Appendix I

Property Value Impact Study



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March 10, 2021

Ms. Wendy Parker Nelson Mullins 151 Meeting Street, Sixth Floor Charleston, SC 29401-2239

RE: Horus KY 1, LLC Solar Project – Property Value Impact Study

Ms. Parker

At your request, I have considered the impact of a solar farm proposed to be constructed on approximately 547.60-acre portion of a 592.06-acre assemblage of land located on Tyree Chapel Road, Franklin, Simpson County, Kentucky. Specifically, I have been asked to give my professional opinion on whether the proposed solar farm will have any impact on adjoining property value and whether "the location and character of the use, if developed according to the plan as submitted and approved, will be in harmony with the area in which it is to be located."

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

This letter is a limited report of a real property appraisal consulting assignment and subject to the limiting conditions attached to this letter. My client is Nelson Mullins, represented to me by Ms. Wendy Parker. My findings support the Kentucky Siting Board Application. The effective date of this consultation is March 10, 2021.

While based in NC, I am also a Kentucky State Certified General Appraiser #5522.

Conclusion

The matched pair analysis shows no 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 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.

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.

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 property 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 further questions please call me any time.

Sincerely,

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Richard C. Kirkland, Jr., MAI Kentucky Certified General Appraiser #5522



Standards and Methodology

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

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

Determining what is an External Obsolescence

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

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

- 1) Traffic. Solar Farms are not traffic generators.
- 2) Odor. Solar farms do not produce odor.
- 3) Noise. Solar farms generate no noise concerns and are silent at night.

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

Proposed Use Description

The proposed solar farm is proposed to be constructed on approximately 547.60-acre portion of a 592.06-acre assemblage of land located on Tyree Chapel Road, Franklin, Simpson County, Kentucky. Adjoining land is primarily a mix of residential and agricultural uses, which is very typical of solar farm sites.

Adjoining Properties

I have considered adjoining uses and included a map to identify each parcel's location. The closest adjoining home will be 140 feet from the closest panel and the average distance to adjoining homes will be 520 feet. Matched pair data presented later in this report shows no impact on home values as close as 105 feet when reasonable visual buffers are provided. The western property line runs along CSX Railroad tracks.

There are two adjoining homes with related ownership to the subject property parcel – one is inset in the middle of the solar farm and the other is identified as Parcel 3 and is one of the closest homes to proposed solar panels.

Parcel 12 is another inset parcel with an existing home that was built in 1900 with 1,404 square feet. This home will be 210 feet from the closest panel and will have existing mature trees between this home and proposed panels that will be supplemented by additional required landscaping to buffer that homesite to minimize impacts to this older home.

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

Adjoining Use Breakdown Parcels Acreage Residential 4.13% 42.11% Agricultural 46.22% 26.32% Agri/Res 47.01% 26.32% Commercial 5.26% 2.63%100.00% 100.00% Total



Maximum Potential Layout of Panels Shown in Blue



Surrounding Uses

	-		GIS Data		Adjoin	Adjoin	Distance (ft)
#	MAP ID	Owner	Acres	Present Use	Acres	Parcels	Home/Panel
1	10175	Simpson	0.09	Residential	0.01%	5.26%	N/A
2	6907	Ratliff	6.85	Residential	0.75%	5.26%	695
3	7282	Summers	23.64	Agri/Res	2.59%	5.26%	140
4	24	Caudill	153.95	Agricultural	16.88%	5.26%	N/A
5	3262	Baldwin	154.00	Agri/Res	16.88%	5.26%	165
6	8690	Hinton	189.00	Agri/Res	20.72%	5.26%	140
7	Unknown	Unknown	11.20	Residential	1.23%	5.26%	N/A
8	4874	Rediker	24.86	Agricultural	2.73%	5.26%	N/A
9	1582	Rediker	26.55	Agri/Res	2.91%	5.26%	1525
10	7171	Crafton	35.62	Agri/Res	3.91%	5.26%	1020
11	9971	Tyree	83.00	Agricultural	9.10%	5.26%	N/A
12	9003	Glenn	1.79	Residential	0.20%	5.26%	210
13	9359	Crafton	64.00	Agricultural	7.02%	5.26%	N/A
14	9076	Key LLC	95.79	Agricultural	10.50%	5.26%	N/A
15	7240	SAV LLC	24.03	Commercial	2.63%	5.26%	N/A
16	1284	Barnhill	5.00	Residential	0.55%	5.26%	360
17	6502	Johns	2.00	Residential	0.22%	5.26%	510
18	9197	Johns	0.76	Residential	0.08%	5.26%	400
19	8762	Webb	10.00	Residential	1.10%	5.26%	550
		Total	912.128		100.00%	100.00%	520

I. Summary of Solar Projects in Kentucky

I have researched the solar projects in Kentucky. I identified the solar farms through the Solar Energy Industries Association (SEIA) Major Projects List and then excluded the roof mounted facilities. This leaves only six solar farms in Kentucky for analysis at this time.

One of these six solar farms has limited analysis potential: E.W. Brown near Harrodsburg in Mercer County. The E. W. Brown 10 MW solar farm was built in 2014 and adjoins three coal-fired units. Given that research studies that I have read regarding fossil fuel power plants including "The Effect of Power Plants on Local Housing Values and Rents" by Lucas W. Davis and published May 2010, it would not be appropriate to use any data from this solar farm due to the influence of the coal fired power plant that could have an impact on up to a one-mile radius. I note that the closest home to a solar panel at this site is 565 feet and the average distance is 1,026 feet. The homes are primarily clustered at the Herrington Lake frontage. Recent sales in this area range from \$164,000 to \$212,000 for these waterfront homes. Again, no usable data can be derived from this solar farm due to the adjoining coal fired plant.

Furthermore, the Cooperative solar farm in Shelby County is a 0.5 MW facility on 35 acres built in 2020 that is proposed to eventually be 4 MW. This project is too new and there have been no home sales adjoining this facility. I also cannot determine how close the nearby homes are to the adjoining solar panels as the aerial imagery does not yet show these panels.

I have provided a summary of projects below and additional detailed information on the projects on the following pages. I specifically note the similarity in most of the sites in Kentucky as compared to most of the states that I have searched before in terms of mix of adjoining uses, topography, and distances to adjoining homes.

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

					Total	Used	Avg. Dist	Closest	Adjoin	ing Use	by Acre	
Parcel # Stat	e County	City	Name	Output (MW)	Acres	Acres	to home	Home	Res	Agri	Agri/Res	Com
610 KY	Warren	Bowling Green	Bowling Green	2	17.36	17.36	720	720	1%	64%	0%	36%
611 KY	Clarky	Winchester	Cooperative Solar I	8.5	181.47	63	2,110	2,040	0%	96%	3%	0%
612 KY	Kenton	Walton	Walton 2	2	58.03	58.03	891	120	21%	0%	60%	19%
613 KY	Grant	Crittenden	Crittenden	2.7	181.7	34.1	1,035	345	22%	27%	51%	0%
659 KY	Shelby	Simpsonville	Cooperative Shelby	4	35	35			6%	11%	32%	52%
660 KY	Mercer	Harrodsburg	E.W. Brown	10	50	50	1,026	565	3%	44%	29%	25%
	Total Num	ber of Solar Farn	15	6								
			Average	4.87	87.3	42.9	1156	758	9%	40%	29%	22%
			Median	3.35	54.0	42.5	1026	565	4%	36%	30%	22%
			High	10.00	181.7	63.0	2110	2040	22%	96%	60%	52%
			Low	2.00	17.4	17.4	720	120	0%	0%	0%	0%

610: Bowling Green Solar, Bowling Green, KY



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

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

611: Cooperative Solar I, Winchester, KY



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

Adjoining U	lse Breakdown	
	Acreage	Parcels
Residential	0.15%	11.11%
Agricultural	96.46%	77.78%
Agri/Res	3.38%	11.11%
Total	100.00%	100.00%

612: Walton 2 Solar, Walton, KY



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

Adjoining U	Adjoining Use Breakdown													
	Acreage	Parcels												
Residential	20.84%	47.06%												
Agri/Res	59.92%	17.65%												
Commercial	19.25%	35.29%												
Total	100.00%	100.00%												

613: Crittenden Solar, Crittenden, KY



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

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

659: Cooperative Shelby Solar, Simpsonville, KY



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

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



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

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

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

II. 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, Kentucky, 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 650 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.

I have previously been asked by the Kentucky Siting Board about how the 37 solar farms and the 84 matched pair sets were chosen. This is the total of all the usable home and land sales adjoining the 650+ solar farms that I have looked at over the last 9 years. Most of the solar farms that I have looked at are only a few years old and have not been in place long enough for home or land sales to occur next to them for me to analyze. There is nothing unusual about this given the relatively rural locations of most of the solar farms where home and land sales occur much less frequently and the number of adjoining homes is relatively small.

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

So once I go through all of the sales and eliminate the family transactions and those sales with multiple differentials, I am left with 84 matched pairs to analyze. The only other sales that I have eliminated from the analysis are home sales under \$100,000, which there haven't been many such examples, but at that price range it is difficult to identify any impacts through matched pair analysis. As can be seen from a later question, I have not cherry picked the data to include just the sales that support one direction in value, but I have included all of them both positive and negative with a preponderance of the evidence supporting no impact to mild positive impacts.

A. Kentucky Data



1. 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 Claiborne 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 is currently selling lots at the west end of Claiborne for new home construction. He indicated 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 on lots being marketed for \$28,000 to \$29,000.

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.

Parcel	Solar	Address	Acres	Date Sol	d 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	4/18/201	8 \$95	,000	1994	1,500	\$63.33	3/2	2-Det	Manuf	Carport
	Not	410 Reeves	1.02	11/27/20	18 \$80,	,000	2000	1,456	\$54.95	3/2	Drive	Manuf	
	Not	315 N Fork	1.09	5/4/2019	9 \$107	,000	1992	1,792	\$59.71	3/2	Drive	Manuf	
Adjustr	nents												
	ii cii co											Avg	
Solar	Addres	s Time	Site	YB	GLA	BR/B	A Park	Oth	er To	tal %	Diff	Avg % Diff	Distance
Solar Adjoins	Addres		Site	YB	GLA	BR/B	A Park	Oth		tal %),000	Diff	0	Distance 373
	Addres	rne	Site		GLA \$26,144	BR/B#	Park -\$5,000		\$120	/-	3%	0	
Adjoins	Addres 250 Claibo	on \$2,081	Site	\$2,850		BR/BA			\$120 000 \$116),000 5,075		0	
Adjoins Not	Addres 250 Claibo 1250 Cas	on \$2,081 es \$249	Site	\$2,850 \$0	\$26,144	BR/BA			\$120 \$100 \$116 \$104),000 5,075 1,865	3%	0	

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.

Parcel	Solar	Ad	dress	Acres	Date So	ld Sal	es Price	Built	GBA	\$/GBA	BR/B	A Park	Style	Other
	Adjoins	300 C	laiborne	1.08	9/20/20	18 \$2	212,720	2003	1,568	\$135.66	3/3	2-Car	Ranch	Brick
	Not	460 C	laiborne	0.31	1/3/20	19 \$2	29,000	2007	1,446	\$158.37	3/2	2-Car	Ranch	Brick
	Not	2160	Sherman	1.46	6/1/20	19 \$2	265,000	2005	1,735	\$152.74	3/3	2-Car	Ranch	Brick
	Not	215 L	exington	1.00	7/27/20	18 \$2	231,200	2000	1,590	\$145.41	5/4	2-Car	Ranch	Brick
Adjustr	nents												Avg	
Solar	Addr	ess	Time	Site	YB	GLA	BR/B	A Park	Ot	her To	tal	% Diff	% Diff	Distance
Adjoins	300 Clai	borne								\$213	3,000			488
Not	460 Clai	borne	-\$2,026		-\$4,580	\$15,45	7 \$5,00	0		\$242	2,850	-14%		
Not	2160 Sh	erman	-\$5,672		-\$2,650	-\$20,40)6			\$236	5,272	-11%		
	215 Lexi	noton	\$1,072		\$3,468	-\$2,55	9 -\$5.00	00		\$228	3.180	-7%		
Not	ZIJ LEA	ington	φ1,012		φ0,100	φ1,00	- 40,00			4110	,100	170		

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 Reside	ential (Sales Afte	r Solar Fa	arm Appr	oved								
Parcel	Solar	Ad	ldress	Acres	Date So	ld Sale	s Price	Built	GBA	\$/GBA	BR/B	A Park	Style	Other
	Adjoins	350 C	Claiborne	1.00	7/20/20	18 \$2	45,000	2002	1,688	\$145.14	3/3	2-Car	Ranch	Brick
	Not	460 C	Claiborne	0.31	1/3/20	19 \$2	29,000	2007	1,446	\$158.37	3/2	2-Car	Ranch	Brick
	Not	2160	Sherman	1.46	6/1/20	19 \$2	65,000	2005	1,735	\$152.74	3/3	2-Car	R/FBsm	t Brick
	Not	215 L	exington	1.00	7/27/20	18 \$2	31,200	2000	1,590	\$145.41	5/4	2-Car	Ranch	Brick
Adjustn	nents												Avg	
Solar	Addre	ess	Time	Site	YB	GLA	BR/B	A Park	Otl	ner To	tal	% Diff	% Diff	Distance
Adjoins	350 Clai	borne								\$245	5,000			720
Not	460 Clai	borne	-\$3,223		-\$5,725	\$30,660	\$5,00	0		\$255	5,712	-4%		
Not	2160 Sh	erman	-\$7,057		-\$3,975	-\$5,743	3			\$248	3,225	-1%		
Not	215 Lexi	ington	-\$136		\$2,312	\$11,400	-\$5,00	0		\$239	9,776	2%		
													-1%	

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.

Adjoin	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.

Adjoinin	ig Residential Sa	les After S	olar Far	m Appr	oved								
Solar	Address	Acres	Date	Sold Sa	ales Price	Built	GBA	\$/GBA	BR/BA	Park	s	Style	Other
Adjoin	s 330 Claiborne	e 1.00	12/10,	/2019 \$	\$282,500	2003	1,768	\$159.79	3/3	2-Car	F	lanch	Brick/pool
Not	895 Osborne	1.70	9/16/	2019 \$	\$249,900	2002	1,705	\$146.57	3/2	2-Car	F	lanch	Brick/pool
Not	2160 Shermai	n 1.46	6/1/2	2019 \$	\$265,000	2005	1,735	\$152.74	3/3	2-Car	R/	FBsmt	Brick
Not	215 Lexingtor	n 1.00	7/27/	2018 \$	\$231,200	2000	1,590	\$145.41	5/4	2-Car	F	lanch	Brick
												Avg	
Solar	Address	Time	Site	YB	GLA	BR/BA	Park	Other	Tota	l %	Diff	% Diff	Distance
Adjoins	330 Claiborne								\$282,5	00			665
Not	895 Osborne	\$1,790		\$1,250	\$7,387	\$5,000		\$0	\$265,3	27 6	5%		
Not	2160 Sherman	\$4,288		-\$2,650	\$4,032			\$20,000	\$290,6	70 -	3%		
Not	215 Lexington	\$9,761		\$3,468	\$20,706	-\$5,000		\$20,000	\$280,1	35 3	۱%		
												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 five matched pairs considered in this analysis includes two that show no impact on value, one that shows a negative impact on value, and two 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 -1% and +3%. The average indicated impact is +0% when all five of these indicators are blended.

Furthermore, the comments of the local broker strongly support the data that shows no negative impact on value due to the proximity to the solar farm. This is further supported by the national data that is shown on the following pages.

B. National Data

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

This 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.



Matched Pairs

As of Date: 9/3/2014

Adjoining Sales After Solar Farm Completed

TAX ID	Owner	Acres	Date Sold	Sales Price	Built	GBA	\$/GBA	Style
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 Median	1.27 1.13		\$253,600 \$253,000	2013.4 2013	3,418 3,400	\$74.27 \$74.41	

Adjoining Sales After Solar Farm Announced

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 Before Solar Farm Announced

TAX ID	Owner	Acres	Date Sold	Sales Price	Built	GBA	\$/GBA Style
3600183905	Carter	1.57	Dec-12	\$240,000	2012	3,347	\$71.71 1.5 Story
3600193097	Kelly	1.61	Sep-12	\$198,000	2012	2,532	\$78.20 2 Story
3600194189	Hadwan	1.55	Nov-12	\$240,000	2012	3,433	\$69.91 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 After Solar Farm Completed

•		-						
TAX ID	Owner	Acres	Date Sold	Sales Price	Built	GBA	\$/GBA	Style
3600193710	Barnes	1.12	Oct-13	\$248,000	2013	3,400	\$72.94	2 Story
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
3600198928	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
3600193914	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
3601104147	Shaffer	0.73	Apr-14	\$255,000	2014	3,453	\$73.85	2 Story
	Average	0.91		\$246,000	2013.625	3,189	\$77.85	
	Median	0.92		\$249,000	2014	3,346	\$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 Su	ımmary			
	Adjoins Sola	r 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 Diffe	erences			
Median Price	-2%	6		
Median Size	-2%	6		
Median Price/SF	0%	6		

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 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. This is similar to the discount you see in any market where there is a discount for buying larger volumes. So when you buy a 2 liter coke you pay less per ounce than if you buy a 16 oz. coke. 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.

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	\$/GBA	BR/BA	Park	Style	Other	Distance
	Adjoins	103 Granville Pl	1.42	7/27/2018	\$265,000	2013	3,292	\$80.50	4/3.5	2-Car	2-Story		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%		

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	\$/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	
Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	% Diff	
104 Erin								\$280,000		0%	
2219 Granville	-\$4,448		\$2,600	\$16,238				\$274,390	2%		
634 Friendly	-\$17,370		-\$5,340	\$34,702	-\$10,000			\$268,992	4%		
2403 Granville	-\$15,029		\$0	\$48,285				\$298,256	-7%		
	104 Erin 2219 Granville 634 Friendly	104 Erin 2219 Granville -\$4,448 634 Friendly -\$17,370	104 Erin 2219 Granville -\$4,448 634 Friendly -\$17,370	104 Erin 2219 Granville -\$4,448 \$2,600 634 Friendly -\$17,370 -\$5,340	104 Erin 2219 Granville -\$4,448 \$2,600 \$16,238 634 Friendly -\$17,370 -\$5,340 \$34,702	104 Erin 2219 Granville -\$4,448 \$2,600 \$16,238 634 Friendly -\$17,370 -\$5,340 \$34,702 -\$10,000	104 Erin 2219 Granville -\$4,448 \$2,600 \$16,238 634 Friendly -\$17,370 -\$5,340 \$34,702 -\$10,000	104 Erin 2219 Granville -\$4,448 \$2,600 \$16,238 634 Friendly -\$17,370 -\$5,340 \$34,702 -\$10,000	104 Erin \$280,000 2219 Granville -\$4,448 \$2,600 \$16,238 \$274,390 634 Friendly -\$17,370 -\$5,340 \$34,702 -\$10,000 \$268,992	104 Erin \$280,000 2219 Granville -\$4,448 \$2,600 \$16,238 \$274,390 2% 634 Friendly -\$17,370 -\$5,340 \$34,702 -\$10,000 \$268,992 4%	Address Time Site YB GLA BR/BA Park Other Total % Diff % Diff 104 Erin - - - - - - - 0%

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	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	
Adjoins	2312 Granville								\$284,900		1%	
Not	2219 Granville	\$2,476		\$1,300	\$10,173				\$273,948	4%		
Not	634 Friendly	-\$10,260		-\$6,675	\$27,986	-\$10,000			\$268,051	6%		
Not	2403 Granville	-\$7,972		-\$1,325	\$47,956				\$303,659	-7%		

Adjoining Residential Sales After Solar Farm Approved

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	\$/GBA	BR/BA	Park	Style	Other	Distance
	Adjoins	2310 Granville	0.76	5/14/2019	\$280,000	2013	3,292	\$85.05	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		

											8	
Solar	Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	% Diff	
Adjoins	2310 Granville								\$280,000		1%	
Not	2219 Granville	\$10,758		\$1,300	\$0				\$272,058	3%		
Not	634 Friendly	-\$1,755		-\$6,675	\$16,721	-\$10,000			\$265,291	5%		
Not	2403 Granville	\$469		-\$1,325	\$31,356				\$295,500	-6%		

Avg

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%

 Average
 2.46%

 Median
 2.47%

Matched Pair – White Cross Solar Farm, Chapel Hill, NC

2.



A new solar farm was built at 2159 White Cross Road in Chapel Hill, Orange County in 2013. After construction, the owner of the underlying land sold the balance of the tract not encumbered by the solar farm in July 2013 for \$265,000 for 47.20 acres, or \$5,606 per acre. This land adjoins the solar farm to the south and was clear cut of timber around 10 years ago. I compared this purchase to a nearby transfer of 59.09 acres of timber land just south along White Cross Road that sold in November 2010 for \$361,000, or \$6,109 per acre. After purchase, this land was divided into three mini farm tracts of 12 to 20 acres each. These rates are very similar and the difference in price per acre is attributed to the timber value and not any impact of the solar farm.

Туре	TAX ID	Owner	Acres	Date	Price	\$/Acre	Notes	Conf By
Adjoins Solar	9748336770	Haggerty	47.20	Jul-13	\$265,000	\$5,614	Clear cut	Betty Cross, broker
Not Near Solar	9747184527	Purcell	59.09	Nov-10	\$361,000	\$6,109	Wooded	Dickie Andrews, broker

The difference in price is attributed to the trees on the older sale.

No impact noted for the adjacency to a solar farm according to the broker.

I looked at a number of other nearby land sales without proximity to a solar farm for this matched pair, but this land sale required the least allowance for differences in size, utility and location.

Matched Pair Summary

matement i arr bummary				
	Adjoins S	Solar Farm	Nearby S	olar Farm
	Average	Median	Average	Median
Sales Price	\$5,614	\$5,614	\$6,109	\$6,109
Adjustment for Timber	\$500	\$500		
Adjusted	\$6,114	\$6,114	\$6,109	\$6,109
Tract Size	47.20	47.20	59.09	59.09
Percentage Differences				
Median Price Per Acre	0%			

This matched pair again supports the conclusion that adjacency to a solar farm has no impact on adjoining residential/agricultural land.



This solar farm is located at the northeast corner of a 594-acre farm with approximately 30 acres of solar farm area. This solar farm was approved and constructed in 2013.

After approval, 18.82 acres were sold out of the parent tract to an adjoining owner to the south. This sale was at a similar price to nearby land to the east that sold in the same time from for the same price per acre as shown below.

Type Adjoins Solar Not Near Solar	TAX ID 0918-17-11-7960 0918-00-75-9812 et a	Owner Piedmont al Blackwell	Acres 18.82 14.88	Present Use Agriculatural Agriculatural	Date So 8/19/20 12/27/20	\$164,000	\$/AC	\$8,714 \$8,739
Matched Pair Sum	imary							
	Adjoi	ns Solar Farr	n	Nearb				
	Avera	ige Med	lian	Ave	erage	Median		
Sales Price	\$8,	714 \$8,	714	\$8	,739	\$8,739		
Tract Size	18	.82 18	.82	14	1.88	14.88		
Percentage Differ	ences							
Median Price Per A	cre	0%						

```
Median Price Per Acre
```

This matched pair again supports the conclusion that adjacency to a solar farm has no impact on adjoining residential/agricultural land.



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

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%

From the above map, I identified four recent sales of homes that occurred adjoining the solar farm both before and after the announcement of the solar farm. I have adjusted each of these for differences in size and age in order to compare these sales among themselves. As shown below after adjustment, the median value is \$130,776 and the sales prices are consistent with one outlier which is also the least comparable home considered. The close grouping and the similar price per point overall as well as the similar price per square foot both before and after the solar farm.

Matched Pairs

conou i un	•									
#	TAX ID	Owner	Date Sold	Sales Price	Acres	Built	GBA	\$/GBA	Style	Parking
6&7	0900 A 011.00	Henson	Jul-14	\$130,000	2.65	2007	1,511	\$86.04	1 Story	2 Garage
12	0900 A 003.00	Amerson	Aug-12	\$130,000	1.20	2011	1,586	\$81.97	1 Story	2 Garage
15	099C A 003.00	Smallwood	May-12	\$149,900	1.00	2002	1,596	\$93.92	1 Story	4 Garage
16	099C A 002.00	Hessing	Jun-15	\$130,000	1.00	1999	1,782	\$72.95	1 Story	2 Garage
		Average		\$134,975	1.46	2005	1,619	\$83.72		
		Median		\$130,000	1.10	2005	1,591	\$84.00		
						Adjı	ustments	ł		
#	TAX ID	Owner	Date Sold	Sales Price	Acres	Built	GBA	Style	Parking	Total
6&7	0900 A 011.00	Henson	Jul-14	\$130,000	-\$7,500	\$2,600	\$6,453	\$0	\$0	\$131,553
12	0900 A 003.00	Amerson	Aug-12	\$130,000	\$0	\$0	\$0	\$0	\$0	\$130,000
15	099C A 003.00	Smallwood	May-12	\$149,900	\$0	\$6,746	-\$939	\$0	-\$15,000	\$140,706
16	099C A 002.00	Hessing	Jun-15	\$130,000	\$0	\$7,800	-\$14,299	\$0	\$0	\$123,501

\$134,975

\$130.000

-\$1,875

\$0

\$4,286

\$4,673

-\$2,196

-\$470

\$0

\$0

* I adjusted all of the comparables to a base line 2011 Year Built and 1,586 s.f. based on Lot 12

Average

Median

Median

I also considered a number of similar home sales nearby that were both before and after the solar farm was announced as shown below. These homes are generally newer in construction and include a number of larger homes but show a very similar price point per square foot.

Nearby Sales Befo	re Solar Farm A	nnounced							
TAX ID	Owner	Date Sold	Sales Price	Acres	Built	GBA	\$/GBA	Style	Parking
099B A 019	Durrance	Sep-12	\$165,000	1.00	2012	2,079	\$79.37	1 Story	2 Garage
099B A 021	Berryman	Apr-12	\$212,000	2.73	2007	2,045	\$103.67	1 Story	2 Garage
0900 A 060	Nichols	Feb-13	\$165,000	1.03	2012	1,966	\$83.93	1 Story	2 Garage
	Average		\$180,667	1.59	2010	2,030	\$88.99		
	Median		\$165,000	1.03	2012	2,045	\$83.93		
Nearby Sales After	Solar Farm An	nounced							
TAX ID	Owner	Date Sold	Sales Price	Acres	Built	GBA	\$/GBA	Style	Parking
090N A 040	Carrithers	Mar-15	\$120,000	1.00	2010	1,626	\$73.80	1 Story	2 Garage
099C A 043	Cherry	Feb-15	\$148,900	2.34	2008	1,585	\$93.94	1 Story	2 Garage
	Average		\$134,450	1.67	2009	1,606	\$83.87		

1.67

2009

1,606

\$83.87

\$134,450

-\$3,750 \$131,440

\$130,776

\$0

I then adjusted these nearby sales using the same criteria as the adjoining sales to derive the following breakdown of adjusted values based on a 2011 year built 1,586 square foot home. The adjusted values are consistent with a median rate of \$128,665, which is actually lower than the values for the homes that back up to the solar farm.

Nearby Sales Ad	justed			Adjustments*						
TAX ID	Owner	Date Sold	Sales Price	Acres	Built	GBA	Style	Parking	Total	
099B A 019	Durrance	Sep-12	\$165,000	\$0	-\$825	-\$39,127	\$0	\$ 0	\$125,048	
099B A 021	Berryman	Apr-12	\$212,000	-\$7,500	\$4,240	-\$47,583	\$0	\$O	\$161,157	
0900 A 060	Nichols	Feb-13	\$165,000	\$ 0	-\$825	-\$31,892	\$0	\$O	\$132,283	
090N A 040	Carrithers	Mar-15	\$120,000	\$0	\$600	-\$2,952	\$0	\$O	\$117,648	
099C A 043	Cherry	Feb-15	\$148,900	-\$7,500	\$2,234	\$94	\$0	\$0	\$143,727	
	Average		\$165,500	-\$1,875	\$798	-\$30,389	\$0	\$0	\$134,034	
	Median		\$165,000	\$0	-\$113	-\$35,510	\$0	* \$0	\$128,665	

* I adjusted all of the comparables to a base line 2011 Year Built and 1,586 s.f. based on Lot 12

If you consider just the 2015 nearby sales, the range is \$117,648 to \$143,727 with a median of \$130,688. If you consider the recent adjoining sales the range is \$123,501 to \$131,553 with a median of \$127,527.

This difference is less than 3% in the median and well below the standard deviation in the sales. The entire range of the adjoining sales prices is overlapped by the range from the nearby sales. These are consistent data sets and summarized below.

Matched Pair Summary

	Adjoins Solar F	arm	Nearby After Solar Farm				
	Average	Median	Average	Median			
Sales Price	\$134,975	\$130,000	\$134,450	\$134,450			
Year Built	2005	2005	2009	2009			
Size	1,619	1,591	1,606	1,606			
Price/SF	\$83.72	\$84.00	\$83.87	\$83.87			

Based on the data presented above, I find that the price per square foot for finished homes is not being impacted negatively by the announcement of the solar farm. The difference in pricing in homes in the neighborhood is accounted for by differences in size, building age, and lot size. The median price for a home after those factors are adjusted for are consistent throughout this subdivision and show no impact due to the proximity of the solar farm. This is consistent with the comments from the broker I spoke with for this subdivision as well.

I have also 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 3	l Solar Adjoins Not Not Not	Address 491 Dusty 820 Lake Trail 262 Country 35 April	Acres 6.86 1.00 1.00 1.15	Date Sold 10/28/2016 6/8/2018 1/17/2018 8/16/2016		0 2009 0 2013 0 2000	1,801 1,869	\$/GBA \$97.72 \$89.89 \$77.96 \$93.43	BR/B 3/2 4/2 3/2 3/2	Park 2-Gar 2-Gar 2-Gar 2-Gar	Style Rancl Rancl Rancl Rancl	ב ב ב
Parcel 3	Not 82	Adjress 1 491 Dusty 20 Lake Trail 262 Country 35 April	ັງ -\$ -\$	ales Adjusted Yme 8,324 5,450 1,138	Site \$12,000 \$12,000	. ,	GLA \$4,890 \$3,680 \$13,380	Park		Total \$176,000 \$163,426 \$154,396 \$178,283 Average	% Diff 7% 12% -1% 6%	Distance 480

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

Adjoining Residential Sales After Solar Farm Built

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

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

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

Adjoin	ing Resi	dential Sales	s After Solar	Farm Built	t							
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	Rano	h
	Not	185 Dusty	y 1.85	8/17/2015	\$126,040	2009	1,463	\$86.15	3/2	2-Gar	Rano	h
	Not	53 Glen	1.13	3/9/2017	\$126,000	1999	1,475	\$85.42	3/2	2-Gar	Ranc	h Brick
				Adjoining S	ales Adjuste	đ						
Parcel	Solar	Address	Sales Price	Time	Site YB	GLA	Par	k Otl	ner To	tal	% Diff	Distance
15	Adjoins	297 Country	\$150,000						\$150	0,000		650
	Not	185 Dusty	\$126,040	\$4,355	-\$4,41	1 \$9,167	/ \$10,0	000	\$143	5,150	3%	
	Not	53 Glen	\$126,000	- \$1,699	\$1,89	0 \$8,269	\$10,0	000	\$144	1,460	4%	
									Ave	rage	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.

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%	

^{5.} Matched Pair - Nixon's Solar Farm, West Friendship, MD



This smaller 2 MW solar farm being developed in phases mostly adjoins agricultural and residential uses as shown above. This is part of what will eventually be a 10 MW facility.

I compared a recent sale of 12909 Vistaview Drive to 2713 Friendship Farm Court. While this does not look at an adjacent home sale, it is close proximity and based on the matched pair data in the report it shows a \$16,640 positive impact on value due to proximity to the solar farm, or 2.16%. This is within typical market friction and supports an indication of no impact on property value.

I have shown this data below.

Nixon's Farm Solar Farm, West Friendship, MD

Nearby Residential Sale After Solar Farm Construction

Address	Solar Farm A	cres	Date Sold S	Sales Price*	Built	GBA	\$/GBA	Style	BR/BA	Park
12909 Vistaview	Nearby	0.92	9/12/2014	\$771,640	2003	2,692	\$286.64	Colonial	4/3.5	2 Car Det
2713 Friendship Farm	Not	0.98	6/20/2014	\$690,000	2000	2,792	\$247.13	Colonial	4/2.5	2 Car Att

*\$3,360 concession deducted from sale price for Vistaview

Adjoining Sales Adjus		Adjustments							
Address	Date Sold	Sales Price	Time	Acres	YB		BR/BA	Other	Total
12909 Vistaview	9/12/2014	\$771,640							\$771,640
2713 Friendship Farm	6/20/2014	\$690,000		\$0	\$0	\$0	\$10,000	\$55,000	\$755,000
				Differe	nce Attrib	utable t	o Locatior	1	\$16,640
									2.16%

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



This solar farm 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.

Leonardtown Road Solar Farm, Hughesville, MD

Nearby Residential Sale After Solar Farm Construction												
Address	Solar Farm	Acres	Date Sold Sales Price*	Built	GBA	\$/GBA	Style	BR/BA	Bsmt	Park	Upgrade	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	isted			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	Attributa	ble to Loc	ation	\$8,440 2.90%

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



34

This solar farm mostly adjoins agricultural and residential uses but also the Community center and located across the street from a golf course which can be seen just to the east. I looked at a 2012 sale of a home 1,000 feet to the west of the solar farm with a slight positive impact on value nearby the solar farm.

I have shown this data below.

Talbot County Community Center, Easton, MD

Nearby Residential Sale After Solar Farm Construction											
Address	Solar Farm	Acres	Date Sold S	Sales Price*	Built	GBA	\$/GBA	Style	BR/BA	Park	Upgrades
10193 Hiners	Nearby	1.06	10/31/2012	\$136,092	1947	776	\$175.38	Bungalow	2/1	3 Car Det	N/A
10711 Hiners	Not	0.60	12/15/2012	\$135,000	1957	832	\$162.26	Bungalow	2/1	1 Car Det	Upd. Bath

*\$5,908 concessions deducted from 10193 Hiners sales price

Adjoining Sales Ad		Adjustments						
Address	Date Sold	Sales Price A	ge	Acres	Park	Upgrades Oth	er	Total
10193 Hiners	10/31/2012	\$136,092						\$136,092
10711 Hiners	12/15/2012	\$135,000	-\$6,750	\$4,000	\$6,000	-\$3,000	\$0	\$135,250

Difference Attributable to Location \$842



This project is located at 8203 Binz-Engleman Road, Converse, Texas, on 98.37 acres with a 4.4 MW output. This project is located with small lot residential development on to the north west and south. There appears to be minimal landscaping along this project. The closest home to the north is 83 feet from the solar panels, while the homes to the west are 110 feet and the homes to the south are 175 feet away from the solar panels.

This solar farm strongly shows an acceptance of nearby residential development in close proximity to solar farms as this solar farm has minimal landscaping, close proximity, small adjoining lot sizes, and the development of homes on three sides of the solar farm.

Adjoining Use Breakdown							
Acreage	Parcels						
Residential	94.64%						
Agricultural	5.36%						
Total	100.00%						

I have considered home sales in the three adjoining subdivisions to look at matched pair data. There are sales and resales of homes in Glenloch and Mustang Valley subdivisions to the south and west of this solar farm.

I have considered multiple matched pairs from these subdivisions to show typical appreciation and no impact on property value both before and after the solar farm was constructed in 2013. I have
looked at a number of home sales and resales in the larger subdivisions, but I have focused on those directly adjoining/facing the solar farm in the examples shown below. These are sales and resales of the homes adjoining the solar farm both before and after the solar farm project in 2013.

The comparables shown below are compared to an earlier sale prior to the solar farm announcement or construction followed by a second sale after the solar farm. The first two have solar farms in the Backyard (B), while the other has the solar farm in the Side yard (S). All of these sales show appreciation that falls within the typical annual appreciation for homes in this area over this time period.

	7703 Redstor	<mark>ne Mnr (B)</mark>		7807 Redstor	<mark>ne Mnr (B)</mark>		7734 Sunder	w Mist (S)
	<u>Date</u>	<u>Price</u>		<u>Date</u>	<u>Price</u>		Date	Price
Sale	10/3/2012	\$149,980	Sale	5/11/2012	\$136,266	Sale	5/23/2012	\$117,140
Sale	3/24/2016	\$166,000	Sale	8/11/2014	\$147,000	Sale	11/18/2014	\$134,000
	<u> Time - YRS</u>	<u>% Incr.</u>		<u> Time - YRS</u>	<u>% Incr.</u>		<u> Time - YRS</u>	<u>% Incr.</u>
	3.47	10.7%		2.25	7.9%		2.49	14.4%
	<u>Per Year</u>	<u>3.1%</u>		<u>Per Year</u>	<u>3.5%</u>		<u>Per Year</u>	5.8%
Years	3.5	<u>10.8%</u>	Years	2.5	<u>8.7%</u>	Years	2	<u>11.6%</u>

I therefore conclude that this set of matched pairs shows no impact on property value and that homes in the area are showing typical appreciation consistent with other homes not in the vicinity of solar farms.



This 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.

A more recent aerial photo is shown on the following page to illustrate the proximity of panels to homes.



10. 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.

	Adjoinin	g Residential Sa	les After S	Solar Farm A	pproved								
Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	\$/GBA	BR/BA	Park	Style	Other	Distance
48	Adjoins	129 Pinto	4.29	4/15/2016	\$170,000	1985	1,559	\$109.04	3/2	Drive	MFG		1,060
	Not	102 Timber	1.30	4/1/2016	\$175,500	2009	1,352	\$129.81	3/2	Drive	MFG		
	Not	120 Ranchland	0.99	10/1/2014	\$170,000	2002	1,501	\$113.26	3/2	Drive	MFG		
												Avg	
	Solar	Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	% Diff	
	Adjoins	129 Pinto								\$170,000		-3%	
	Not	102 Timber	\$276	\$10,000	- \$29,484	\$18,809				\$175,101	-3%		
	Not	120 Ranchland	\$10,735	\$10,000	-\$20,230	\$4,598				\$175,103	-3%		

Adjoining Residential Sales After Solar Farm Approved

Parcel	l Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	\$/GBA	BR/BA	Park	Style	Other	Distance
53	Adjoins	105 Pinto	4.99	12/16/2016	\$206,000	1978	1,484	\$138.81	3/2	Det Gar	Ranch		2,020
	Not	111 Spur	1.15	2/1/2016	\$193,000	1985	2,013	\$95.88	4/2	Gar	Ranch		
	Not	103 Marshall	1.07	3/29/2017	\$196,000	2003	1,620	\$120.99	3/2	Drive	Ranch		
	Not	127 Ranchland	0.99	6/9/2015	\$219,900	1988	1,910	\$115.13	3/2	Gar/3Gar	Ranch		
												Avg	
	Solar	Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	% Diff	
	Adjoins	105 Pinto								\$206,000		11%	
	Not	111 Spur	\$6,918	\$10,000	-\$6,755	-\$25,359				\$177,803	14%		
	Not	103 Marshall	-\$2,268	\$10,000	-\$24,500	-\$8,227		\$5,000		\$176,005	15%		
	Not	127 Ranchland	\$13,738	\$10,000	-\$10,995	-\$24,523		-\$10,000		\$198,120	4%		

Adjoining Residential Sales After Solar Farm Built

Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	\$/GBA	BR/BA	Park	Style	Other	Distance
15	Adjoins	318 Green View	0.44	9/15/2019	\$357,000	2005	3,460	\$103.18	4/4	2-Car	1.5 Brick		570
	Not	195 St Andrews	0.55	6/17/2018	\$314,000	2002	3,561	\$88.18	5/3	2-Car	2.0 Brick		
	Not	336 Green View	0.64	1/13/2019	\$365,000	2006	3,790	\$96.31	6/4	3-Car	2.0 Brick		
	Not	275 Green View	0.36	8/15/2019	\$312,000	2003	3,100	\$100.65	5/3	2-Car	2.0 Brick		

Solar Adjoins	Address 318 Green View	Time	Site	ΥВ	GLA	BR/BA	Park	Other	Total \$357,000	% Diff	Avg % Diff 4%
Not	195 St Andrews	\$12,040		\$4,710	-\$7,125	\$10,000			\$333,625	7%	
Not	336 Green View	\$7,536		-\$1,825	-\$25,425			-\$5,000	\$340,286	5%	
Not	275 Green View	\$815		\$3,120	\$28,986	\$10,000			\$354,921	1%	

Adjoining Residential Sales After Solar Farm Built

Aujoin	iing Resi	dential Sales Alto	er Solar F	arm Built									
Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	\$/GBA	BR/BA	Park	Style	Other	Distance
29	Adjoins	164 Ranchland	1.01	4/30/2019	\$169,000	1999	2,052	\$82.36	4/2	Gar	MFG		440
	Not	150 Pinto	0.94	3/27/2018	\$168,000	2017	1,920	\$87.50	4/2	Drive	MFG		
	Not	105 Longhorn	1.90	10/10/2017	\$184,500	2002	1,944	\$94.91	3/2	Drive	MFG		
	Not	112 Pinto	1.00	7/27/2018	\$180,000	2002	1,836	\$98.04	3/2	Drive	MFG	Fenced	
												Avg	
	Solar Adioins	Address 164 Ranchland	Time	Site	YB	GLA	BR/BA	Park	Other	Total \$169.000	% Diff	% Diff -10%	

Solai	Audicas	TIME	Site	ID	UDA	DR/ DA	Iain	Other	Total	/0 DIII	/0 D111	
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%		

Adjoini	ing Resi	dential Sales Afte	er Solar Fa	arm Built									
Parcel	Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	\$/GBA	BR/BA	Park	Style	Other	Distance
	Adjoins	358 Oxford	10.03	9/16/2019	\$478,000	2008	2,726	\$175.35	3/3	2 Gar	Ranch		635
	Not	276 Summit	10.01	12/20/2017	\$355,000	2006	1,985	\$178.84	3/2	2 Gar	Ranch		
	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	
												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%		

Adjoini	ing Resid	ential Sales Af	ter Solar Fa	rm Approve	đ								
Parcel	Solar	Address	Acres	Date Sold	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	Address	Time	Site	YB	GLA	BR/BA	Park	Other	Total	% Diff	% Diff	
	Adjoins	343 Oxford								\$490,000		3%	
	Not	287 Oxford	- \$9,051		\$9,000	-\$65,017	-\$15,000	-\$25,000		\$494,932	-1%		
	Not	301 Oxford	- \$14,995	-\$10,000	\$6,510	\$36,838				\$452,353	8%		
	Not	218 Oxford	- \$1,150		\$26,250	-\$46,036		-\$10,000	-\$10,000	\$484,064	1%		





This project is located in rural Orange County on White Cross Road with a 2.8 MW facility. This project is a few parcels south of White Cross Solar Farm that was developed by a different company. An adjoining home sold after construction as presented below.

Adjoining Residential Sales After Solar Farm Completed

Solar	TAX ID/Address	Acres	Date Sold	Sales Price	Built	GBA	\$/GBA	BR/BA	Park	Style
Adjoins	97482114578	11.78	2/29/2016	\$340,000	1994	1,601	\$212.37	3/3	Garage	Ranch
Not	4200B Old Greensbor	12.64	12/28/2015	\$380,000	2000	2,075	\$183.13	3/2.5	Garage	Ranch

Adjoining Residential Sales After Solar Farm Adjoining Sales Adjusted

Solar	TAX ID/Address	Sales Price	Time	Acres	YB	GLA	BR/BA	Park	Total	% Diff
Adjoins	97482114578	\$340,000							\$340,000	
Not	4200B Old Greensbor	\$380,000	\$3,800	\$0	-\$15,960	-\$43,402	\$5,000	\$0	\$329,438	3%

<u>12.</u> 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. 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.

- #	Solar Farm	TAX ID	Grantor	Grantee	Address	Acres	Date Sold	Sales Price	\$/AC	Other
 9 & 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	\$7,041	Gravel drive for sub, cleared
	Not	3437	Vaughan	N/A	11354 Old	18.73	Listing	\$79,900	\$4,266	Small cemetery,wooded
					Lewis Sch					

			Aajoinii	1g 5a	lies Aujust	ea					
			Time	•	Acres Lo	cation	Other	Adj \$/Ac	% Diff		
								\$5,295			
			\$0		\$400	\$0	\$0	\$4,400	17%		
			-\$292	2	\$292	\$0	-\$500	\$5,340	-1%		
			-\$352	2	\$0	\$0	-\$1,000	\$5,689	-7%		
			-\$213	5	\$0	\$0	\$213	\$4,266	19%		
								Average	7%		
								· ·			
Adjoini	ing Residen	tia	Sales After Sola	r Farm	Completed						
	Solar Farm		Address	Acre		d Sales Price			GLA BR/BA	Style	Other
9 &10	Adjoins Not	ζs	9162 Winters 7352 Red Fox	13.2 0.93			2016 2010		57.80 3/2 15.11 3/2	Ranch 2-story	1296 sf wrkshp
	NOL	,,	7352 Red F0x	0.90	5 0/30/201	0 \$170,000	2010	1,529 \$1	15.11 5/2	2-story	
	Ad	ljo	ining Sales .	Adju	sted						
		Т	ime Acr	es	YB	GLA	Style	Other	Total	% Diff	
							-		\$255,000		
			\$0 \$44,	000	\$7,392	\$5,007	\$5,000	\$15,000	\$252,399	1%	

Adjoining Sales Adjusted

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.



13. 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, 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.

Solar	TAX ID/Address	Acres	Date Sold	Sales Price	Built	GBA	\$/GBA	BR/BA	Park	Style I	Note
Adjoins	13670 Highland	5.00	8/21/2017	\$255,000	1997	1,512	\$168.65	3/3	Carport/Wrkshp	Ranch R	lenov.
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 R	lenov.
Not	2908 Wild West	1.23	7/12/2017	\$254,000	2003	1,554	\$163.45	3/2	2 Garage/Wrkshp	Ranch R	lenov.
Not	13851 Highland	5.00	9/13/2017	\$240,000	1978	1,636	\$146.70	4/2	3 Garage	Ranch R	lenov.

		Adjoinin	g Sales Ad	ljusted						
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 are 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.





14. 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.

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

djoining Ro	esidential Sale	s After Solar	Farm Approved								
Solar	Address	Acre	es Date Sold	Sales Price	Built	GBA	\$/GBA	BR/BA	Park	Style	Other
Adjoins	4380 Joyne	er 12.0	0 11/22/2017	\$325,000	1979	1,598	\$203.38	3/2	2xGar	Ranch	Outbldg
Not	3870 Elkwo	od 5.5	0 8/24/2016	\$250,000	1986	1,551	\$161.19	3/2.5	Det 2xGar	Craft	
Not	8121 Lower R	ocky 18.0	0 2/8/2017	\$355,000	1977	1,274	\$278.65	2/2	2xCarprt	Ranch	Eq. Fac.
Not	13531 Cabar	rus 7.8	9 5/20/2016	\$267,750	1981	2,300	\$116.41	3/2	2xGar	Ranch	
Adjoinin	g Sales Adj	usted									
Time	Acres	YB	Condition	GLA	BR/BA	Ρ	ark	Other	Total	%	Diff
									\$325,00	00	
\$7,500	\$52,000	-\$12,250	\$10,000	\$2,273	-\$2,000	\$2	2,500	\$7,500	\$317,52	23	2%
\$7,100	-\$48,000	\$4,970		\$23,156	\$0	\$3	3,000	-\$15,000	\$330,22	26	-2%
\$8,033	\$33,000	-\$3,749	\$20,000	-\$35,832	\$0	1	\$0	\$7,500	\$296,70)2	9%
									Average	•	3%
	Solar Adjoins Not Not Adjoinin Time \$7,500 \$7,100	Solar Address Adjoins 4380 Joyne Not 3870 Elkwo Not 8121 Lower R Not 13531 Cabar Adjoining Sales Adj Time \$7,500 \$52,000 \$7,100 -\$48,000	Solar Address Acre Adjoins 4380 Joyner 12.0 Not 3870 Elkwood 5.50 Not 8121 Lower Rocky 18.0 Not 13531 Cabarrus 7.80 Adjoining Sales Adjusted Time Acres YB \$7,500 \$52,000 -\$12,250 \$7,100 -\$48,000 \$4,970	Adjoins 4380 Joyner 12.00 11/22/2017 Not 3870 Elkwood 5.50 8/24/2016 Not 8121 Lower Rocky 18.00 2/8/2017 Not 13531 Cabarrus 7.89 5/20/2016 Adjoining Sales Adjusted Time Acres YB Condition \$7,500 \$52,000 -\$12,250 \$10,000 \$7,100 -\$48,000 \$4,970 \$4,970	Solar Address Acres Date Sold Sales Price Adjoins 4380 Joyner 12.00 11/22/2017 \$325,000 Not 3870 Elkwood 5.50 8/24/2016 \$250,000 Not 3870 Elkwood 5.50 8/24/2016 \$250,000 Not 8121 Lower Rocky 18.00 2/8/2017 \$355,000 Not 13531 Cabarrus 7.89 5/20/2016 \$267,750 Adjoining Sales Adjusted Time Acres YB Condition GLA \$7,500 \$52,000 -\$12,250 \$10,000 \$2,273 \$7,100 -\$48,000 \$4,970 \$23,156	Solar Address Acres Date Sold Sales Price Built Adjoins 4380 Joyner 12.00 11/22/2017 \$325,000 1979 Not 3870 Elkwood 5.50 8/24/2016 \$250,000 1986 Not 8121 Lower Rocky 18.00 2/8/2017 \$355,000 1977 Not 13531 Cabarrus 7.89 5/20/2016 \$267,750 1981 Adjoining Sales Adjusted Time Acres YB Condition GLA BR/BA \$7,500 \$52,000 -\$12,250 \$10,000 \$2,273 -\$2,000 \$7,100 -\$48,000 \$4,970 \$23,156 \$0	Solar Address Acres Date Sold Sales Price Built GBA Adjoins 4380 Joyner 12.00 11/22/2017 \$325,000 1979 1,598 Not 3870 Elkwood 5.50 8/24/2016 \$250,000 1986 1,551 Not 8121 Lower Rocky 18.00 2/8/2017 \$335,000 1977 1,274 Not 13531 Cabarrus 7.89 5/20/2016 \$267,750 1981 2,300 Adjoining Sales Adjusted Time Acres YB Condition GLA BR/BA P \$7,500 \$52,000 -\$12,250 \$10,000 \$2,273 -\$2,000 \$2 \$7,100 -\$48,000 \$4,970 \$23,156 \$0 \$3	Solar Address Acres Date Sold Sales Price Built GBA \$/GBA Adjoins 4380 Joyner 12.00 11/22/2017 \$325,000 1979 1,598 \$203.38 Not 3870 Elkwood 5.50 8/24/2016 \$250,000 1986 1,551 \$161.19 Not 8121 Lower Rocky 18.00 2/8/2017 \$355,000 1977 1,274 \$278.65 Not 13531 Cabarrus 7.89 5/20/2016 \$267,750 1981 2,300 \$116.41 Adjoining Sales Adjusted Time Acres YB Condition GLA BR/BA Park \$7,500 \$52,000 -\$12,250 \$10,000 \$2,273 -\$2,000 \$2,500 \$7,100 -\$48,000 \$4,970 \$23,156 \$0 \$3,000	Solar Address Acres Date Sold Sales Price Built GBA \$/GBA BR/BA Adjoins 4380 Joyner 12.00 11/22/2017 \$325,000 1979 1,598 \$203.38 3/2 Not 3870 Elkwood 5.50 8/24/2016 \$250,000 1986 1,551 \$161.19 3/2.5 Not 8121 Lower Rocky 18.00 2/8/2017 \$335,000 1977 1,274 \$278.65 2/2 Not 13531 Cabarrus 7.89 5/20/2016 \$267,750 1981 2,300 \$116.41 3/2 Adjoining Sales Adjusted Time Acres YB Condition GLA BR/BA Park Other \$7,500 \$52,000 -\$12,250 \$10,000 \$2,273 -\$2,000 \$2,500 \$7,500 \$7,100 -\$48,000 \$4,970 \$23,156 \$0 \$3,000 \$15,000	Solar Address Acres Date Sold Sales Price Built GBA \$/GBA BR/BA Park Adjoins 4380 Joyner 12.00 11/22/2017 \$325,000 1979 1,598 \$203.38 3/2 2xGar Not 3870 Elkwood 5.50 8/24/2016 \$250,000 1986 1,551 \$161.19 3/2.5 Det 2xGar Not 8121 Lower Rocky 18.00 2/8/2017 \$355,000 1977 1,274 \$278.65 2/2 2xCarprt Not 13531 Cabarrus 7.89 5/20/2016 \$267,750 1981 2,300 \$116.41 3/2 2xGar Adjoining Sales Adjusted Time Acres YB Condition GLA BR/BA Park Other Total \$7,500 \$52,000 -\$12,250 \$10,000 \$2,273 -\$2,000 \$2,500 \$7,500 \$317,52 \$7,100 -\$48,000 \$4,970 \$23,156 \$0 \$3,000 \$15,000 \$330,22	Solar Address Acres Date Sold Sales Price Built GBA \$/GBA BR/BA Park Style Adjoins 4380 Joyner 12.00 11/22/2017 \$325,000 1979 1,598 \$203.38 3/2 2xGar Ranch Not 3870 Elkwood 5.50 8/24/2016 \$250,000 1986 1,551 \$161.19 3/2.5 Det 2xGar Craft Not 3121 Lower Rocky 18.00 2/8/2017 \$355,000 1977 1,274 \$278.65 2/2 2xGar Ranch Not 13531 Cabarrus 7.89 5/20/2016 \$267,750 1981 2,300 \$116.41 3/2 2xGar Ranch Adjoining Sales Adjusted Time Acres YB Condition GLA BR/BA Park Other Total % \$7,500 \$52,000 -\$12,250 \$10,000 \$2,273 -\$2,000 \$2,500 \$7,500 \$317,523 \$7,100 -\$48,000 \$4,970 <

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 insures 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 Sa	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 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	ng Residential Sal	es After S	olar Farm Bu	ıilt							
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 and within the typical range of real estate transactions. I therefore conclude that these matched pairs show no impact on value.

15. Matched Pair - Yamhill II, Amity, OR



This solar farm has a 1.2 MW output and is located on a 186.60 acre tract using less than 10 of those acres. The project was built in 2011.

I have considered the recent sale of Parcel 11 shown above, which sold on July 22, 2015 after the solar farm was built. The property sold for \$326,456 for a 2.12 acre site with a home built in 1912 with 2,154 s.f. and 4 BR and 2 BA. It was noted as a recently remodeled residence with outbuildings that sold for \$151.56 per square foot. I compared this to a number of similar older residences on similar acreage as shown below.

Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	\$/GBA	BR/BA	Time	Sales	\$/SF
Adjoins	12001 SW Bellevue, Amity	2.12	7/22/2015	\$326,456	1912	2,154	\$151.56	4/2			
Not	19915 SW Muddy, McMinnville	1.82	2/28/2011	\$213,400	1910	1,798	\$118.69	3/2	27%	\$271,018	\$150.73
Not	22600 Hopewell, Salem	1.00	10/15/2014	\$256,000	1910	1,966	\$130.21	3/2	5%	\$268,800	\$136.72
Not	22355 Hopewell, Salem	1.00	11/13/2015	\$320,000	1930	2,592	\$123.46	3/2	-2%	\$313,600	\$120.99
Not	9955 Bethel, Amity	2.86	2/17/2016	\$289,900	1936	2,028	\$142.95	3/2	-4%	\$278,304	\$137.23
Not	3361 Lone Oak, McMinnville	2.91	3/1/2016	\$465,000	1937	2,950	\$157.63	3/2	-7%	\$432,450	\$146.59
										Average	\$138.45
										Median	\$137.23

The sales prices of the comparables were only adjusted for time and provide a range of adjusted values of \$120.99 per square foot to \$150.73 per square foot. The subject property sold for above the high end of this range despite being on the older end of the range of comparables. Considering 9955 Bethel as the most similar in acreage, age and size and the price per square foot which adjusted to the median rate at \$137.23 per square foot. Applying that rate to the subject property square footage, the indicated value is \$295,593 for that matched pair, suggesting a 9% enhancement due to the adjacency to the solar farm.

This set of matched pair data falls in line with the data seen in other states. The home is 700 feet from the closest solar panel.



This solar farm has a 0.3 MW output and is located on a 2-acre portion of a 31.76-acre tract. The project was built in 2014.

I have considered the recent sale of Parcels 5 and 6 shown above, which sold on August 6, 2014 after the solar farm was built for \$259,000, or \$16,444 per acre for a combined 15.75 acres. This was sold as vacant agricultural land with a permitted home site.

I compared this to a number of similar land sales as shown below.

ining Re	esidential Land Sales After So	lar Farm	Approved				1	Adj for	Aajusted	Adjusted
Solar	Address	Acres	Date Sold	Sales Price	\$/Ac	Soils	Homesite	Time	Sales	\$/SF
Adjoins	18916 Butteville, Aurora	15.75	8/6/2014	\$259,000	\$16,444	2&3	Est.			
Not	15961 Wilsonville, Wilsonville	50.50	5/20/2014	\$950,000	\$18,812	2&3	Est.	1.5%	\$964,250	\$19,094
Not	11471 Wilco, Mt. Angel	13.31	11/10/2014	\$159,500	\$11,983	2&4	N/A	-1.5%	\$157,108	\$11,804
Not	Waconda, Salem	11.86	9/9/2015	\$215,000	\$18,128	2	N/A	-6.5%	\$201,025	\$16,950
									Average	\$15,949
									Median	\$16,950

The sales price for the subject property is in line and between the average and median rates from the comparables. The sale at 11471 Wilco is the most similar in terms of acreage, time, and location. The sale on Waconda is similar in size, but newer and required more adjustment. I therefore conclude that no impact due to the proximity of the solar farm.

17. Matched Pair - Clackamas II, Aurora, OR



This solar farm has a 0.22 MW output and is located on a 1-acre portion of a 156.32-acre tract. The project was built in 2014.

I have considered the homesales along SW Fairway Drive both before and after the solar farm was announced to see if there was any impact on total sales price or price per square foot. As can be seen in the chart below, the sales prices continued to trend upward after the announcement and the price per square foot continued to trend upward. These homes are all approximately 125 feet from the closest solar panel.

I adjusted these based on 0.75% per month difference in date of sale to January 1, 2014. The indicated average and median rate are right in line with the sales before and after the solar farm was built. These comparables strongly indicate no impact in sales price.

Adjoining Resi	dential Sales Before and	After Solar	Farm Annour	nced				Adjust	Adjusted	Adjusted
Solar	Address	Acres	Date Sold	Sales Price	Built	GBA	\$/GBA	Time	Sales	\$/SF
Prior	7500 SW Fairway	0.20	12/9/2011	\$365,000	1992	2,435	\$149.90	18.8%	\$433,620	\$178.08
Prior	7580 SW Fairway	0.30	11/21/2012	\$335,000	1990	2,256	\$148.49	11%	\$370,175	\$164.08
Prior	7480 SW Fairway	0.19	6/27/2013	\$365,000	1992	2,244	\$162.66	5%	\$384,345	\$171.28
							\$153.68	Average		\$171.15
								Median		\$171.28
After	7620 SW Fairway	0.27	7/1/2013	\$365,000	1992	2,212	\$165.01	3.8%	\$378,870	\$171.28
After	7700 SW Fairway	0.18	6/11/2014	\$377,100	1991	2,328	\$161.98	-2%	\$371,444	\$159.55
After	7380 SW Fairway	0.19	7/18/2014	\$415,000	1989	2,115	\$196.22	-6%	\$390,100	\$184.44
								Average Median		\$171.76 \$171.28



18. Matched Pair - Grand Ridge Solar, Streator, IL

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

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

Adjoining Residential Sales After Solar Farm Completed											
#	TAX ID	Acres	Date Sold	Sales Price	Built	GBA	\$/GBA				
13	34-21-237-000	2	Oct-16	\$186,000	1997	2,328	\$79.90				
Not Adjoining Resident	ial Sales After So	lar Farm C	ompleted								
#	TAX ID	Acres	Date Sold	Sales Price	Built	GBA	\$/GBA				
712 Columbus Rd	32-39-134-005	1.26	Jun-16	\$166,000	1950	2,100	\$79.05				
504 N 2782 Rd	18-13-115-000	2.68	Oct-12	\$154,000	1980	2,800	\$55.00				
7720 S Dwight Rd	11-09-300-004	1.14	Nov-16	\$191,000	1919	2,772	\$68.90				
701 N 2050th Rd	26-20-105-000	1.97	Aug-13	\$200,000	2000	2,200	\$90.91				
9955 E 1600th St	04-13-200-007	1.98	May-13	\$181,858	1991	2,600	\$69.95				

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

Adjoins Solar Farm

Not Adjoin Solar Farm

	Average	Median	Average	Median
Sales Price/SF	\$79.90	\$79.90	\$75.57	\$74.14
GBA	2,328	2,328	2,494	2,600

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

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



This solar farm has a 2 MW output and is located on a portion of a 56-acre tract. The project was built in 2012.

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

Adjoining Residential Sal	les After Solar Farm Comple	eted					
#	TAX ID	Acres	Date Sold	Sales Price	Built	GBA	\$/GBA
12	64-06-19-326-007.000-015	1.00	Sep-13	\$149,800	1964	1,776	\$84.35
Nearby Residential Sales	After Solar Farm Completed	1					
#	TAX ID	Acres	Date Sold	Sales Price	Built	GBA	\$/GBA
2501 Architect Dr	64-04-32-202-004.000-021	1.31	Nov-15	\$191,500	1959	2,064	\$92.78
336 E 1050 N	64-07-09-326-003.000-005	1.07	Jan-13	\$155,000	1980	1,908	\$81.24
2572 Pryor Rd	64-05-14-204-006.000-016	1.00	Jan-16	\$216,000	1960	2,348	\$91.99
Adjoining Land Sales Afte	er Solar Farm Completed						
#	TAX ID	Acres	Date Sold	Sales Price	\$/AC		
5	64-06-19-200-003.000-015	18.70	Feb-14	\$149,600	\$8,000		
Nearby Land Sales After S	olar Farm Completed						
#	TAX ID	Acres	Date Sold	Sales Price	\$/AC		
	64-07-22-401-001.000-005	74.35	Jun-17	\$520,450	\$7,000		
	64-15-08-200-010.000-001	15.02	Jan-17	\$115,000	\$7,658		

Residential Sale Adjustment Chart

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

2% adjustment/year Adjusted to 2017

	Adjoins Solar Fa	arm	Not Adjoin Solar Farm			
	Average	Median	Aver	age	Median	
Sales Price/SF	\$89.41	\$89.41	\$90	.91	\$91.99	
GBA	1,776	1,776	2,1	07	2,064	

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

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

Land Sale Adjustment Chart

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

2% adjustment/year Adjusted to 2017

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

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

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



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

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

Adjoining Residential Sales After Solar Farm Completed

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

Nearby Not Adjoining Residential Sales After Solar Farm Completed

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

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

2% adjustment/year Adjusted to 2017

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

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