 Tamarind 501 Papaya 418 Papaya 418 Papaya s Adjusted Time \$1,828 \$3,637 -\$399 dential Sales Address 413 Papaya 341 Loquat 1119 Pocatella 1367 Barefoot s Adjusted Time	0.09 0.12 0.10 0.09 YB -\$6,026 \$0 -\$550 After So Acres 0.09 0.09 0.19 0.10	7/16/2019 2/4/2019 6/15/2018 8/28/2019 GLA -\$5,090 \$4,876 \$3,878 lar Farm Ap Date Sold 7/16/2020 2/3/2020 1/5/2021 1/12/2021	\$127,500 \$133,900 \$109,000 \$110,000 BR/BA Deproved Sales Price \$130,000 \$118,000 \$120,000 \$130,500	1986 1995 1986 1987 Park Built 2001 1985 1993 1987	1,303 1,368 1,234 1,248 Other \$5,000 \$5,000 GBA 918 989 999 902	\$97.85 \$97.88 \$88.33 \$88.14 Tota \$127, \$124, \$122, \$117, \$4/GLA \$141.61 \$119.31 \$120.12 \$144.68	2/2 2/2 2/2 2/2 2/2 2/2 2/2 2/2 2/2 2/2	Crprt Crprt Crprt Crprt % Diff 2% 4% 8% Park Crprt	Manuf Manuf Manuf Manuf Avg % Diff 5% Style Manuf Manuf Manuf Manuf	Green Green Distance 690 Other Grn/Upd Full Upd Green Green/Upd
Adjoin Adjoin Adjoin Adjoin A113	Not Not Not Not Not ning Sales ddress Papaya Tamarind Papaya Papaya Robert Adjoins Not	419 Papaya 865 Tamarind 501 Papaya 418 Papaya 418 Papaya s Adjusted Time \$1,828 \$3,637 -\$399 dential Sales Address 413 Papaya 341 Loquat 1119 Pocatella 1367 Barefoot s Adjusted Time \$1,631	0.09 0.12 0.10 0.09 YB -\$6,026 \$0 -\$550 After So Acres 0.09 0.09 0.019 0.10	7/16/2019 2/4/2019 6/15/2018 8/28/2019 GLA -\$5,090 \$4,876 \$3,878 lar Farm Ap Date Sold 7/16/2020 2/3/2020 1/5/2021 1/12/2021 GLA -\$6,777	\$127,500 \$133,900 \$109,000 \$110,000 BR/BA Deproved Sales Price \$130,000 \$118,000 \$120,000 \$130,500	1986 1995 1986 1987 Park Built 2001 1985 1993 1987	1,303 1,368 1,234 1,248 Other \$5,000 \$5,000 GBA 918 989 999 902	\$97.85 \$97.88 \$88.33 \$88.14 Tota \$127, \$124, \$1122, \$117, \$4 \$141.61 \$119.31 \$120.12 \$144.68	2/2 2/2 2/2 2/2 2/2 2/2 2/2 2/2 2/2 2/2	Crprt Crprt Crprt Crprt % Diff 2% 4% 8% Park Crprt	Manuf Manuf Manuf Manuf Avg % Diff 5% Style Manuf Manuf Manuf Manuf	Green Green Distance 690 Other Grn/Upd Full Upd Green Green/Upd
Adjoin Adjoin Adjoin Adjoin A113	Not Not Not Not Not ning Sales ddress Papaya Tamarind Papaya Papaya Papaya Not	419 Papaya 865 Tamarind 501 Papaya 418 Papaya 418 Papaya s Adjusted Time \$1,828 \$3,637 -\$399 dential Sales Address 413 Papaya 341 Loquat 1119 Pocatella 1367 Barefoot s Adjusted Time \$1,631 -\$1,749	0.09 0.12 0.10 0.09 YB -\$6,026 \$0 -\$550 After So Acres 0.09 0.09 0.19 0.10 YB	7/16/2019 2/4/2019 6/15/2018 8/28/2019 GLA -\$5,090 \$4,876 \$3,878 lar Farm Ap Date Sold 7/16/2020 2/3/2020 1/5/2021 1/12/2021 GLA -\$6,777 -\$7,784	\$127,500 \$133,900 \$109,000 \$110,000 BR/BA Deproved Sales Price \$130,000 \$118,000 \$120,000 \$130,500	1986 1995 1986 1987 Park Built 2001 1985 1993 1987	1,303 1,368 1,234 1,248 Other \$5,000 \$5,000 GBA 918 989 999 902	\$97.85 \$97.88 \$88.33 \$88.14 Tota \$127,\\$ \$124,\\$ \$122,\\$ \$117,\\$ \$/GLA \$141.61 \$119.31 \$120.12 \$144.68	2/2 2/2 2/2 2/2 2/2 2/2 2/2 2/2 2/2 2/2	Crprt Crprt Crprt Crprt % Diff 2% 4% 8% Park Crprt	Manuf Manuf Manuf Manuf Avg % Diff 5% Style Manuf Manuf Manuf Manuf	Green Green Distance 690 Other Grn/Upd Full Upd Green Green/Upd

Adjoir	ning Resid	iential Sales A	After So	lar Farm Ap	proved							
Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	\$/GLA	BR/BA	Park	Style	Other
48	Adjoins	343 Papaya	0.09	12/17/2019	\$145,000	1986	1,508	\$96.15	3/2	Crprt	Manuf	Gn/Fc/Upd
	Not	865 Tamarind	0.12	2/4/2019	\$133,900	1995	1,368	\$97.88	2/2	Crprt	Manuf	Green
	Not	515 Papaya	0.09	3/22/2018	\$145,000	2005	1,376	\$105.38	3/2	Crprt	Manuf	Green
	Not	849 Tamarind	0.15	6/26/2019	\$155,000	1997	1,716	\$90.33	3/2	Crprt	Manuf	Grn/Fnce
Adjoir	ning Sales	s Adjusted									Avg	
Ac	ddress	Time	YB	GLA	BR/BA	Park	Other	Tota	al %	6 Diff	% Diff	Distance
343	Papaya							\$145,	000			690
865 ′	Tamarind	\$3,566	-\$6,026	\$10,963				\$142,	403	2%		
515	Papaya	\$7,759 -	\$13,775	\$11,128				\$150,	112	-4%		
849 ′	Tamarind	\$2,273	-\$8,525	-\$15,030			\$5,000	\$138,	717	4%		
											1%	
Adiain	ing Bosis	dential Sales A	\fto# Co	los Fosso As								
•	Solar	Address		-	Sales Price	Built	GBA	\$/GLA	BR/BA	Park	Style	Other
52	Nearby	335 Papaya	0.09	4/17/2018	\$110,000	1987	1,180	\$93.22	2/2	Crprt	Manuf	Green
02	Not	865 Tamarind		2/4/2019	\$133,900	1995	1,368	\$97.88	2/2	Crprt	Manuf	Green
	Not	501 Papaya	0.10	6/15/2018	\$109,000	1986	1,234	\$88.33	2/2	Crprt	Manuf	arcon
	Not	604 Puffin	0.09	10/23/2018	,	1988	1,320	\$83.33	2/2	Crprt	Manuf	
	1.00	00.1 41111	0.05	10/20/2010	\$110,000	1500	1,020	φοσ.σσ	-/-	Olpic		
Adjoir	ning Sales	s Adjusted									Avg	
Ac	ddress	Time	YB	GLA	BR/BA	Park	Other	Tota	al %	6 Diff	% Diff	Distance
335	Papaya							\$110,	000			710
865 ′	Tamarind	-\$3,306	-\$5,356	-\$14,721			\$0	\$110,	517	0%		
501	Papaya	-\$542	\$545	-\$3,816			\$5,000	\$110,	187	0%		
604	4 Puffin	-\$1,752	-\$550	-\$9,333			\$5,000	\$103,	365	6%		
											2%	

I also identified a new subdivision being developed just to the west of this solar farm called The Lakes at Sebastian Preserve. These are all canal-lot homes that are being built with homes starting at \$271,000 based on the website and closed sales showing up to \$342,000. According to Monique, the onsite broker with Holiday Builders, the solar farm is difficult to see from the lots that back up to that area and she does not anticipate any difficulty in selling those future homes or lots or any impact on the sales price. The closest home that will be built in this development will be approximately 340 feet from the nearest panel.

Based on the closed home prices in Barefoot Bay as well as the broker comments and activity at The Lakes at Sebastian Preserve, the data around this solar farm strongly indicates no negative impact on property value.

22. Matched Pair - Miami-Dade Solar Farm, Miami, FL



This project is located on 346.80 acres for a 74.5 MW facility. All of the adjoining uses are agricultural and residential. This project was built in 2019.

I considered the recent sale of Parcel 26 to the south that sold for over \$1.6 million dollars. This home is located on 4.2 acres with additional value in the palm trees according to the listing. The comparables include similar homes nearby that are all actually on larger lots and several include avocado or palm tree income as well. All of the comparables are in similar proximity to the subject and all have similar proximity to the Miami-Dade Executive airport that is located 2.5 miles to the east.

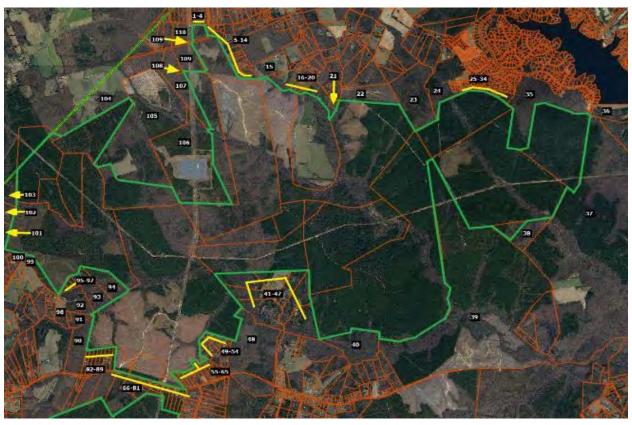
These sales are showing no impact on the value of the property from the adjoining solar farm. The landscaping is considered light.

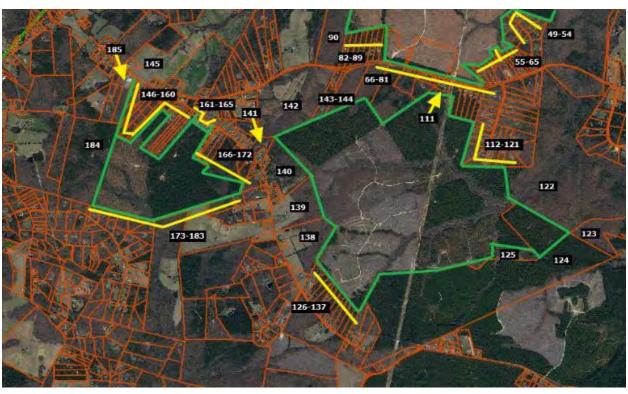
Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	\$/GLA	BR/BA	Park	Style	Other
26	Adjoins	13600 SW 182nd	4.20	11/5/2020	\$1,684,000	2008	6,427	\$262.02	5/5.5	3 Gar	CBS Rnch I	Pl/Guest
	Not	18090 SW 158th	5.73	10/8/2020	\$1,050,000	1997	3,792	\$276.90	5/4	3 Gar	CBS Rnch	
	Not	14311 SW 187th	4.70	10/22/2020	\$1,100,000	2005	3,821	\$287.88	6/5	3 Gar	CBS Rnch	Pool
	Not	17950 SW 158th	6.21	10/22/2020	\$1,730,000	2000	6,917	\$250.11	6/5.5	2 Gar	CBS Rnch	Pool

Adjoining Sales Ad	ljusted									Avg	
Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	% Diff	Distance
13600 SW 182nd								\$1,684,000			1390
18090 SW 158th	\$2,478		\$57,750	\$583,703	\$30,000			\$1,723,930	-2%		
14311 SW 187th	\$1,298		\$16,500	\$600,178	\$10,000			\$1,727,976	-3%		
17950 SW 158th	\$2,041		\$69,200	-\$98,043		\$10,000		\$1,713,199	-2%		
										-2%	

23. Matched Pair - Spotsylvania Solar, Paytes, 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%

Average Diff

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 A	djusted									
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%	

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 B	smt/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 A	djusted									
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%	
							Ave	erage Diff	-4%	

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.

Conclusion - SouthEast Over 5 MW

Sou	theast USA Ov	er 5 MW												
Mat	ched Pair Sum	ımary				_	Adj. Us	ses By	Acreage		1 mile	Radius (2	010-2020 Data)	
						Topo						Med.	Avg. Housing	Veg.
	Name	City	State	Acres	$\mathbf{M}\mathbf{W}$	Shift	Res	Ag	Ag/Res	Com/Ind	Pop.	Income	Unit	Buffer
1	AM Best	Goldsboro	NC	38	5.00	2	38%	0%	23%	39%	1,523	\$37,358	\$148,375	Light
2	Mulberry	Selmer	TN	160	5.00	60	13%	73%	10%	3%	467	\$40,936	\$171,746	Lt to Med
3	Leonard	Hughesville	MD	47	5.00	20	18%	75%	0%	6%	525	\$106,550	\$350,000	Light
4	Gastonia SC	Gastonia	NC	35	5.00	48	33%	0%	23%	44%	4,689	\$35,057	\$126,562	Light
5	Summit	Moyock	NC	2,034	80.00	4	4%	0%	94%	2%	382	\$79,114	\$281,731	Light
6	Tracy	Bailey	NC	50	5.00	10	29%	0%	71%	0%	312	\$43,940	\$99,219	Heavy
7	Manatee	Parrish	FL	1,180	75.00	20	2%	97%	1%	0%	48	\$75,000	\$291,667	Heavy
8	McBride	Midland	NC	627	75.00	140	12%	10%	78%	0%	398	\$63,678	\$256,306	Lt to Med
9	Mariposa	Stanley	NC	36	5.00	96	48%	0%	52%	0%	1,716	\$36,439	\$137,884	Light
10	Clarke Cnty	White Post	VA	234	20.00	70	14%	39%	46%	1%	578	\$81,022	\$374,453	Light
11	Simon	Social Circle	GA	237	30.00	71	1%	63%	36%	0%	203	\$76,155	\$269,922	Medium
12	Candace	Princeton	NC	54	5.00	22	76%	24%	0%	0%	448	\$51,002	\$107,171	Medium
13	Walker	Barhamsville	VA	485	20.00	N/A	12%	68%	20%	0%	203	\$80,773	\$320,076	Light
14	Innov 46	Hope Mills	NC	532	78.50	0	17%	83%	0%	0%	2,247	\$58,688	\$183,435	Light
15	Innov 42	Fayetteville	NC	414	71.00	0	41%	59%	0%	0%	568	\$60,037	\$276,347	Light
16	Sunfish	Willow Spring	NC	50	6.40	30	35%	35%	30%	0%	1,515	\$63,652	\$253,138	Light
17	Sappony	Stony Crk	VA	322	20.00	N/A	2%	98%	0%	0%	74	\$51,410	\$155,208	Light
18	Camden Dam	Camden	NC	50	5.00	0	17%	72%	11%	0%	403	\$84,426	\$230,288	Light
19	Grandy	Grandy	NC	121	20.00	10	55%	24%	0%	21%	949	\$50,355	\$231,408	Light
20	Champion	Pelion	SC	100	10.00	N/A	4%	70%	8%	18%	1,336	\$46,867	\$171,939	Light
21	Barefoot Bay	Barefoot Bay	FL	504	74.50	0	11%	87%	0%	3%	2,446	\$36,737	\$143,320	Lt to Med
22	Miami-Dade	Miami	FL	347	74.50	0	26%	74%	0%	0%	127	\$90,909	\$403,571	Light
23	Spotyslvania	Paytes	VA	3,500	617.00	160	37%	52%	11%	0%	74	\$120,861	\$483,333	Md to Hvy
		·		•								,	*	3
	Average			485	57.04	38	24%	48%	22%	6%	923	\$63,955	\$237,700	
	Median			234	20.00	20	17%	59%	11%	0%	467	\$60,037	\$231,408	
	High			3,500	617.00	160	76%	98%	94%	44%	4,689	\$120,861	\$483,333	
	Low			35	5.00	0	1%	0%	0%	0%	48	\$35,057	\$99,219	
												. ,	* * * * * * * * * * * * * * * * * * * *	

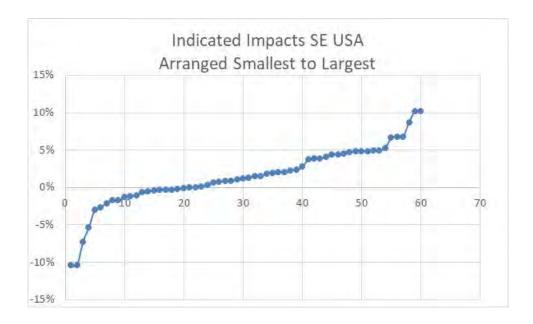
The solar farm matched pairs shown above have similar characteristics to each other in terms of population, but with several outliers showing solar farms in farm more urban areas. The median income for the population within 1 mile of a solar farm is \$60,037 with a median housing unit value of \$231,408. Most of the comparables are under \$300,000 in the home price, with \$483,333 being the high end of the set, though I have matched pairs in multiple states over \$1,000,000 adjoining solar farms. The adjoining uses show that residential and agricultural uses are the predominant adjoining uses. These figures are in line with the larger set of solar farms that I have looked at with the predominant adjoining uses being residential and agricultural and similar to the solar farm breakdown shown for Virginia and adjoining states as well as the proposed subject property.

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.

I have pulled 56 matched pairs from the above referenced solar farms to provide the following summary of home sale matched pairs and land sales next to solar farms. The summary shows that the range of differences is from -10% to +10% with an average of +1% and median of +1%. This means that the average and median impact is for a slight positive impact due to adjacency to a solar farm. However, this +1 to rate is within the typical variability I would expect from real estate. I therefore conclude that this data shows no negative or positive impact due to adjacency to a solar farm

While the range is seemingly wide, the graph below clearly shows that the vast majority of the data falls between -5% and +5% and most of those are clearly in the 0 to +5% range. This data strongly supports an indication of no impact on adjoining residential uses to a solar farm.

I therefore conclude that these matched pairs support a finding of no impact on value at the subject property for the proposed project, which as proposed will include a landscaped buffer to screen adjoining residential properties.



Residential Dwelling Matched Pairs Adjoining Solar Farms

Residential Dwelli	ing Matched P	airs Adjo	oining So	lar Farms Approx				Adj. Sale		Veg.
Pair Solar Farm	City	State	мw		Tax ID/Address	Date	Sale Price	-	% Diff	Buffer
1 AM Best	Goldsboro	NC	5	280	3600195570	Sep-13	\$250,000	11100	/0 D 111	Light
1 1111 2000	dordosoro		Ü	200	3600198928	Mar-14	\$250,000	\$250,000	0%	218111
2 AM Best	Goldsboro	NC	5	280	3600195361	Sep-13	\$260,000		0,0	Light
2 mm best	Goldsboro	110	0	200	3600193301		\$258,000		1%	Digitt
2 AM D	0-14-1	NO	_	000		Apr-14			170	T 1 - 1 - 4
3 AM Best	Goldsboro	NC	5	280	3600199891	Jul-14	\$250,000		001	Light
			_		3600198928	Mar-14	\$250,000		0%	
4 AM Best	Goldsboro	NC	5	280	3600198632	Aug-14	\$253,000			Light
					3600193710	Oct-13	\$248,000		2%	
5 AM Best	Goldsboro	NC	5	280	3600196656	Dec-13	\$255,000			Light
					3601105180	Dec-13	\$253,000	\$253,000	1%	
6 AM Best	Goldsboro	NC	5	280	3600182511	Feb-13	\$247,000			Light
					3600183905	Dec-12	\$240,000	\$245,000	1%	
7 AM Best	Goldsboro	NC	5	280	3600182784	Apr-13	\$245,000			Light
					3600193710	Oct-13	\$248,000	\$248,000	-1%	
8 AM Best	Goldsboro	NC	5	280	3600195361	Nov-15	\$267,500			Light
					3600195361	Sep-13	\$260,000	\$267,800	0%	_
9 Mulberry	Selmer	TN	5	400	0900A011	Jul-14	\$130,000			Light
3			-		099CA043	Feb-15	\$148,900		-5%	J
10 Mulberry	Selmer	TN	5	400	099CA002	Jul-15	\$130,000		0 70	Light
10 Mulbelly	Jenner		3	700	0990NA040	Mar-15	\$130,000		7%	
1.1 Maylbo	Selmer	TN	5	480		Oct-16	\$176,000		1 /0	Light
11 Mulberry	Seimer	TN	5	480	491 Dusty					Light
40.14 !!			_	. .	35 April	Aug-16	\$185,000		-1%	"
12 Mulberry	Selmer	TN	5	650	297 Country	Sep-16	\$150,000			Medium
					53 Glen	Mar-17	\$126,000		4%	
13 Mulberry	Selmer	TN	5	685	57 Cooper	Feb-19	\$163,000			Medium
					191 Amelia	Aug-18	\$132,000	\$155,947	4%	
14 Leonard Rd	Hughesville	MD	5.5	230	14595 Box Elder	Feb-16	\$291,000			Light
					15313 Bassford Rd	Jul-16	\$329,800	\$292,760	-1%	
15 Neal Hawkins	Gastonia	NC	5	225	609 Neal Hawkins	Mar-17	\$270,000			Light
					1418 N Modena	Apr-18	\$225,000	\$242,520	10%	
16 Summit	Moyock	NC	80	1,060	129 Pinto	Apr-16	\$170,000			Light
					102 Timber	Apr-16	\$175,500	\$175,101	-3%	
17 Summit	Moyock	NC	80	980	105 Pinto	Dec-16	\$206,000			Light
	3				127 Ranchland	Jun-15	\$219,900		4%	Ü
18 Tracy	Bailey	NC	5	780	9162 Winters	Jan-17	\$255,000			Heavy
10 Tracy	Barrey	110	O	700	7352 Red Fox	Jun-16	\$176,000		1%	neavy
19 Manatee	Parrish	FL	75	1180	13670 Highland	Aug-18	\$255,000		1 /0	Цооти
19 Manatee	railisii	ГL	73	1100	_	_			00/	Heavy
00 M-D 11 B	. N.E. 31 1	NO		075	13851 Highland	Sep-18	\$240,000		0%	Mr. 40.
20 McBride Place	wiaiand	NC	75	275	4380 Joyner	Nov-17	\$325,000		201	Medium
					3870 Elkwood	Aug-16	\$250,000		2%	
21 McBride Place	Midland	NC	75	505	5811 Kristi	Mar-20	\$530,000			Medium
					3915 Tania	Dec-19	\$495,000	\$504,657	5%	
22 Mariposa	Stanley	NC	5	1155	215 Mariposa	Dec-17	\$249,000			Light
					110 Airport	May-16	\$166,000		4%	
23 Mariposa	Stanley	NC	5	570	242 Mariposa	Sep-15	\$180,000			Light
					110 Airport	Apr-16	\$166,000	\$175,043	3%	
24 Clarke Cnty	White Post	VA	20	1230	833 Nations Spr	Jan-17	\$295,000			Light
					6801 Middle	Dec-17	\$249,999	\$296,157	0%	
25 Candace	Princeton	NC	5	488	499 Herring	Sep-17	\$215,000			Medium
					1795 Bay Valley	Dec-17	\$194,000		0%	
26 Walker	Barhamsville	VA	20	250	5241 Barham	Oct-18	\$264,000			Light
				_00	9252 Ordinary	Jun-19	\$277,000		7%	.0
27 AM Best	Goldsboro	NC	5	385	103 Granville Pl	Jul-19	\$265,000		1 /0	Light
41 AM DCSt	COTOSTOLO	110	J	363	2219 Granville		\$260,000		0%	Light
00 AM D+	Caldah	NC	_	215		Jan-18			U%	Links
28 AM Best	Goldsboro	NC	5	315	104 Erin	Jun-17	\$280,000		201	Light
					2219 Granville	Jan-18	\$265,000		2%	
29 AM Best	Goldsboro	NC	5	400	2312 Granville	May-18	\$284,900			Light
					2219 Granville	Jan-18	\$265,000	\$273,948	4%	

Residential Dwelling Matched Pairs Adjoining Solar Farms

Residential Dwelli	ng Matched F	airs Adjo	ining So	lar Farms Approx				Adj. Sale		Veg.
Pair Solar Farm	City	State	мw		Tax ID/Address	Date	Sale Price	•	% Diff	veg. Buffer
30 AM Best	Goldsboro	NC	5	400	2310 Granville	May-19	\$280,000		/0 _	Light
					634 Friendly	Jul-19	\$267,000	\$265,291	5%	
31 Summit	Moyock	NC	80	570	318 Green View	Sep-19	\$357,000			Light
					336 Green View	Jan-19	\$365,000	\$340,286	5%	
32 Summit	Moyock	NC	80	440	164 Ranchland	Apr-19	\$169,000			Light
					105 Longhorn	Oct-17	\$184,500	\$186,616	-10%	
33 Summit	Moyock	NC	80	635	358 Oxford	Sep-19	\$478,000			Light
					176 Providence	Sep-19	\$425,000	\$456,623	4%	
34 Summit	Moyock	NC	80	970	343 Oxford	Mar-17	\$490,000			Light
					218 Oxford	Apr-17	\$525,000	\$484,064	1%	
35 Innov 46	Hope Mills	NC	78.5	435	6849 Roslin Farm	Feb-19	\$155,000			Light
					109 Bledsoe	Jan-19	\$150,000	\$147,558	5%	
36 Innov 42	Fayetteville	NC	71	340	2923 County Line	Feb-19	\$385,000			Light
					2109 John McMillan	Apr-18	\$320,000	\$379,156	2%	
37 Innov 42	Fayetteville	NC	71	330	2935 County Line	Jun-19	\$266,000			Light
					7031 Glynn Mill	May-18	\$255,000	\$264,422	1%	
38 Sunfish	Willow Sprng	NC	6.4	205	7513 Glen Willow	Sep-17	\$185,000			Light
					205 Pine Burr	Dec-17	\$191,000	\$172,487	7%	
39 Neal Hawkins	Gastonia	NC	5	145	611 Neal Hawkins	Jun-17	\$288,000			Light
					1211 Still Forrest	Jul-18	\$280,000	\$274,319	5%	
40 Clarke Cnty	White Post	VA	20	1230	833 Nations Spr	Aug-19	\$385,000			Light
					2393 Old Chapel	Aug-20	\$330,000	\$389,286	-1%	
41 Sappony	Stony Creek	VA	20	1425	12511 Palestine	Jul-18	\$128,400			Medium
					6494 Rocky Branch	Nov-18	\$100,000	\$131,842	-3%	
42 Camden Dam	Camden	NC	5	342	122 N Mill Dam	Nov-18	\$350,000			Light
					548 Trotman	May-18	\$309,000	\$352,450	-1%	
43 Grandy	Grandy	NC	20	405	120 Par Four	Aug-19	\$315,000			Light
					116 Barefoot	Sep-20	\$290,000	\$299,584	5%	
44 Grandy	Grandy	NC	20	477	269 Grandy	May-19	\$275,000			Light
					103 Spring Leaf	Aug-18	\$270,000	\$275,912	0%	
45 Champion	Pelion	SC	10	505	517 Old Charleston	Aug-20	\$110,000			Light
					1429 Laurel	Feb-19	\$126,000	\$107,856	2%	
46 Barefoot Bay	Bare foot Bay	FL	74.5	765	465 Papaya	Jul-19	\$155,000			Medium
					1132 Waterway	Jul-20	\$129,000	\$141,618	9%	
47 Barefoot Bay	Bare foot Bay	FL	74.5	750	455 Papaya	Sep-20	\$183,500			Medium
					904 Fir	Sep-20	\$192,500	\$186,697	-2%	
48 Barefoot Bay	Bare foot Bay	FL	74.5	690	419 Papaya	Jul-19	\$127,500			Medium
					865 Tamarind	Feb-19	\$133,900	\$124,613	2%	
49 Barefoot Bay	Barefoot Bay	FL	74.5	690	413 Papaya	Jul-20	\$130,000			Medium
					1367 Barefoot	Jan-21	\$130,500	\$139,507	-7%	
50 Barefoot Bay	Bare foot Bay	FL	74.5	690	343 Papaya	Dec-19	\$145,000			Light
					865 Tamarind	Feb-19	\$133,900	\$142,403	2%	
51 Barefoot Bay	Bare foot Bay	FL	74.5	710	335 Papaya	Apr-18	\$110,000			Light
					865 Tamarind	Feb-19	\$133,900	\$110,517	0%	
52 Miami-Dade	Miami	FL	74.5	1390	13600 SW 182nd	Nov-20	\$1,684,000			Light
	_				17950 SW 158th	Oct-20		\$1,713,199	-2%	
53 Spotsylvania	Paytes	VA	617	1270	12901 Orange Plnk	Aug-20	\$319,900			Medium
					12717 Flintlock	Dec-20	\$290,000	\$326,767	-2%	
54 Spotsylvania	Paytes	VA	617	1950	9641 Nottoway	May-20	\$449,900			Medium
					11626 Forest	Aug-20	\$489,900	\$430,246	4%	
55 Spotsylvania	Paytes	VA	617	1171	13353 Post Oak	Sep-20	\$300,000	400		Heavy
					12810 Catharpin	Jan-20	\$280,000	\$299,008	0%	
56 McBride Place	Midland	NC	75	470	5833 Kristi	Sep-20	\$625,000	dE04.000		Light
					4055 Dakeita	Dec-20	\$600,000	\$594,303	5%	

	Avg.		Inc
$\mathbf{M}\mathbf{W}$	Distance		Im
64.91	612	Average	1%
20.00	479	Median	19
617.00	1,950	High	109
5.00	145	Low	-10

I have further broken down these results based on the MWs, Landscaping, and distance from panel to show the following range of findings for these different categories.

Most of the findings are for homes between 201 and 500 feet. Most of the findings are for Light landscaping screens.

Light landscaping screens are showing no impact on value at any distances, including for solar farms over 75.1 MW.

MW Range 4.4 to 10									
Landscaping	Light	Light	Light	Medium	Medium	Medium	Heavy	Heavy	Heavy
Distance	100-200	201-500	500+	100-200	201-500	500+	100-200	201-500	500+
#	1	19	2	0	1	2	0	0	1
Average	5%	2%	3%	N/A	0%	4%	N/A	N/A	1%
Median	5%	1%	3%	N/A	0%	4%	N/A	N/A	1%
High	5%	10%	4%	N/A	0%	4%	N/A	N/A	1%
Low	5%	-5%	3%	N/A	0%	4%	N/A	N/A	1%
10.1 to 30									
Landscaping	Light	Light	Light	Medium	Medium	Medium	Heavy	Heavy	Heavy
Distance	100-200	201-500	500+	100-200	201-500	500+	100-200	201-500	500+
#	0	3	2	0	0	1	0	0	0
Average	N/A	4%	-1%	N/A	N/A	-3%	N/A	N/A	N/A
Median	N/A	5%	-1%	N/A	N/A	-3%	N/A	N/A	N/A
High	N/A	7%	0%	N/A	N/A	-3%	N/A	N/A	N/A
Low	N/A	0%	-1%	N/A	N/A	-3%	N/A	N/A	N/A
30.1 to 75									
Landscaping	Light	Light	Light	Medium	Medium	Medium	Heavy	Heavy	Heavy
Distance	100-200	201-500	500+	100-200	201-500	500+	100-200	201-500	500+
#	0	2	3	0	0	4	0	0	0
Average	N/A	1%	0%	N/A	N/A	0%	N/A	N/A	N/A
Median	N/A	1%	0%	N/A	N/A	0%	N/A	N/A	N/A
High	N/A	2%	2%	N/A	N/A	9%	N/A	N/A	N/A
Low	N/A	1%	-2%	N/A	N/A	-7%	N/A	N/A	N/A
75.1+									
Landscaping	Light	Light	Light	Medium	Medium	Medium	Heavy	Heavy	Heavy
Distance	100-200	201-500	500+	100-200	201-500	500+	100-200	201-500	500+
#	0	2	5	0	0	2	0	0	1
Average	N/A	-3%	2%	N/A	N/A	1%	N/A	N/A	0%
Median	N/A	-3%	4%	N/A	N/A	1%	N/A	N/A	0%
High	N/A	5%	5%	N/A	N/A	4%	N/A	N/A	0%
Low	N/A	-10%	-3%	N/A	N/A	-2%	N/A	N/A	0%

C. Summary of National Data on Solar Farms

I have worked in 19 states related to solar farms and I have been tracking matched pairs in most of those states. On the following pages I provide a brief summary of those findings showing 37 solar farms over 5 MW studied with each one providing matched pair data supporting the findings of this report.

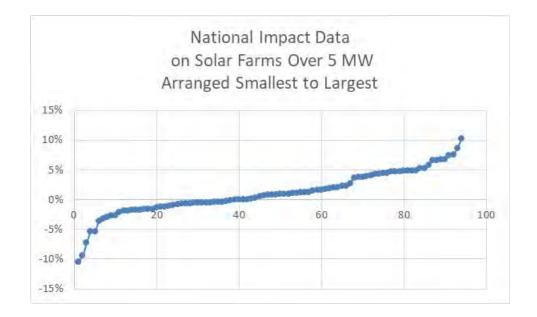
The solar farms summary is shown below with a summary of the matched pair data shown on the following page.

Mat	ched Pair Sum	ımary					Adj. Us	es By	Acreage		1 mile F	Radius (20	10-2020 Data)	
						Торо						Med.	Avg. Housing	
	Name	City	State	Acres	$\mathbf{M}\mathbf{W}$	Shift	Res	Ag	Ag/Res	Com/Ind	Popl.	Income	Unit	Veg. Buffer
1	AM Best	Goldsboro	NC	38	5.00	2	38%	0%	23%	39%	1,523	\$37,358	\$148,375	Light
2	Mulberry	Selmer	TN	160	5.00	60	13%	73%	10%	3%	467	\$40,936	\$171,746	Lt to Med
3	Leonard	Hughesville	MD	47	5.00	20	18%	75%	0%	6%		\$106,550	\$350,000	Light
4	Gastonia SC	Gastonia	NC	35	5.00	48	33%	0%	23%	44%	4,689	\$35,057	\$126,562	Light
5	Summit	Moyock	NC	2,034	80.00	4	4%	0%	94%	2%	382	\$79,114	\$281,731	Light
7	Tracy	Bailey	NC	50	5.00	10	29%	0%	71%	0%	312	\$43,940	\$99,219	Heavy
8	Manatee	Parrish	FL	1,180	75.00	20	2%	97%	1%	0%	48	\$75,000	\$291,667	Heavy
9	McBride	Midland	NC	627	75.00	140	12%	10%	78%	0%	398	\$63,678	\$256,306	Lt to Med
10	Grand Ridge	Streator	IL	160	20.00	1	8%	87%	5%	0%	96	\$70,158	\$187,037	Light
11	Dominion	Indianapolis	IN	134	8.60	20	3%	97%	0%	0%	3,774	\$61,115	\$167,515	Light
12	Mariposa	Stanley	NC	36	5.00	96	48%	0%	52%	0%	1,716	\$36,439	\$137,884	Light
13	Clarke Cnty	White Post	VA	234	20.00	70	14%	39%	46%	1%	578	\$81,022	\$374,453	Light
14	Flemington	Flemington	NJ	120	9.36	N/A	13%	50%	28%	8%	3,477	\$105,714	\$444,696	Lt to Med
15	Frenchtown	Frenchtown	NJ	139	7.90	N/A	37%	35%	29%	0%	457	\$111,562	\$515,399	Light
16	McGraw	East Windsor	NJ	95	14.00	N/A	27%	44%	0%	29%	7,684	\$78,417	\$362,428	Light
17	Tinton Falls	Tinton Falls	NJ	100	16.00	N/A	98%	0%	0%	2%	4,667	\$92,346	\$343,492	Light
18	Simon	Social Circle	GA	237	30.00	71	1%	63%	36%	0%	203	\$76,155	\$269,922	Medium
19	Candace	Princeton	NC	54	5.00	22	76%	24%	0%	0%	448	\$51,002	\$107,171	Medium
20	Walker	Barhamsville	VA	485	20.00	N/A	12%	68%	20%	0%	203	\$80,773	\$320,076	Light
21	Innov 46	Hope Mills	NC	532	78.50	0	17%	83%	0%	0%	2,247	\$58,688	\$183,435	Light
22	Innov 42	Fayetteville	NC	414	71.00	0	41%	59%	0%	0%	568	\$60,037	\$276,347	Light
23	Demille	Lapeer	MI	160	28.40	10	10%	68%	0%	22%	2,010	\$47,208	\$187,214	Light
24	Turrill	Lapeer	MI	230	19.60	10	75%	59%	0%	25%	2,390	\$46,839	\$110,361	Light
25	Sunfish	Willow Spring	NC	50	6.40	30	35%	35%	30%	0%	1,515	\$63,652	\$253,138	Light
26	Picture Rocks	Tucson	AZ	182	20.00	N/A	6%	88%	6%	0%	102	\$81,081	\$280,172	None
27	Avra Valley	Tucson	AZ	246	25.00	N/A	3%	94%	3%	0%	85	\$80,997	\$292,308	None
28	Sappony	Stony Crk	VA	322	20.00	N/A	2%	98%	0%	0%	74	\$51,410	\$155,208	Medium
29	Camden Dam	Camden	NC	50	5.00	0	17%	72%	11%	0%	403	\$84,426	\$230,288	Light
30	Grandy	Grandy	NC	121	20.00	10	55%	24%	0%	21%	949	\$50,355	\$231,408	Light
31	Champion	Pelion	SC	100	10.00	N/A	4%	70%	8%	18%	1,336	\$46,867	\$171,939	Light
32	Eddy II	Eddy	TX	93	10.00	N/A	15%	25%	58%	2%	551	\$59,627	\$139,088	Light
33	Somerset	Somerset	TX	128	10.60	N/A	5%	95%	0%	0%	1,293	\$41,574	\$135,490	Light
34	DG Amp Piqua	Piqua	OH	86	12.60	2	26%	16%	58%	0%	6,735	\$38,919	\$96,555	Light
45	Barefoot Bay		FL	504	74.50	0	11%	87%	0%	3%	2,446	\$36,737	\$143,320	Lt to Med
36	Miami-Dade	Miami	FL	347	74.50	0	26%	74%	0%	0%	127	\$90,909	\$403,571	Light
37	Spotyslvania	Paytes	VA	3,500	617.00	160	37%	52%	11%	0%	74	\$120,861	\$483,333	Med to Hvy
	Average			362	42.05	32	24%	52%	19%	6%	1,515	\$66,292	\$242,468	
	Median			150	17.80	10	16%	59%	7%	0%	560	\$62,384	\$230,848	
	High			3,500	617.00	160	98%	98%	94%	44%	7,684	\$120,861	\$515,399	
	Low			35	5.00	0	1%	0%	0%	0%	48	\$35,057	\$96,555	

From these 37 solar farms, I have derived 94 matched pairs. The matched pairs show no negative impact at distances as close as 105 feet between a solar panel and the nearest point on a home. The range of impacts is -10% to +10% with an average and median of +1%.

		Avg.		Indicated
	$\mathbf{M}\mathbf{W}$	Distance		Impact
Average	44.80	569	Average	1%
Median	14.00	400	Median	1%
High	617.00	1,950	High	10%
Low	5.00	145	Low	-10%

While the range is broad, the two charts below show the data points in range from lowest to highest. There is only 3 data points out of 94 that show a negative impact. The rest support either a finding of no impact or 9 of the data points suggest a positive impact due to adjacency to a solar farm. As discussed earlier in this report, I consider this data to strongly support a finding of no impact on value as most of the findings are within typical market variation and even within that, most are mildly positive findings.



D. Larger Solar Farms

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 617 MW facility.

Mat	ched Pair Sun	nmary - @20 M	W And	Larger			Adj. Us	es By A	creage		1 mile	Radius (2	010-2019 Data)	
						Торо						Med.	Avg. Housing	Veg.
	Name	City	State	Acres	$\mathbf{M}\mathbf{W}$	Shift	Res	Ag	Ag/Res	Com/Ind	Popl.	Income	Unit	Buffer
1	Summit	Moyock	NC	2,034	80.00	4	4%	0%	94%	2%	382	\$79,114	\$281,731	Light
2	Manatee	Parrish	FL	1,180	75.00	20	2%	97%	1%	0%	48	\$75,000	\$291,667	Heavy
3	McBride	Midland	NC	627	75.00	140	12%	10%	78%	0%	398	\$63,678	\$256,306	Lt to Med
4	Grand Ridge	Streator	IL	160	20.00	1	8%	87%	5%	0%	96	\$70,158	\$187,037	Light
5	Clarke Cnty	White Post	VA	234	20.00	70	14%	39%	46%	1%	578	\$81,022	\$374,453	Light
6	Simon	Social Circle	GA	237	30.00	71	1%	63%	36%	0%	203	\$76,155	\$269,922	Medium
7	Walker	Barhamsville	VA	485	20.00	N/A	12%	68%	20%	0%	203	\$80,773	\$320,076	Light
8	Innov 46	Hope Mills	NC	532	78.50	0	17%	83%	0%	0%	2,247	\$58,688	\$183,435	Light
9	Innov 42	Fayetteville	NC	414	71.00	0	41%	59%	0%	0%	568	\$60,037	\$276,347	Light
10	Demille	Lapeer	MI	160	28.40	10	10%	68%	0%	22%	2,010	\$47,208	\$187,214	Light
11	Turrill	Lapeer	MI	230	19.60	10	75%	59%	0%	25%	2,390	\$46,839	\$110,361	Light
12	Picure Rocks	Tucson	AZ	182	20.00	N/A	6%	88%	6%	0%	102	\$81,081	\$280,172	Light
13	Avra Valley	Tucson	AZ	246	25.00	N/A	3%	94%	3%	0%	85	\$80,997	\$292,308	None
14	Sappony	Stony Crk	VA	322	20.00	N/A	2%	98%	0%	0%	74	\$51,410	\$155,208	None
15	Grandy	Grandy	NC	121	20.00	10	55%	24%	0%	21%	949	\$50,355	\$231,408	Medium
16	Barefoot Bay	Barefoot Bay	FL	504	74.50	0	11%	87%	0%	3%	2,446	\$36,737	\$143,320	Lt to Med
17	Miami-Dade	Miami	FL	347	74.50	0	26%	74%	0%	0%	127	\$90,909	\$403,571	Light
18	Spotyslvania	Paytes	VA	3,500	617.00	160	37%	52%	11%	0%	74	\$120,861	\$483,333	Med to Hvy
	Average			640	76.03		19%	64%	17%	4%	721	\$69,501	\$262,659	
	Median			335	29.20		12%	68%	2%	0%	293	\$72,579	\$273,135	
	High			3,500	617.00		75%	98%	94%	25%	2,446	\$120,861	\$483,333	
	Low			121	19.60		1%	0%	0%	0%	48	\$36,737	\$110,361	

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.

Mat	Matched Pair Summary - @50 MW And Larger					Adj. Uses By Acreage 1 mile Radius (2010-2019 Data						010-2019 Data)		
						Торо						Med.	Avg. Housing	Veg.
	Name	City	State	Acres	$\mathbf{M}\mathbf{W}$	Shift	Res	Ag	Ag/Res	Com/Ind	Popl.	Income	Unit	Buffer
1	Summit	Moyock	NC	2,034	80.00	4	4%	0%	94%	2%	382	\$79,114	\$281,731	Light
2	Manatee	Parrish	FL	1,180	75.00	20	2%	97%	1%	0%	48	\$75,000	\$291,667	Heavy
3	McBride	Midland	NC	627	75.00	140	12%	10%	78%	0%	398	\$63,678	\$256,306	Lt to Med
4	Innov 46	Hope Mills	NC	532	78.50	0	17%	83%	0%	0%	2,247	\$58,688	\$183,435	Light
5	Innov 42	Fayetteville	NC	414	71.00	0	41%	59%	0%	0%	568	\$60,037	\$276,347	Light
6	Barefoot Bay	Barefoot Bay	FL	504	74.50	0	11%	87%	0%	3%	2,446	\$36,737	\$143,320	Lt to Med
7	Miami-Dade	Miami	FL	347	74.50	0	26%	74%	0%	0%	127	\$90,909	\$403,571	Light
8	Spotyslvania	Paytes	VA	3,500	617.00	160	37%	52%	11%	0%	74	\$120,861	\$483,333	Med to Hvy
	Average			1,142	143.19		19%	58%	23%	1%	786	\$73,128	\$289,964	
	Median			580	75.00		15%	67%	0%	0%	390	\$69,339	\$279,039	
	High			3,500	617.00		41%	97%	94%	3%	2,446	\$120,861	\$483,333	
	Low			347	71.00		2%	0%	0%	0%	48	\$36,737	\$143,320	

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 \pm -5% range as can be seen earlier in this report.

On the following page I show 81 projects ranging in size from 50 MW up to 1,000 MW with an average size of 111.80 MW and a median of 80 MW. The average closest distance for an adjoining home is 263 feet, while the median distance is 188 feet. The closest distance is 57 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.

			Output	Total	Used	Avg. Dist	Closest	Adjoi	ning Us	e by Acı	re
Parcel # State	City	Name	(MW)	Acres	Acres	to home	Home	Res	Agri	Ag/R	Com
78 NC	Moyock	Summit/Ranchland	80	2034		674	360	4%	94%	0%	2%
133 MS	Hattiesburg	Hattiesburg	50	1129	479.6	650	315	35%	65%	0%	0%
179 SC	Ridgeland	Jasper	140	1600	1000	461	108	2%	85%	13%	0%
211 NC	Enfield	Chestnut	75	1428.1		1,429	210	4%	96%	0%	0%
222 VA	Chase City	Grasshopper	80	946.25				6%	87%	5%	1%
226 VA	Louisa	Belcher	88	1238.1			150	19%	53%	28%	0%
305 FL	Dade City	Mountain View	55	347.12		510	175	32%	39%	21%	8%
319 FL	Jasper	Hamilton	74.9	1268.9	537		240	5%	67%	28%	0%
336 FL	Parrish	Manatee	74.5	1180.4		1,079	625	2%	50%	1%	47%
337 FL	Arcadia	Citrus	74.5	640		-,		0%	0%	100%	0%
338 FL	Port Charlotte	Babcock	74.5	422.61				0%	0%	100%	0%
353 VA	Oak Hall	Amazon East(ern sh	80	1000		645	135	8%	75%	17%	0%
364 VA	Stevensburg	Greenwood	100	2266.6	1800		200	8%	62%	29%	0%
368 NC	Warsaw	Warsaw	87.5	585.97	499		130	11%	66%	21%	3%
390 NC	Ellerbe	Innovative Solar 34	50	385.24	226		N/A	1%	99%	0%	0%
399 NC	Midland	McBride	74.9	974.59	627		140	12%	78%	9%	0%
400 FL		Alafia	74.9 51	420.35	027	490		7%	90%	9% 3%	0%
	Mulberry		91				105				
406 VA	Clover	Foxhound		1311.8		885	185	5%	61%	17%	18%
410 FL	Trenton	Trenton	74.5	480	060.71	2,193	775	0%	26%	55%	19%
411 NC	Battleboro	Fern	100		960.71	1,494	220	5%	76%	19%	0%
412 MD	Goldsboro	Cherrywood	202	1722.9			200	10%	76%	13%	0%
434 NC	Conetoe	Conetoe	80	1389.9	910.6	,	120	5%	78%	17%	0%
440 FL	Debary	Debary	74.5	844.63		654	190	3%	27%	0%	70%
441 FL	Hawthorne	Horizon	74.5	684				3%	81%	16%	0%
484 VA	Newsoms	Southampton	100	3243.9		-	-	3%	78%	17%	3%
486 VA	Stuarts Draft	Augusta	125	3197.4	1147		165	16%	61%	16%	7%
491 NC	Misenheimer	Misenheimer 2018	80	740.2	687.2		130	11%	40%	22%	27%
494 VA	Shacklefords	Walnut	110	1700	1173		165	14%	72%	13%	1%
496 VA	Clover	Piney Creek	80	776.18	422		195	15%	62%	24%	0%
511 NC	Scotland Neck	American Beech	160	3255.2	1807.8	1,262	205	2%	58%	38%	3%
514 NC	Reidsville	Williamsburg	80	802.6	507	734	200	25%	12%	63%	0%
517 VA	Luray	Cape	100	566.53	461	519	110	42%	12%	46%	0%
518 VA	Emporia	Fountain Creek	80	798.3	595	862	300	6%	23%	71%	0%
525 NC	Plymouth	Macadamia	484	5578.7	4813.5	1,513	275	1%	90%	9%	0%
526 NC	Mooresboro	Broad River	50	759.8	365	419	70	29%	55%	16%	0%
555 FL	Mulberry	Durrance	74.5	463.57	324.65	438	140	3%	97%	0%	0%
560 NC	Yadkinville	Sugar	60	477	357	382	65	19%	39%	20%	22%
561 NC	Enfield	Halifax 80mw 2019	80	1007.6	1007.6	672	190	8%	73%	19%	0%
577 VA	Windsor	Windsor	85	564.1	564.1	572	160	9%	67%	24%	0%
579 VA	Paytes	Spotsylvania	500	6412	3500			9%	52%	11%	27%
582 NC	Salisbury	China Grove	65	428.66	324.26	438	85	58%	4%	38%	0%
583 NC	Walnut Cove	Lick Creek	50	1424	185.11	410	65	20%	64%	11%	5%
584 NC	Enfield	Sweetleaf	94	1956.3	1250	968	160	5%	63%	32%	0%
586 VA	Aylett	Sweet Sue	77	1262	576		680	7%	68%	25%	0%
593 NC	Windsor	Sumac	120	3360.6	1257.9		160	4%	90%	6%	0%
599 TN	Somerville	Yum Yum	147	4000	1500		330	3%	32%	64%	1%
602 GA	Waynesboro	White Oak	76.5	516.7			1,790	1%	34%	65%	0%
603 GA	Butler	Butler GA	103		2395.1		255	2%	73%	23%	2%
604 GA	Butler	White Pine	101.2		505.94		100	1%	51%	48%	1%
605 GA	Metter	Live Oak	51		417.84		235	4%	72%	23%	0%
606 GA	Hazelhurst	Hazelhurst II	52.5		490.42		105	9%	64%	27%	0%
607 GA	Bainbridge	Decatur Parkway	80	781.5			450	2%	27%	22%	49%
608 GA	Leslie-DeSoto	Americus	1000	9661.2			510	1%	63%	36%	0%
616 FL	Fort White	Fort White	74.5	570.5	457.2		220	12%	71%	17%	0%
621 VA	Spring Grove	Loblolly	150	2181.9	1000		110	7%	62%	31%	0%
		-									
622 VA	Scottsville	Woodridge	138	2260.9	1000		170	9%	63%	28%	0%
625 NC	Middlesex	Phobos	80	754.52			57	14%	75%	10%	0%
628 MI	Deerfield	Carroll Road	200		1694.8		190	12%	86%	0%	2%
633 VA	Emporia	Brunswick	150.2		1387.3		240	4%	85%	11%	0%
634 NC	Elkin	Partin	50	429.4	257.64	945	155	30%	25%	15%	30%

			Output	Total	Used	Avg. Dist	Closest	Adjoir	ning Us	e by Acre	е
Parcel # State	City	Name	(MW)	Acres	Acres	to home	Home	Res	Agri	Ag/R	Com
638 GA	Dry Branch	Twiggs	200	2132.7	2132.7	-	-	10%	55%	35%	0%
639 NC	Hope Mills	Innovative Solar 46	78.5	531.87	531.87	423	125	17%	83%	0%	0%
640 NC	Hope Mills	Innovative Solar 42	71	413.99	413.99	375	135	41%	59%	0%	0%
645 NC	Stanley	Hornet	75	1499.5	858.4	663	110	30%	40%	23%	6%
650 NC	Grifton	Grifton 2	56	681.59	297.6	363	235	1%	99%	0%	0%
651 NC	Grifton	Buckleberry	52.1	367.67	361.67	913	180	5%	54%	41%	0%
657 KY	Greensburg	Horseshoe Bend	60	585.65	395	1,394	63	3%	36%	61%	0%
658 KY	Campbellsville	Flat Run	55	429.76	429.76	408	115	13%	52%	35%	0%
666 FL	Archer	Archer	74.9	636.94	636.94	638	200	43%	57%	0%	0%
667 FL	New Smyrna Be	a Pioneer Trail	74.5	1202.8	900	1,162	225	14%	61%	21%	4%
668 FL	Lake City	Sunshine Gateway	74.5	904.29	472	1,233	890	11%	80%	8%	0%
669 FL	Florahome	Coral Farms	74.5	666.54	580	1,614	765	19%	75%	7%	0%
672 VA	Appomattox	Spout Spring	60	881.12	673.37	836	335	16%	30%	46%	8%
676 TX	Stamford	Alamo 7	106.4	1663.1	1050	-	-	6%	83%	0%	11%
677 TX	Fort Stockton	RE Roserock	160	1738.2	1500	-	-	0%	100%	0%	0%
678 TX	Lamesa	Lamesa	102	914.5	655	921	170	4%	41%	11%	44%
679 TX	Lamesa	Ivory	50	706	570	716	460	0%	87%	2%	12%
680 TX	Uvalde	Alamo 5	95	830.35	800	925	740	1%	93%	6%	0%
684 NC	Waco	Brookcliff	50	671.03	671.03	560	150	7%	21%	15%	57%
689 AZ	Arlington	Mesquite	320.8	3774.5	2617	1,670	525	8%	92%	0%	0%
692 AZ	Tucson	Avalon	51	479.21	352	-	-	0%	100%	0%	0%
			81								
		Average	111.80	1422.4							6%
		Median	80.00	914.5	646.0						0%
		High	1000.00								70%
		Low	50.00	347.1	185.1	343	57	0%	0%	0%	0%

VIII. 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 Virginia, 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.

IX. 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.

X. Potential Impacts During Construction

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.

XI. Scope of Research

I have researched over 750 solar farms and sites on which solar farms are existing and proposed in Virginia, Illinois, Tennessee, North Carolina, Kentucky 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.

							Closest	All Res All Co	
	Res	Ag	Res/AG	Comm	Ind	Avg Home	Home	Uses	Use
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 provide a more complete picture of the neighboring properties.

nber of Parc	els Adjo	oining						
Res	Aσ	Res/AG	Comm	Ind			All Res A	11 Comm Uses
1100	6	1100,110			1118 1101110	1101110	0000	
61%	24%	9%	2%	4%	887	344	93%	6%
65%	19%	5%	0%	0%	708	218	100%	0%
100%	100%	100%	60%	78%	5,210	4,670	105%	78%
0%	0%	0%	0%	0%	90	25	0%	0%
	Res 61% 65% 100%	Res Ag 61% 24% 65% 19% 100% 100%	61% 24% 9% 65% 19% 5% 100% 100% 100%	Res Ag Res/AG Comm 61% 24% 9% 2% 65% 19% 5% 0% 100% 100% 100% 60%	Res Ag Res/AG Comm Ind 61% 24% 9% 2% 4% 65% 19% 5% 0% 0% 100% 100% 100% 60% 78%	Res Ag Res/AG Comm Ind Avg Home 61% 24% 9% 2% 4% 887 65% 19% 5% 0% 0% 708 100% 100% 100% 60% 78% 5,210	Res Ag Res/AG Closest 61% 24% 9% 2% 4% 887 344 65% 19% 5% 0% 0% 708 218 100% 100% 100% 60% 78% 5,210 4,670	Res Ag Res/AG Closest Loses All Res Aug 61% 24% 9% 2% 4% 887 344 93% 65% 19% 5% 0% 0% 708 218 100% 100% 100% 100% 60% 78% 5,210 4,670 105%

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.

XII. 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 even 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 reportedly has a hum similar to an HVAC that can only be heard in close proximity to this transformer and the buffers on the property are sufficient to make emitted sounds inaudible from the adjoining properties. No sound is emitted from the facility 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.

XIII. Conclusion

The matched pair analysis shows 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. 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.

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 Virginia.

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.

XIV. 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 provided an earlier analysis on this project with a slightly different layout on November 11, 2019. I have not completed any other appraisal related assignments regarding this project within the three years prior to engagement in this current 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.

Richard C. Kirkland, Jr., MAI State Certified General Appraiser

In Child fr



Richard C. Kirkland, Jr., MAI 9408 Northfield Court Raleigh, North Carolina 27603 Mobile (919) 414-8142 rkirkland2@gmail.com www.kirklandappraisals.com

Professional Experience	
Kirkland Appraisals, LLC, Raleigh, N.C.	2003 – Presen
Commercial appraiser	
Hester & Company, Raleigh, N.C.	
Commercial appraiser	1996 – 2003
Professional Affiliations	
MAI (Member, Appraisal Institute) designation #11796	2001
NC State Certified General Appraiser # A4359	1999
VA State Certified General Appraiser # 4001017291	
SC State Certified General Appraiser # 6209	
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	
Education	
Bachelor of Arts in English, University of North Carolina, Chapel Hill	1993
Continuing Education	
Uniform Standards of Professional Appraisal Practice Update	2022
Sexual Harassment Prevention Training	2021
	2021
	2021
Appraisal of Land Subject to Ground Leases Florida Appraisal Laws and Regulations	
Appraisal of Land Subject to Ground Leases Florida Appraisal Laws and Regulations Michigan Appraisal Law	2021 2020 2020
Appraisal of Land Subject to Ground Leases Florida Appraisal Laws and Regulations Michigan Appraisal Law Jniform Standards of Professional Appraisal Practice Update	2021 2020 2020 2020
Appraisal of Land Subject to Ground Leases Florida Appraisal Laws and Regulations Michigan Appraisal Law Jniform Standards of Professional Appraisal Practice Update Jniform Appraisal Standards for Federal Land Acquisitions (Yellow Book)	2021 2020 2020 2020 2019
Appraisal of Land Subject to Ground Leases Florida Appraisal Laws and Regulations Michigan Appraisal Law Jniform Standards of Professional Appraisal Practice Update Jniform Appraisal Standards for Federal Land Acquisitions (Yellow Book) The Cost Approach	2021 2020 2020 2020 2019 2019
Appraisal of Land Subject to Ground Leases Florida Appraisal Laws and Regulations Michigan Appraisal Law Uniform Standards of Professional Appraisal Practice Update Uniform Appraisal Standards for Federal Land Acquisitions (Yellow Book) The Cost Approach Income Approach Case Studies for Commercial Appraisers	2021 2020 2020 2020 2019 2019 2018
Appraisal of Land Subject to Ground Leases Florida Appraisal Laws and Regulations Michigan Appraisal Law Jniform Standards of Professional Appraisal Practice Update Jniform Appraisal Standards for Federal Land Acquisitions (Yellow Book) The Cost Approach Income Approach Case Studies for Commercial Appraisers Introduction to Expert Witness Testimony for Appraisers	2021 2020 2020 2020 2019 2019 2018 2018
Appraisal of Land Subject to Ground Leases Florida Appraisal Laws and Regulations Michigan Appraisal Law Uniform Standards of Professional Appraisal Practice Update Uniform Appraisal Standards for Federal Land Acquisitions (Yellow Book) The Cost Approach Income Approach Case Studies for Commercial Appraisers Introduction to Expert Witness Testimony for Appraisers Appraising Small Apartment Properties	2021 2020 2020 2020 2019 2019 2018 2018 2018
Appraisal of Land Subject to Ground Leases Florida Appraisal Laws and Regulations Michigan Appraisal Law Uniform Standards of Professional Appraisal Practice Update Uniform Appraisal Standards for Federal Land Acquisitions (Yellow Book) The Cost Approach Income Approach Case Studies for Commercial Appraisers Introduction to Expert Witness Testimony for Appraisers Appraising Small Apartment Properties Florida Appraisal Laws and Regulations	2021 2020 2020 2020 2019 2019 2018 2018 2018 2018
Appraisal of Land Subject to Ground Leases Florida Appraisal Laws and Regulations Michigan Appraisal Law Uniform Standards of Professional Appraisal Practice Update Uniform Appraisal Standards for Federal Land Acquisitions (Yellow Book) The Cost Approach Income Approach Case Studies for Commercial Appraisers Introduction to Expert Witness Testimony for Appraisers Appraising Small Apartment Properties Florida Appraisal Laws and Regulations Uniform Standards of Professional Appraisal Practice Update	2021 2020 2020 2020 2019 2019 2018 2018 2018 2018 2018
Appraisal of Land Subject to Ground Leases Florida Appraisal Laws and Regulations Michigan Appraisal Law Uniform Standards of Professional Appraisal Practice Update Uniform Appraisal Standards for Federal Land Acquisitions (Yellow Book) The Cost Approach Income Approach Case Studies for Commercial Appraisers Introduction to Expert Witness Testimony for Appraisers Appraising Small Apartment Properties Florida Appraisal Laws and Regulations Uniform Standards of Professional Appraisal Practice Update Appraisal of REO and Foreclosure Properties	2021 2020 2020 2020 2019 2019 2018 2018 2018 2018 2018 2018
Appraisal of Land Subject to Ground Leases Florida Appraisal Laws and Regulations Michigan Appraisal Law Uniform Standards of Professional Appraisal Practice Update Uniform Appraisal Standards for Federal Land Acquisitions (Yellow Book) The Cost Approach Income Approach Case Studies for Commercial Appraisers Introduction to Expert Witness Testimony for Appraisers Introduction to Expert Witness Testimony for Appraisers Introduction Small Apartment Properties Florida Appraisal Laws and Regulations Uniform Standards of Professional Appraisal Practice Update Interpretable Appraisal of REO and Foreclosure Properties Interpretable Storage Facilities	2021 2020 2020 2020 2019 2019 2018 2018 2018 2018 2018 2017
Appraisal of Land Subject to Ground Leases Florida Appraisal Laws and Regulations Michigan Appraisal Law Uniform Standards of Professional Appraisal Practice Update Uniform Appraisal Standards for Federal Land Acquisitions (Yellow Book) The Cost Approach Income Approach Case Studies for Commercial Appraisers Introduction to Expert Witness Testimony for Appraisers Appraising Small Apartment Properties Florida Appraisal Laws and Regulations Uniform Standards of Professional Appraisal Practice Update Appraisal of REO and Foreclosure Properties Appraisal of Self Storage Facilities Land and Site Valuation	2021 2020 2020 2020 2019 2019 2018 2018 2018 2018 2018 2017 2017
Appraisal of Land Subject to Ground Leases Florida Appraisal Laws and Regulations Michigan Appraisal Law Uniform Standards of Professional Appraisal Practice Update Uniform Appraisal Standards for Federal Land Acquisitions (Yellow Book) The Cost Approach Income Approach Case Studies for Commercial Appraisers Introduction to Expert Witness Testimony for Appraisers Appraising Small Apartment Properties Florida Appraisal Laws and Regulations Uniform Standards of Professional Appraisal Practice Update Appraisal of REO and Foreclosure Properties Appraisal of Self Storage Facilities Land and Site Valuation INCDOT Appraisal Principles and Procedures	2021 2020 2020 2020 2019 2019 2018 2018 2018 2018 2018 2017
Appraisal of Land Subject to Ground Leases Florida Appraisal Laws and Regulations Michigan Appraisal Law Uniform Standards of Professional Appraisal Practice Update Uniform Appraisal Standards for Federal Land Acquisitions (Yellow Book) The Cost Approach Income Approach Case Studies for Commercial Appraisers Introduction to Expert Witness Testimony for Appraisers Appraising Small Apartment Properties Florida Appraisal Laws and Regulations Uniform Standards of Professional Appraisal Practice Update Appraisal of REO and Foreclosure Properties Appraisal of Self Storage Facilities Land and Site Valuation NCDOT Appraisal Principles and Procedures Uniform Standards of Professional Appraisal Practice Update Forecasting Revenue	2021 2020 2020 2020 2019 2019 2018 2018 2018 2018 2018 2017 2017 2017

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