



TerraVerde  
ENERGY

El Dorado County Solar Design Options, Savings Analysis, and Contracting  
El Dorado County Board of Supervisors Meeting 3/5/2019

# Project Status

- ▶ Request for Proposals (RFP) released 10/17/2018
  - ▶ Sent to 145 potential respondents from TerraVerde and County distribution lists
- ▶ Request for Proposals (RFP) responses received 12/11/2018
  - ▶ 14 NOIs, 12 respondents attended site walk, 5 responses received
- ▶ Shortlisted 3 Respondents for interviews held on 1/3/2019
- ▶ Contract negotiations initiated with REC Solar on 1/4/2019
  - ▶ Selected by County based on qualitative and quantitative evaluation criteria specified in RFP
- ▶ Design options for RES-BCT solar field value engineered
- ▶ Developed updated projected financials
- ▶ PPA contract negotiations underway
  - ▶ Still addressing lease provisions, approval of bond counsel, USDA approval



## Public Safety Facility - NEM

- ▶ Designed per County requirements
- ▶ 517 kW system size
- ▶ 25 year net benefit - **\$1,669,000**
  - ▶ Previously \$1,037,000
- ▶ Targeted for parking lot re-opening before facility operation
- ▶ Battery option not proposed based on lack of data



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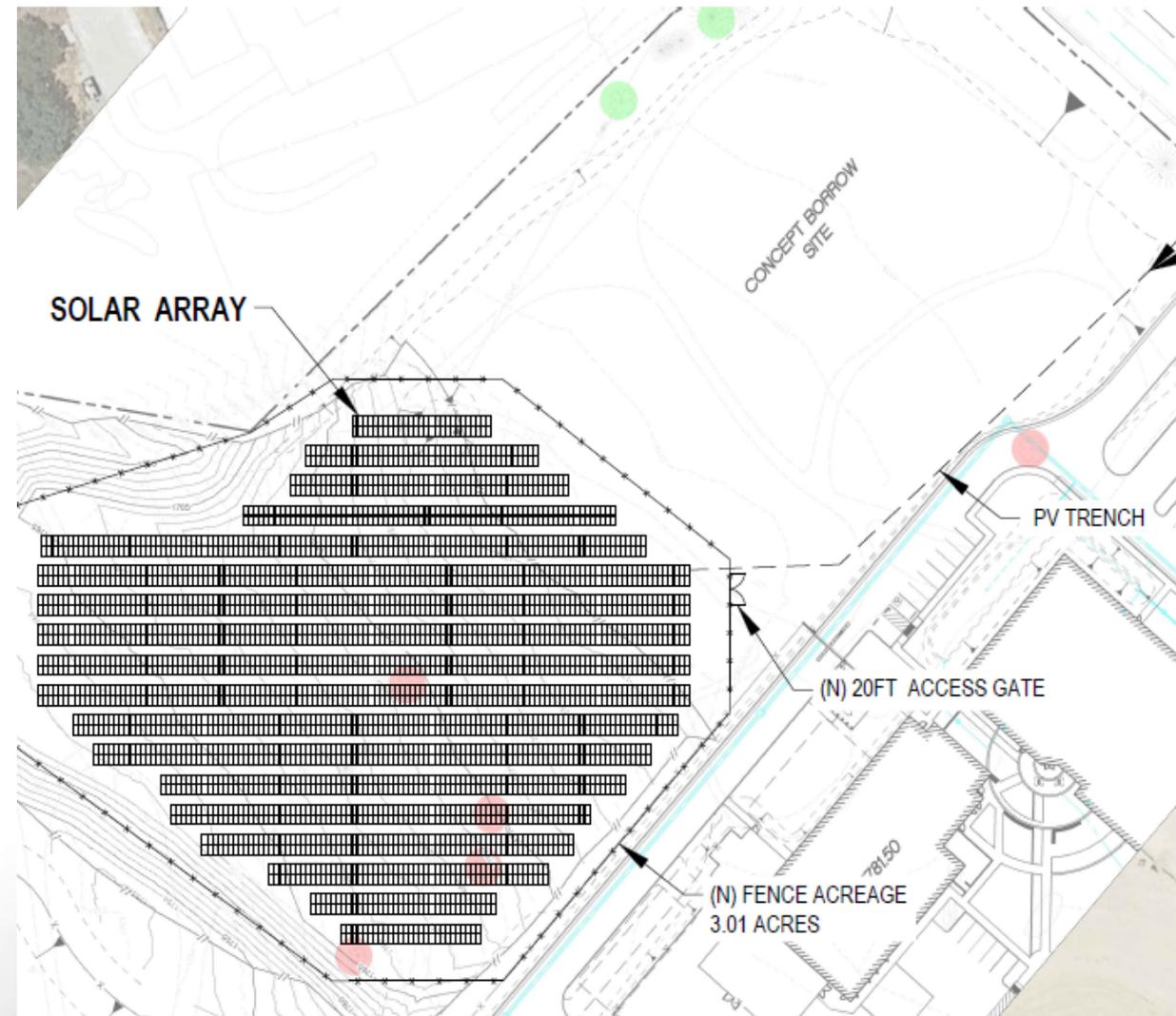
# RES-BCT Option A

- ▶ Designed per County requirements
- ▶ 2,038 kW system size
- ▶ 25 year net benefit - **\$4,288,000**
  - ▶ Previously \$2,333,000



# RES-BCT Option B

- ▶ Value engineered design
- ▶ Preserves approximately 2 acres for future development
- ▶ 1,086 kW system size
- ▶ 25 year net benefit - **\$988,000**

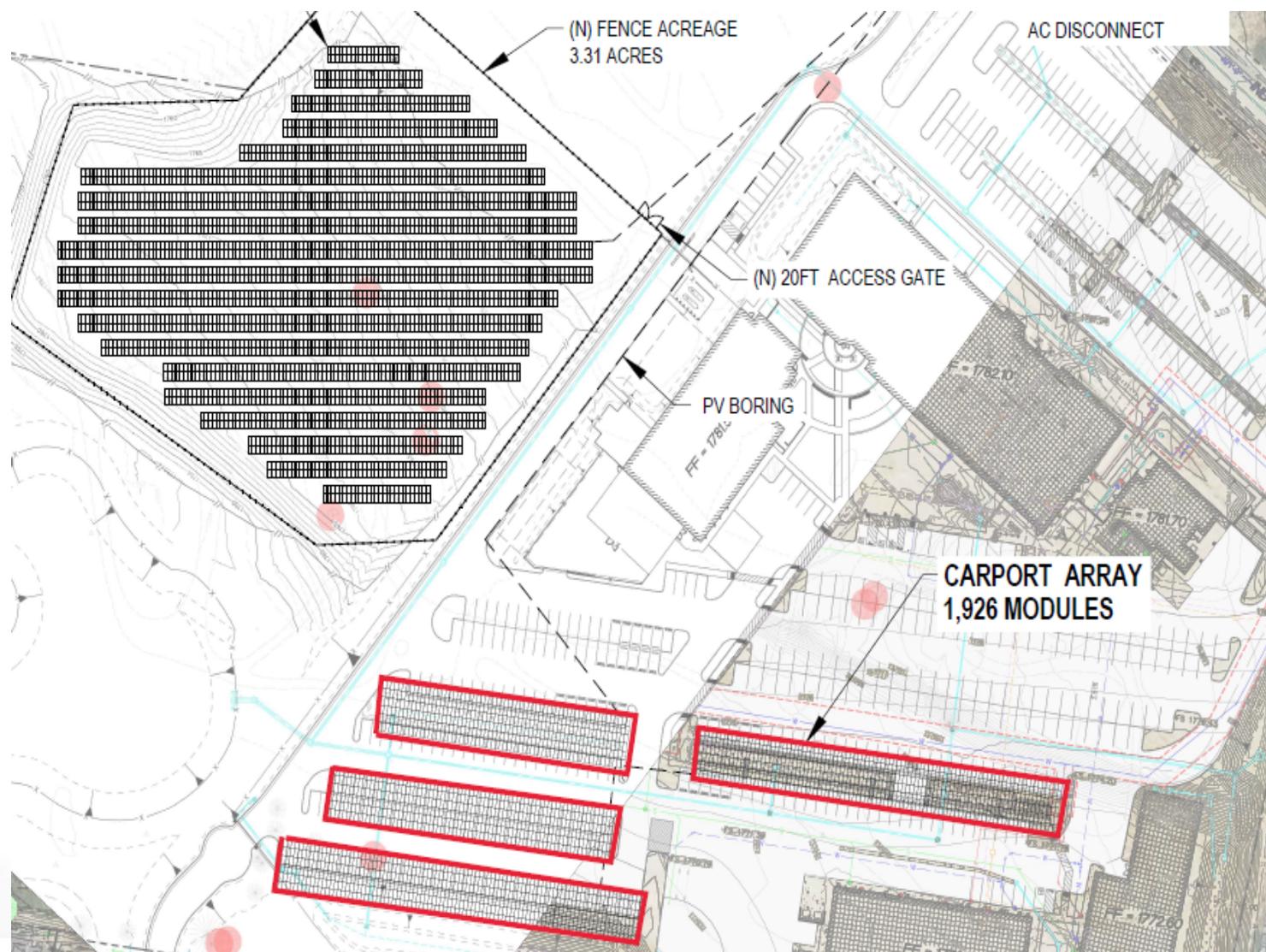


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## RES-BCT Option C

- ▶ Value engineered design
- ▶ Preserves approximately 2 acres for future dev.
- ▶ Bolsters production and savings with additional carport arrays
- ▶ 1,928 kW system size
- ▶ 25 year net benefit - \$1,850,000



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# Contracts

- ▶ Power Purchase Agreement (PPA)
  - ▶ PPA for each site
  - ▶ 25 year term, 0% escalation on PPA rate
  - ▶ Performance guaranteed to 95%, 3 year true up
  - ▶ Negotiations underway – still working through lease provisions, bond counsel approval, and USDA approval.
  - ▶ General Conditions and Technical Specifications Agreed to by Respondent
- ▶ Cost Reimbursement Agreement (CRA)
  - ▶ Reimburse County for cost incurred during the development and construction of solar projects
  - ▶ Agreed to by both parties

# Next Steps

- ▶ Decide on Options for RES-BCT array sizing

## Board of Supervisors meeting 3/19/2019

- ▶ 4217.12 public hearing to receive public comment
  - ▶ Public Notice posted 2 weeks prior
- ▶ 4217.12 Board Resolution
  - ▶ To enter into a contract pursuant to Gov. code 4217.12
  - ▶ Review of findings
- ▶ 4217.12 Agenda Item
  - ▶ Authorizing and Approving the Power Purchase Agreement and other necessary documents with selected Respondent

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# Questions & Answers

