Value Analysis Calculator for HPP Solar Project Using City Land

		Yr1	Yr2	Yr3	Yr4	Yr5	Yr6	Yr7	Yr8	Yr9	Yr10
BENEFITS											
	Increased revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Reduced costs	272,000	272,000	272,000	272,000	272,000	272,000	272,000	272,000	272,000	272,000
	Avoided costs	0	0	0	0	0	0	0	0	0	0
	Year total	\$272,000	\$272,000	\$272,000	\$272,000	\$272,000	\$272,000	\$272,000	\$272,000	\$272,000	\$272,000
	Cumulative value	\$272,000	\$544,000	\$816,000	\$1,088,000	\$1,360,000	\$1,632,000	\$1,904,000	\$2,176,000	\$2,448,000	\$2,720,000
INVESTMENTS											
	System Interconnection	(\$60,000)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Ongoing Maintenance	(500)	(500)	(500)	(500)	(500)	(500)	(500)	(500)	(500)	(500)
	Year total	(\$60,500)	(\$500)	(\$500)	(\$500)	(\$500)	(\$500)	(\$500)	(\$500)	(\$500)	(\$500)
	Cumulative investment	(\$60,500)	(\$61,000)	(\$61,500)	(\$62,000)	(\$62,500)	(\$63,000)	(\$63,500)	(\$64,000)	(\$64,500)	(\$65,000)
NET VALUE											
	Year total	\$211,500	\$271,500	\$271,500	\$271,500	\$271,500	\$271,500	\$271,500	\$271,500	\$271,500	\$271,500
	Cumulative total	\$211,500	\$483,000	\$754,500	\$1,026,000	\$1,297,500	\$1,569,000	\$1,840,500	\$2,112,000	\$2,383,500	\$2,655,000
	Breakeven point	1st Year									
	ROI	349.59%	791.80%	1226.83%	1654.84%	2076.00%	2490.48%	2898.43%	3300.00%	3695.35%	4084.62%
		Yr11	Yr12	Yr13	Yr14	Yr15	Yr16	Yr17	Yr18	Yr19	Yr20
BENEFITS											
	Increased revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Reduced costs Avoided costs	272,000	272,000	272,000	272,000	272,000 0	272,000	272,000	272,000	272,000	272,000
	Year total	\$272,000	\$272,000	\$272,000	\$272,000	\$272,000	\$272,000	\$272,000	\$272,000	\$2 72,000	\$272,000
	Cumulative value	\$2,992,000	\$3,264,000	\$3,536,000	\$3,808,000	\$4,080,000	\$4,352,000	\$4,624,000	\$4,896,000	\$5,168,000	\$5,440,000
INVESTMENTS											
	System Interconnection Ongoing Maintenance	\$0 (500)									
	Year total Cumulative investment	(\$500) (\$65,500)	(\$500) (\$66,000)	(\$500) (\$66,500)	(\$500) (\$67,000)	(\$500) (\$67,500)	(\$500) (\$68,000)	(\$500) (\$68,500)	(\$500) (\$69,000)	(\$500) (\$69,500)	(\$500) (\$70,000)
		(\$00,500)	(400,000)	(\$55,500)	(\$0.,000)	(\$0.,300)	(400,000)	(400,500)	(403,000)	(400,000)	(\$7.5,000)

\$271,500 \$3,741,000

5583.58%

\$3,741,000,000

\$271,500

5944.44%

\$4,012,500

\$4,012,500,000

\$271,500

6300.00%

\$4,284,000

\$4,284,000,000

\$271,500

6650.36%

\$4,555,500

\$4,555,500,000

\$271,500

6995.65%

\$4,827,000

\$4,827,000,000

\$271,500

\$5,098,500

7335.97%

\$5,098,500,000

\$271,500

7671.43%

\$5,370,000

\$5,370,000,000

Project Detail:

NET VALUE

· Third Party System construction, ownership and maintenance

\$271,500

4467.94%

\$2,926,500

\$2,926,500,000

System Size: 2 MWProjected life 20years

Year total

net return Breakeven point

Cumulative total

- · Estimated Annual System output: 3,500,000 kWh
- · Projected Power Purchase Agreement for Energy: 0.050 kWh
- Energy (\$0.03), capacity (\$0.017), transmission (0.013), REC sales (0.010) offsets based on current markets: 0.070 kWh

\$271,500

5217.29%

\$3,469,500

\$3,469,500,000

- The estimated annual peak offset and subsequent capacity, transmission and REC's offsets = \$272K
- The estimated annual peak offset and subsequent capacity, transmission offset (No REC's) = \$209K
- \cdot System Interconnection is a one time cost of \$60,000.
- System Interconnection ongoing maintenance is \$10,000 over the life of the project or \$500 per year.

\$271,500

4845.45%

\$3,198,000

\$3,198,000,000