

Project	City of Columbia Heights
AC kW	50.00
DC kW	56.20
Y1 kWh	63403
Degradation	0.40%
Build Cost	\$146,400
Build Cost \$/w DC	\$2.60
Discount Rate	5.00%
Current Customer Power Rate	\$0.100
Power Inflation	3%
kWh Offset (171,173)	37%



Normal labor wages apply - not b

**Xcel Energy Photovoltaic Demand Credit Rider**

Performance Based PV Incentive, priced at \$0.071 per kWh generated between the hours of 1:00 PM and 7:00 PM. CREDIT k maximum kWh applied to the Rider credit per kWh each billing period is the Peak Period maximum 15-minute Solar Photov the billing period times 100 hours for billing periods ending in the months of June, July, August or September and 75 hours f ending in other months.

\*\*No Demand savings shown in cash flow

**Top Valu - Cash Flow (with Domestic Content)**

Year	Project Cost	PV Array kWh Generated	\$/kWh Generated	Energy Power Savings	Direct Pay (40% with domestic content adder )	PV Demand Credit	Annual Cash Flow	Cumulative Savings	Year
Year 0	<b>-\$146,400</b>						<b>-\$146,400</b>	<b>-\$146,400</b>	Year 0
Year 1		63,403	\$0.100	\$6,340	\$58,560	\$1,801	\$66,701	<b>-\$79,699</b>	Year 1
Year 2		63,149	\$0.103	\$6,504		\$1,793	\$8,298	<b>-\$71,401</b>	Year 2
Year 3		62,897	\$0.106	\$6,673		\$1,786	\$8,459	<b>-\$62,942</b>	Year 3
Year 4		62,645	\$0.109	\$6,845		\$1,779	\$8,625	<b>-\$54,318</b>	Year 4
Year 5		62,395	\$0.113	\$7,023		\$1,772	\$8,795	<b>-\$45,523</b>	Year 5
Year 6		62,145	\$0.116	\$7,204		\$1,765	\$8,969	<b>-\$36,554</b>	Year 6
Year 7		61,896	\$0.119	\$7,391		\$1,758	\$9,149	<b>-\$27,405</b>	Year 7
Year 8		61,649	\$0.123	\$7,582		\$1,751	\$9,333	<b>-\$18,072</b>	Year 8
Year 9		61,402	\$0.127	\$7,778		\$1,744	\$9,522	<b>-\$8,550</b>	Year 9
Year 10		61,157	\$0.130	\$7,980		\$1,737	\$9,716	\$1,166	Year 10
Year 11		60,912	\$0.134	\$8,186		\$1,730	\$9,916	\$11,082	Year 11
Year 12		60,668	\$0.138	\$8,398		\$1,723	\$10,121	\$21,203	Year 12
Year 13		60,426	\$0.143	\$8,615		\$1,716	\$10,331	\$31,534	Year 13
Year 14		60,184	\$0.147	\$8,838		\$1,709	\$10,547	\$42,082	Year 14
Year 15		59,943	\$0.151	\$9,067		\$1,702	\$10,769	\$52,851	Year 15
Year 16		59,704	\$0.156	\$9,302		\$1,696	\$10,997	\$63,848	Year 16
Year 17		59,465	\$0.160	\$9,542		\$1,689	\$11,231	\$75,079	Year 17
Year 18		59,227	\$0.165	\$9,789		\$1,682	\$11,471	\$86,551	Year 18
Year 19		58,990	\$0.170	\$10,043		\$1,675	\$11,718	\$98,269	Year 19
Year 20		58,754	\$0.175	\$10,303		\$1,669	\$11,971	\$110,240	Year 20
Year 21		58,519	\$0.181	\$10,569		\$1,662	\$12,231	\$122,471	Year 21
Year 22		58,285	\$0.186	\$10,843		\$1,655	\$12,498	\$134,969	Year 22
Year 23		58,052	\$0.192	\$11,123		\$1,649	\$12,772	\$147,741	Year 23
Year 24		57,820	\$0.197	\$11,411		\$1,642	\$13,053	\$160,794	Year 24
Year 25		57,588	\$0.203	\$11,707		\$1,636	\$13,342	\$174,136	Year 25
Year 26		57,358	\$0.209	\$12,009		\$1,629	\$13,638	\$187,775	Year 26
Year 27		57,128	\$0.216	\$12,320		\$1,622	\$13,943	\$201,717	Year 27
Year 28		56,900	\$0.222	\$12,639		\$1,616	\$14,255	\$215,973	Year 28
Year 29		56,672	\$0.229	\$12,966		\$1,609	\$14,576	\$230,548	Year 29
Year 30		56,446	\$0.236	\$13,302		\$1,603	\$14,905	\$245,453	Year 30
	<b>-\$146,400</b>	<b>1,795,779</b>		<b>\$282,293</b>	<b>\$58,560</b>	<b>\$51,000</b>	<b>\$245,453</b>		