

Appendix C - Solar Roof Top Financial Analysis

Estimated Energy Produced (kW) per Consultant Report FIT Contract Revenue Rate (kWh)	TDS		Gerry McCrory Countryside Arena		Pioneer Manor		All 3 Project Sites		All 3 Project Sites Over 20 Years		
	75		245		245		565		Total with no contingency at end of 20 years	Total with 20% contingency at the end of 20 years	
	No contingency	With 20% contingency	No contingency	With 20% contingency	No contingency	With 20% contingency	No contingency	With 20% contingency			
Pessimistic (15% Decrease to Expected Revenues)									Pessimistic		
Estimated Capital Costs	\$299,632	\$359,558	\$812,288	\$974,746	\$776,825	\$932,190	\$1,888,745	\$2,266,494	Total Estimated Capital Costs	\$1,888,745	\$2,266,494
Estimated Annual Revenue	31,085	31,085	97,878	97,878	97,878	97,878	\$226,840	\$226,840	Total Estimated Revenue	\$4,536,790	\$4,536,790
Estimated Annual Operating Costs	3,996	4,795	12,754	15,305	12,979	15,574	\$29,729	\$35,674	Total Estimated Operating Costs	\$594,575	\$713,490
Estimated Annual Net Revenue	\$ 27,088	\$ 26,289	\$ 85,123	\$ 82,573	\$ 84,899	\$ 82,303	\$ 197,111	\$ 191,165	Total Estimated Net Revenue	\$3,942,215	\$3,823,300
Payback in Years	11.06	13.68	9.54	11.80	9.15	11.33	9.58	11.86	Payback in Years	9.58	11.86
Margin of Safety for Breakeven	45%	32%	52%	41%	54%	43%	52%	41%	Expected		
Annual Return on Investment	9.0%	7.3%	10.5%	8.5%	10.9%	8.8%	10.4%	8.4%			
Expected											
Estimated Capital Costs	\$299,632	\$359,558	\$812,288	\$974,746	\$776,825	\$932,190	\$1,888,745	\$2,266,494	Total Estimated Capital Costs	\$1,888,745	\$2,266,494
Estimated Annual Revenue	36,570	36,570	115,150	115,150	115,150	115,150	\$266,870	\$266,870	Total Estimated Revenue	\$5,337,400	\$5,337,400
Estimated Annual Operating Costs	3,996	4,795	12,754	15,305	12,979	15,574	\$29,729	\$35,674	Total Estimated Operating Costs	\$594,575	\$713,490
Estimated Annual Net Revenue	\$ 32,574	\$ 31,775	\$ 102,396	\$ 99,845	\$ 102,171	\$ 99,576	\$ 237,141	\$ 231,196	Total Estimated Net Revenue	\$4,742,825	\$4,623,910
Payback in Years	9.20	11.32	7.93	9.76	7.60	9.36	7.96	9.80	Payback in Years	7.96	9.80
Margin of Safety for Breakeven	54%	43%	60%	51%	62%	53%	60%	51%	Optimistic		
Annual Return on Investment	10.9%	8.8%	12.6%	10.2%	13.2%	10.7%	12.6%	10.2%			
Optimistic (15% Increase to Expected Revenues)											
Estimated Capital Costs	\$299,632	\$359,558	\$812,288	\$974,746	\$776,825	\$932,190	\$1,888,745	\$2,266,494	Total Estimated Capital Costs	\$1,888,745	\$2,266,494
Estimated Annual Revenue	42,056	42,056	132,423	132,423	132,423	132,423	\$306,901	\$306,901	Total Estimated Revenue	\$6,138,010	\$6,138,010
Estimated Annual Operating Costs	3,996	4,795	12,754	15,305	12,979	15,574	\$29,729	\$35,674	Total Estimated Operating Costs	\$594,575	\$713,490
Estimated Annual Net Revenue	\$ 38,059	\$ 37,260	\$ 119,668	\$ 117,118	\$ 119,444	\$ 116,848	\$ 277,172	\$ 271,226	Total Estimated Net Revenue	\$5,543,435	\$5,424,520
Payback in Years	7.87	9.65	6.79	8.32	6.50	7.98	6.81	8.36	Payback in Years	6.81	8.36
Margin of Safety for Breakeven	61%	52%	66%	58%	67%	60%	66%	58%	Optimistic		
Annual Return on Investment	12.7%	10.4%	14.7%	12.0%	15.4%	12.5%	14.7%	12.0%			