

Annapolis Solar Energy Park

City Council Work Session

October 20, 2016



BQ ENERGY, LLC



Topics of Discussion

- Highlights
- Project Summary
- Development Process – Where do we stand?
- Layout
- Schedule
- Economic Development



Highlights

- Annapolis Solar Park is slated to be the largest landfill solar project in the country, 16.8 megawatts (DC)
- BQ Energy and Building Energy will develop, build, own, operate, finance and be responsible for all site construction and maintenance
- Highly qualified team with significant experience building solar projects on closed landfills
- Annual lease payments and electricity savings will be valuable to the City for a many years
- 30% federal tax credit extended through 2019



Project Summary

- BQ and Building Energy are partnering with the City of Annapolis as part of the Annapolis Renewable Energy Park
- We are creating a multi-participant solar energy park that will consist of seven individual solar projects, on 80 acres of the capped Annapolis Landfill
- The City of Annapolis is the “anchor tenant” using net meter aggregation to offset electricity use at multiple locations
- The team is uniquely qualified for this project
 - BQ – leader in solar energy on landfills
 - BE – leader in solar worldwide



The Development Process: Where do we stand?

- Permitting process - all approvals in place
- Power purchase agreements/contracts are being finalized
- Interconnection process almost complete
- Onsite activity is commencing now with full construction to start in the Spring 2017
- On target for generating power for City of Annapolis and others by late Summer 2017



Permit & Approval Status

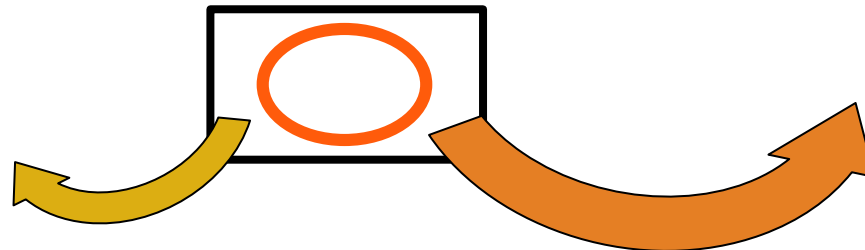
City of Annapolis	Lease	Signed
Anne Arundel County	Grading Permit	Approved
	Forest Conservation Plan	Approved
	Zoning Change	Approved
	Modification	Approved
	Community Meeting	Held
MDE	Authorization For Building on Landfill	Received
Maryland PSC	CPCN Non-Applicability	Received
	Solar Facility Registrations	Will file at start up



BGE Interconnection Plan

Solar Project Plan for two 13.2kV lines:

1. BGE upgrade of existing feeder on Defense Highway – 3 MW AC.
2. A new express (dedicated) feeder to the Bestgate Substation – 9 MW AC.
 - Pull wire through existing conduit out of substation – BGE work
 - Overhead portion – BGE work
 - Underground portion – mixed scope of work: we will design and build an underground conduit along Housley Road, and turn over to BGE ownership. BGE will pull cable through conduit.
 - Some work still being defined and awaiting BG&E contract.

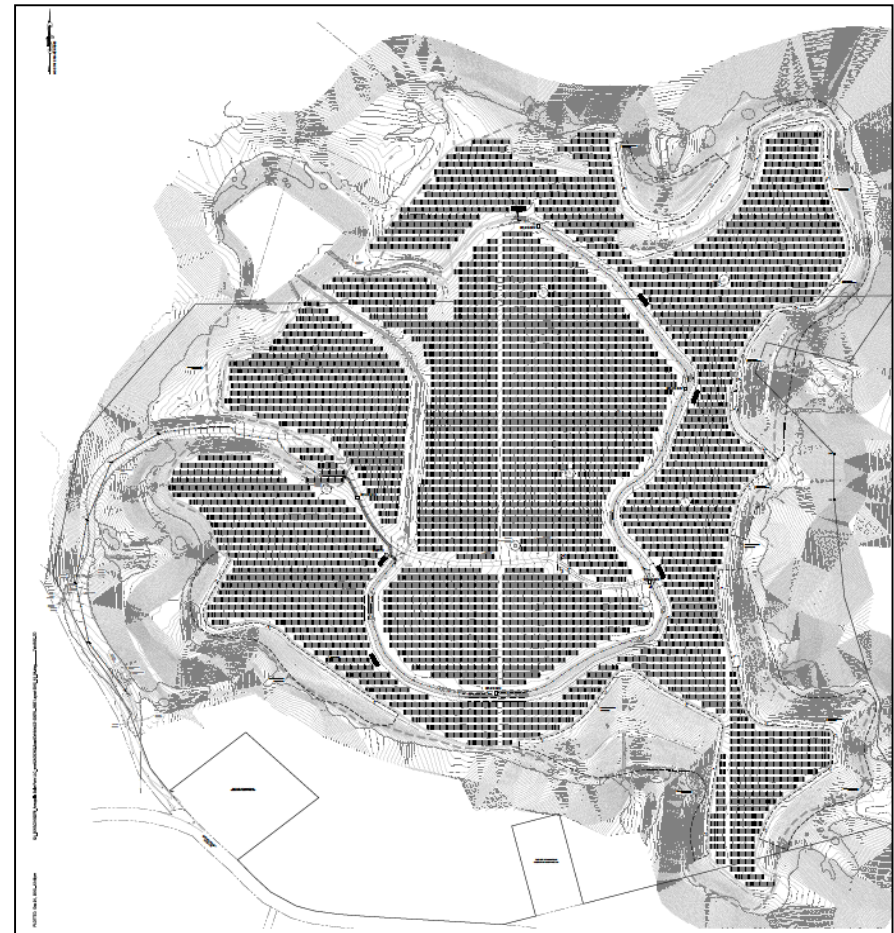


Layout

Site Sketch submitted to
BGE – June 2015



Engineering Design for Grading
Permits - January 2016



Schedule Overview

- BGE Scope Completion – Q4 2016
- Finish PPA Documentation – Q4 2016
- Finalize Construction Contracts – Q4 2016
- Complete Finance Documentation with Banks – Q1 2017
- Obtain Routine Building Permits – Q1 2017
- Construction – Q2 – Q3
- Commissioning – Q3



Economic Development

- +/- \$35 million project cost
- Local procurement is a priority for BQ and Building Energy
- Local firms already engaged:
 - McCrone
 - McCauley Lyman
 - Linowes & Blocher
- Keeping track of all local vendors (see next slide)
- Moving into construction:
 - Negotiating with EPC contractor
 - Stressed the importance of local:
 - Hiring
 - Sub contractors
 - Materials sourcing



Annapolis and Anne Arundel Vendors

Local Business

Annapolis Cigar Co.
 Annapolis Double T Diner
 Anne Arundel County Planning & Zoning
 Anne Arundel County Public Library
 Baltimore Coffee and Tea
 Baltimore Gas & Electric
 California Tortilla
 Ceremony Coffee Roasters
 Chesapeake Exxon
 Chick and Ruth's Delly
 City Dock Coffee
 City of Annapolis
 CVS Pharmacy
 Dunkin' Donuts
 Hard Bean Coffee & Booksellers
 Hats in the Belfry
 Lemongrass
 Linowes & Blocher
 McCauley Lyman LLC
 McCrone
 Middleton Tavern
 Nano Asian Dining
 Naval Bagels
 Noah Hilman Garage
 O'Learys Seafood Restaurant
 Panera Bread
 Pusser's Caribbean Grille
 7-Eleven
 Starbucks
 Uncle Bob's Fudge Kitchen
 Whole Foods Market

Purchase Type

Merchandise
 Food & Beverage
 Permit Fees
 Meeting Room
 Food & Beverage
 Interconnection
 Food & Beverage
 Food & Beverage
 Gasoline
 Food & Beverage
 Food & Beverage
 Rent
 Merchandise
 Food & Beverage
 Food & Beverage
 Merchandise
 Food & Beverage
 Legal
 Legal
 Civil Engineering
 Food & Beverage
 Food & Beverage
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 Parking
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As of September 30, 2016





Questions?