

Pitchess Solar Analysis

Overview Map



Legend

-  Solar Analysis Options
-  Optimal
-  Good
-  Marginal
-  Poor

Pitchess Solar Analysis

Options for Ground Solar PV Installations

	Area (Acres)	Area (sq. feet)	Solar PV Potential (kW)	Electricity Produced (kWh)	Carbon savings (lbs)	Electricity savings (\$)
Option 1	16.707	727,776	10,043	14,964,523	10,834,315	\$3,683,667
Option 2	19.234	837,855	11,562	17,227,968	12,473,049	\$4,240,837
Option 3a	8.206	357,444	4,933	7,349,759	5,321,225	\$1,809,217
Option 3b	13.282	578,580	7,984	11,896,770	8,613,262	\$2,928,509
Option 4	6.360	277,051	3,823	5,696,733	4,124,434	\$1,402,308

Pitchess Solar Analysis

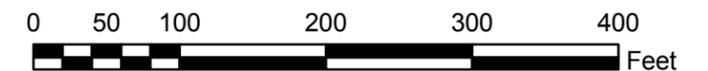
Option 1

Solar Information

Area (Acres)	16.707
Area (sq. feet)	727,776
Solar PV Potential (kW)	10,043
Electricity Produced (kWh)	14,964,523
Carbon savings (lbs)	10,834,315
Electricity savings (\$)	\$3,683,667

Assumptions

- 1 Entire area is suitable for solar
- 2 18.1% Efficient panels, 77% efficient system
- 3 1,490 kWh/ year for each kW installed
- 4 Electricity cost is \$0.34/kWh (peak Edison)
- 5 0.724 lbs of carbon per kWh



Legend

 Solar Option



Pitchess Solar Analysis

Option 2

Solar Information

Area (Acres)	19.234
Area (sq. feet)	837,855
Solar PV Potential (kW)	11,562
Electricity Produced (kWh)	17,227,968
Carbon savings (lbs)	12,473,049
Electricity savings (\$)	\$4,240,837

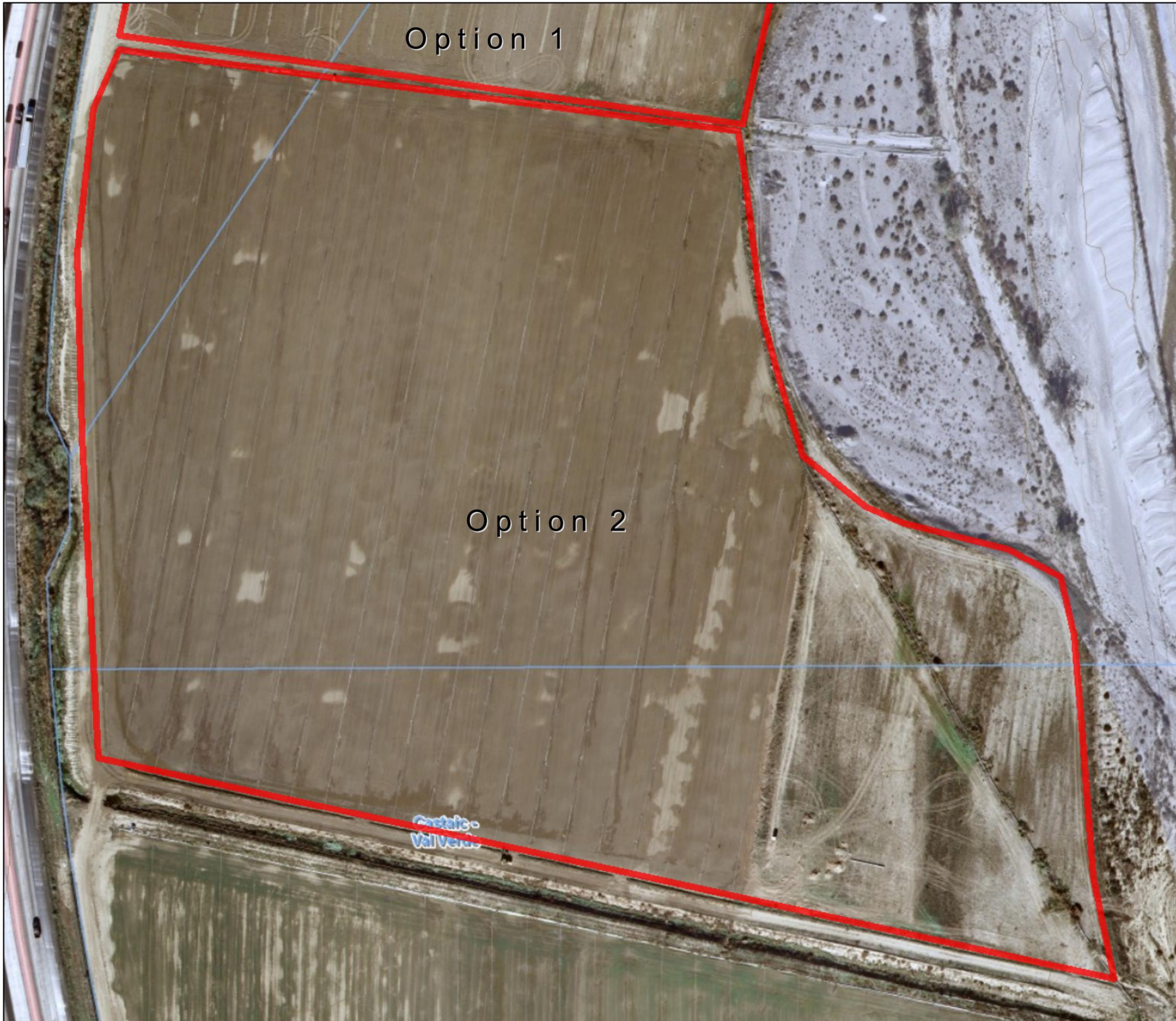
Assumptions

- 1 Entire area is suitable for solar
- 2 18.1% Efficient panels, 77% efficient system
- 3 1,490 kWh/ year for each kW installed
- 4 Electricity cost is \$0.34/kWh (peak Edison)
- 5 0.724 lbs of carbon per kWh



Legend

 Solar Option



Pitchess Solar Analysis

Option 3a

Solar Information

Area (Acres)	8.206
Area (sq. feet)	357,444
Solar PV Potential (kW)	4,933
Electricity Produced (kWh)	7,349,759
Carbon savings (lbs)	5,321,225
Electricity savings (\$)	\$1,809,217

Assumptions

- 1 Entire area is suitable for solar
- 2 18.1% Efficient panels, 77% efficient system
- 3 1,490 kWh/year for each kW installed
- 4 Electricity cost is \$0.34/kWh (peak Edison)
- 5 0.724 lbs of carbon per kWh



Legend

 Solar Option



Pitchess Solar Analysis

Option 3b

Solar Information

Area (Acres)	13.282
Area (sq. feet)	578,580
Solar PV Potential (kW)	7,984
Electricity Produced (kWh)	11,896,770
Carbon savings (lbs)	8,613,262
Electricity savings (\$)	\$2,928,509

Assumptions

- 1 Entire area is suitable for solar
- 2 18.1% Efficient panels, 77% efficient system
- 3 1,490 kWh/ year for each kW installed
- 4 Electricity cost is \$0.34/kWh (peak Edison)
- 5 0.724 lbs of carbon per kWh



Legend

 Solar Option



Pitchess Solar Analysis

Option 4

Solar Information

Area (Acres)	6.360
Area (sq. feet)	277,051
Solar PV Potential (kW)	3,823
Electricity Produced (kWh)	5,696,733
Carbon savings (lbs)	4,124,434
Electricity savings (\$)	\$1,402,308

Assumptions

- 1 Entire area is suitable for solar
- 2 18.1% Efficient panels, 77% efficient system
- 3 1,490 kWh/ year for each kW installed
- 4 Electricity cost is \$0.34/kWh (peak Edison)
- 5 0.724 lbs of carbon per kWh



Legend

 Solar Option

