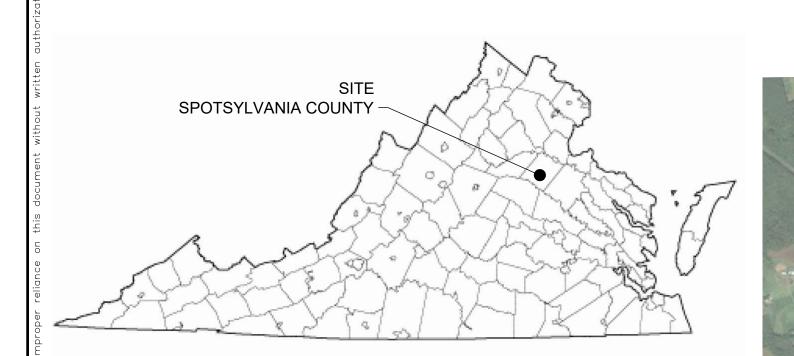
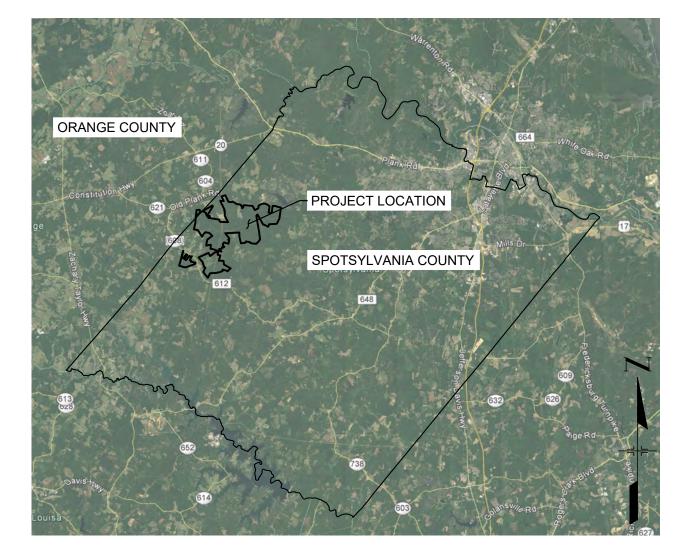
GENERALIZED DEVELOPMENT PLANS

SPOTSYLVANIA SOLAR ENERGY CENTER A SPECIAL USE PERMIT - SUP 18-0001

LIVINGSTON MAGISTERIAL DISTRICT SPOTSYLVANIA COUNTY, VA





VICINITY MAP - SPOTSYLVANIA COUNTY, VA

OWNER/APPLICANT

2180 SOUTH 1300 EAST, SUITE 600 SALT LAKE CITY, UT 84106 PHONE: 801-679-3513 CONTACT: DANIEL MENAHEM EMAIL: DMENAHEM@SPOWER.COM

CIVIL ENGINEER

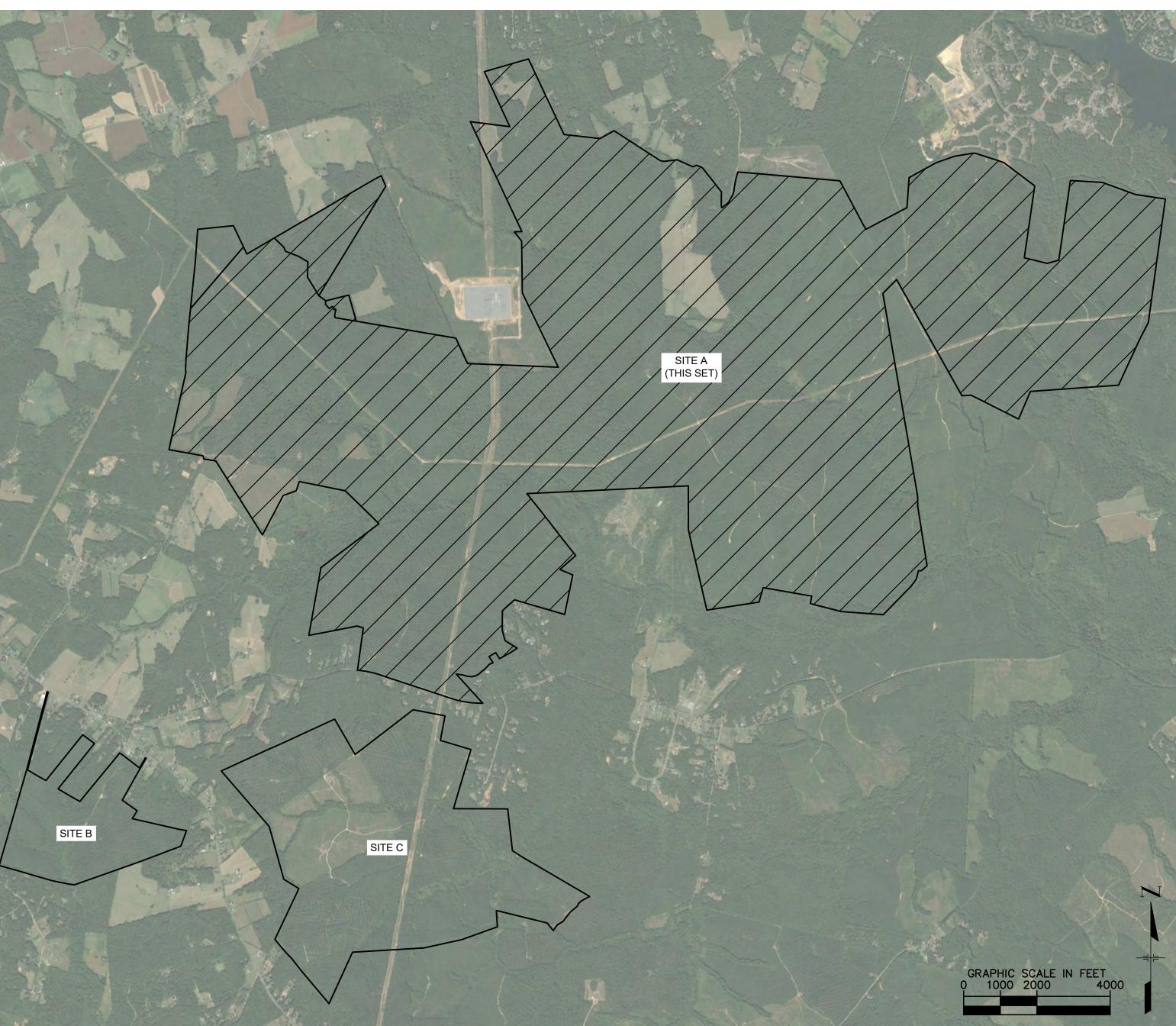
RESTON, VA 20191 PHONE: 703-674-1337

11400 COMMERCE PARK DRIVE, SUITE 400

EMAIL: SEAN.MILLOT@KIMLEY-HORN.COM

SPOTSYLVANIA SOLAR E	ENERGY CENTER
OWNER	sPOWER
EXISTING AND PROPOSED ZONING	AGRICULTURE 3 (A-3)
EXISTING USE	SILVICULTURE
PROPOSED USE	SOLAR ENERGY FACILITY
TOTAL POWER TO BE GENERATED	500 MEGAWATTS AC (MWac)
OVERALL PROJECT SITE DATA:	
PROPERTY AREA	6,350 ACRES
DISTURBED AREA	3,500 ACRES
POWER GENERATED	500 MWac
SITE A DATA:	
PROPERTY AREA	5,200 ACRES
DISTURBED AREA	2,800 ACRES
POWER GENERATED	400 MWac
SITE B DATA:	
PROPERTY AREA	245 ACRES
DISTURBED AREA	200 ACRES
POWER GENERATED	30 MWac
SITE C DATA:	
PROPERTY AREA	905 ACRES
DISTURBED AREA	500 ACRES

POWER GENERATED



VICINITY MAP - PROJECT LIMITS

Sheet No.	Sheet Title
C-01	GENERALIZED DEVELOPMENT PLAN COVER
EX-1-0	GENERALIZED DEVELOPMENT PLAN - OVERALL
EX-1-1	GENERALIZED DEVELOPMENT PLAN - 1
EX-1-2	GENERALIZED DEVELOPMENT PLAN - 2
EX-1-3	GENERALIZED DEVELOPMENT PLAN - 3
EX-1-4	GENERALIZED DEVELOPMENT PLAN - 4
EX-1-5	GENERALIZED DEVELOPMENT PLAN - 5
EX-1-6	GENERALIZED DEVELOPMENT PLAN - 6
EX-1-7	GENERALIZED DEVELOPMENT PLAN - 7
EX-1-8	GENERALIZED DEVELOPMENT PLAN - 8
EX-1-9	GENERALIZED DEVELOPMENT PLAN - 9
EX-2-0	PRESERVATION AREA PLAN
EX-2-1	LANDSCAPE AND BUFFER AREA PLAN
EX-2-2	ACCESS ROAD SERVICE AREAS
EX-2-3	COUNTY TRAIL OVERLAY MAP
CD-1	CIVIL DETAILS
SHEETS 1-17	ALTA SURVEY

OWNER INFORM	IATION - SITE A	PROJECT INFORMATION - SITE A									
OWNER	TAX MAP PARCEL NUMBER	AIRPORTS									
	28-A-71	NO KNOWN AIRPORTS WITHIN A 5-MILE RADIUS OF SITE A.									
	29-A-2A	CULTURAL RESOURCES									
	29-A-2	TWO KNOWN PLACES OF BURIAL ON OR NEAR PROXIMITY OF PROJECT									
	28-A-77	NO HISTORIC BUILDINGS EXIST AT THE PROJECT SITE.									
	16-A-1		RAFFIC INFORI								
	29-A-24	VOLUMES SUBJECT TO RESULTS	CHANGE BASED	ON TRAFFIC IMI	PACT STUDY						
	29-A-25	SEE TRAFFIC IMPACT ANALYSIS AND EXHIBITS FOR ADDITIONAL TRAFFIC DISTRIBUTION AND RECOMMENDATIONS									
RIVEROAK TIMBERLAND INVESTMENTS LLC	29-A-26	PROPOSED CONSTRUCT			R DAY						
INVESTMENTS LLC	29-A-27	I	MPERVIOUS A	REAS*							
	17-A-47		TOTAL	AREA (SF)	AREA (AC)						
	29-A-28	SOLAR PANEL POST** (0.11 SF EACH)	217,680	23,945	0.55						
	29-A-22	INVERTER PAD									
	18-A-15	(40' X 10')	195	78,000	1.79						
	18-A-20	GRAVEL DRIVES	215,439 LF	2,585,268	59.35						
	29-A-7	(12' WIDTH)	<u> </u>	, ,							
CHARLES WOOLFREY	28-A-1	TOTAL IMF	61.69								
CONSTRUCTION INC	28-A-78	TOTAL IMPE		1.19%							
ROBERT S COLEMAN JR	29-A-1	*IMPERVIOUS AREAS SHOONLY, NOT TO BE USED I			ELIMINARY USI						
GARY THOMAS WOOLFREY	28-A-79	**PER DEQ REGULATION PANELS ARE TO BE USE									
GOODWIN BROTHERS	30-A-1	SPACING OF 15' SUBJECT			KLA. AGGGWLL						
LUMBER COMPANY, LLC	18-A-16	WA ⁻									
	17-A-4	TP LOAD REDUCTION RE	377.09								
	17-A-3	ACRES PLACED IN CONS		1,173.01							
MEADOWS ENTERPRISES	17-5-19	***WATER QUALITY VALU	***WATER QUALITY VALUES SHOWN FOR THE SITE ARE FOR								
	17-A-3A	PRELIMINARY USE ONLY	NOT TO BE USE	D FOR DESIGN F	PURPOSES.						
	17-A-48										
MWD PROPERTIES 2009, LLC	17-A-7										

SOLID WASTE DISPOSAL CALCULATIONS FOR CONSTRUCTION

	Step 3: Ide	tific	ation of Collection	Met	hod		Step 2: Determination of Minimum Storage Capacity Determination of Minimum Storage Container and/or Dumpster Size (With Onsite Recycle Program)								
Container Type			into it of a special in												
(Compactors, Roll Off, Dumpsters, Carts)	Size (Cubic Yards)		Number of Containers	Pic	Number of ekups Per Week	Material (Trash or Recycle)	Combined Annual Waste Stream		Cubic Yards Per Ton		Number of Annual Collections		Number of Containers (Minimum		Each Storage Containe or Dumpster
Dumpsters	40 YD		2		1	Trash	waste Stream				(Minimum 52)		2)		(Cubic Yards)
Dumpsters	40 YD		8		2	Recycle	3.25	x	4.44	+	52	+	2	=	0.14
							Determina	tion :	of Minimum Storage C	onta		ster 5	Size (Without I	Recy	ele Programi
Spotsylvania County Non Residential Waste Generation Report The purpose of this report is to calculate the annual waste stream generated from a proposed project and to ensure adequate collection service is provided.					Combined Annual Waste Stream		Cubic Yards Per Ton		Number of Annual Collections (Minimum 52)		Number of Containers (Minimum 1)		Minimum Size of Each Storage Container or Dumpster (Cubic Yards)		
								4		-					
Complete the table for			n of Annual Wast			ea" enter the amount	3.25	X	4,44	+	52 modulion for future	+	1 to recogling	-	0.28
of square feet being o "Annual Waste Gener	Step 1: Determine the proposed project be occupied by each use. Mration Rate" column, and I Tonnage" column and	ing su	abmitted. In the col each square foota list the value in "A	umn l ge fig	abeled "Floor Are ure by the corresp Tonnage" colum	sonding value in the m. Add all values in	Per design standa Sufficient area sh	all be	project must provide ac provided at the collection 1/2 of the total capacity	on ce	modation for future nter to accommoda I for refuse collection	ite a r	minimum of two d 1/2 of the tota	0 (2)	0.28 containers or more
of square feet being o "Annual Waste Gener the "Annual	the proposed project be ecupied by each use. Mr ation Rate" column, and Tonnage" column and Floor Area	ing su	abmitted. In the col each square foota list the value in "A the total next to "C Annual Waste Generation Rate	umn l ge fig	abeled "Floor Are ure by the corresp Tonnage" colum ned Annual Waste Annual Waste	sonding value in the in. Add all values in Stream."	Per design standa Sufficient area sh of equal capacity, recycle collection	all be with	project must provide ac provided at the collection 1/2 of the total capacity	on ce	modation for future inter to accommoda	ite a r	minimum of two d 1/2 of the tota	0 (2)	0.28 containers or more
of square feet being o "Annual Waste Gener the "Annual Building Use	the proposed project be ecupied by each use. Mr ation Rate" column, and I Tonnage" column and Floor Area (square feet)	ing sultiply then	abmitted. In the col each square foota list the value in "A the total next to "C Annual Waste Generation Rate (tons/sq ft)	umn l ge fig	abeled "Floor Are ure by the corresp Tonnage" colum ned Annual Waste Annual Waste	conding value in the m. Add all values in estream."	Per design standa Sufficient area sh of equal capacity,	ard the	project must provide ac provided at the collection 1/2 of the total capacity	on ce	modation for future nter to accommoda I for refuse collection	ite a r	minimum of two d 1/2 of the tota	0 (2)	0.28 containers or more
of square feet being o "Annual Waste Gener (he "Annual Building Use Office	the proposed project be ecupied by each use. Mr ation Rate" column, and Tonnage" column and Floor Area	ing sultiply then enter	abmitted. In the col each square foota list the value in "A the total next to "C Annual Waste Generation Rate (tons/sq ft) 0.0013	umn l ge fig	abeled "Floor Are ure by the corresp Tonnage" colum ned Annual Waste Annual Waste	onding value in the m. Add all values in estream." e Generation Rate Fons) 3.25	Per design standa Sufficient area sh of equal capacity, recycle collection Container Typ (Compactors, R. Off,	e oll	project must provide as provided at the collecti 1/2 of the total capacity Step 3: Ide	on ce	modation for future inter to accommodal for refuse collection	nte a r	minimum of two	o (2) al cap	0.28 containers or more pacity used for Material
of square feet being o "Annual Waste Gener the "Annual Building Use Office Industrial	the proposed project be ecupied by each use. Mr ation Rate" column, and I Tonnage" column and Floor Area (square feet)	ing sultiply then enter	abmitted. In the col each square foota, list the value in "A the total next to "C Annual Waste Generation Rate (tons/sq ft) 0.0013	umn l ge fig	abeled "Floor Are ure by the corresp Tonnage" colum ned Annual Waste Annual Waste	onding value in the m. Add all values in Stream." c Generation Rate Fons) 3.25	Per design standa Sufficient area sh of equal capacity, recycle collection Container Typ (Compactors, R Off, Dumpsters, Car	e oll	project must provide ac provided at the collecti 1/2 of the total capacity Step 3: Ide Size (Cubic Yards)	on ce	modation for future inter to accommodal for refuse collection cation of Collection Number of	nte a r	thod Number of ickups Per Wee	o (2) al cap	0.28 containers or more pacity used for Material (Trash or Recycle
of square feet being o "Annual Waste Gener the "Annual Building Use Office Industrial Food/Retail	the proposed project be ecupied by each use. Mr ation Rate" column, and I Tonnage" column and Floor Area (square feet)	ing studtiply then enter	abmitted. In the col each square foota, list the value in "A the total next to "C Annual Waste Generation Rate (tons/sq ft) 0.0013 0.0016 0.0057	umn l ge fig	abeled "Floor Are ure by the corresp Tonnage" colum ned Annual Waste Annual Waste	onding value in the m. Add all values in .Stream." 2 Generation Rate Fors) 3.25 0 0	Per design standa Sufficient area sh of equal capacity, recycle collection Container Typ (Compactors, R. Off,	e oll	project must provide ac provided at the collecti 1/2 of the total capacity Step 3: Ide	on ce	modation for future inter to accommodal for refuse collection cation of Collection Number of	nte a r	minimum of two d 1/2 of the tota thod Number of	o (2) al cap	0.28 containers or more pacity used for Material
of square feet being o "Annual Waste Gener the "Annual Building Use Office Industrial Food/Retail Public Facility	the proposed project be ecupied by each use. Mr ation Rate" column, and I Tonnage" column and Floor Area (square feet)	ing studtiply then enter	abmitted. In the colveach square foota, list the value in "A the total next to "C Annual Waste Generation Rate (tons/sq ft) 0.0013 0.0016 0.0057 0.00105	umn l ge fig annua ombir	abeled "Floor Are ure by the corresp Tonnage" colum ned Annual Waste Annual Waste	onding value in the m. Add all values in Stream." e Generation Rate tons) 3.25 0.00 0.00	Per design standa Sufficient area sh of equal capacity, recycle collection Container Typ (Compactors, R Off, Dumpsters, Car	e oll	project must provide ac provided at the collecti 1/2 of the total capacity Step 3: Ide Size (Cubic Yards)	on ce	modation for future inter to accommodal for refuse collection cation of Collection Number of	nte a r	thod Number of ickups Per Wee	o (2) al cap	0.28 containers or more pacity used for Material (Trash or Recycle)
of square feet being o "Annual Waste Gener the "Annual Building Use Office Industrial Food/Retail	the proposed project be ecupied by each use. Mr ation Rate" column, and I Tonnage" column and Floor Area (square feet)	ing studtiply then enter	abmitted. In the col each square foota, list the value in "A the total next to "C Annual Waste Generation Rate (tons/sq ft) 0.0013 0.0016 0.0057	umn l ge fig	abeled "Floor Are ure by the corresp Tonnage" colum ned Annual Waste Annual Waste	onding value in the m. Add all values in .Stream." 2 Generation Rate Fors) 3.25 0 0	Per design standa Sufficient area sh of equal capacity, recycle collection Container Typ (Compactors, R Off, Dumpsters, Car	e oll	project must provide ac provided at the collecti 1/2 of the total capacity Step 3: Ide Size (Cubic Yards)	on ce	modation for future inter to accommodal for refuse collection cation of Collection Number of	nte a r	thod Number of ickups Per Wee	o (2) al cap	0.28 containers or more pacity used for Material (Trash or Recycle)

SHEET NUMBER

