

Area of Concern 7- Edwards Road

Road patch leveling 1 foot over 18 inch concrete culvert.



Area of Concern 8- Edwards Road

Road patch leveling over 32 x 16 inch concrete culvert.



APPENDIX E

**Highland Solar- Truck Load Estimation
September-18**

Solar Panel Truck Estimation

Solar Panels Assumed for Project	1050000
# Solar Panels/Truck	648
Trucks Needed for Solar Panel Delivery	1620 trucks

Notes/Assumptions:

1. Panels are assumed to be 72-cell modules.

Gravel Truck Estimation

Length of Access Road	139392 ft
Width of Access Road	12 ft
Depth of Aggregate for Access Road	0.5 ft
Volume of Access Road Aggregate	836352 cf
Total Gravel Volume of All Access Roads	30976 cy
Trucks Needed for Gravel Delivery	2065 trucks

Notes/Assumptions:

1. Once access layout is finalized, the number, length, width, and depth of access roads will be recalculated.
2. Assumed 15 cy/truck for gravel delivery.

Other Facilities Truck Estimation

Length of Fencing	153120 ft	29 miles
Linear Feet per Truck	10000	
Trucks Needed for Fencing	18 trucks	
Other Facilities	546 trucks	

Notes/Assumptions:

1. Assuming two trucks will be necessary for posts and gates.
2. Number of trucks assumed for other facilities is based off of the assumption from other solar projects that solar panels make up 60% of non-aggregate/earthwork number of trucks needed for project.

Total Estimation of Trucks for Project	4250 trucks
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OTHER SOLAR FARMS IN THE UNITED STATES INDICATE THAT FOR SOLAR PROJECTS, THERE IS AN AVERAGE OF 17-18 TRUCKS PER MW OF POWER. THE HIGHLAND SOLAR PROJECT IS A 300 MW PROJECT. THEREFORE, WE ESTIMATE THAT THERE WILL BE BETWEEN 4250 AND 5000 TRUCKS FOR THE PROJECT.
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Summary: Application Exhibit D (Part 4) electronically filed by Ms. Karen A. Winters on behalf of Hecate Energy Highland LLC