

# Johnstown Community YMCA Solar Project Proposal Comparison

Column1	Column2	Column3	Column4	Column5	Column6
Description	Benchmark Electrical Solutions	Custom Solar	Energylink	Photon Brothers	Sandbox Solar
101 KW system	\$ 223,434.00	\$ 198,320.00	\$ 259,499.00	\$ 198,198.00	\$ 266,625.00
Actual AC KW	100	101.015	101	99.880 kw	99
400kw System	\$ 820,000.00		\$ 390,749.00		
# Panels	308	227	?	227	225
	-1200				
Apples to Apples Comp.	\$ 222,234.00	\$ 198,320.00	\$ 259,499.00	\$ 198,198.00	\$ 266,625.00
Federal tax credit/ loan discount/incentives			10-15%	\$ 101,509.00	
Insurance					
Gen Liab.	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,000,000.00
GL Aggregate	\$ 2,000,000.00	\$ 1,000,000.00	\$ 2,000,000.00	\$ 2,000,000.00	\$ 2,000,000.00
Umbrella/ Excess	\$ 5,000,000.00	N/A	\$ 5,000,000.00	\$ 1,000,000.00	\$ 1,000,000.00
Workers Comp	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,000,000.00	?
Prof. Liab	N/a	N/A	\$ 2,000,000.00	N/a	N/A
Project Team	Marcus Lively, Paul Falconer, Jeremiah Thompson	Kay Anderson, Travis Lenberg, Benjamin Amatai	Colin MCarthy, Jeremy Nolan, Luke Dangelser, Derek Davis	John Johnson, Amanda Herrera, Matt Raichart, Connor Welch	Andrew Loyle, Danny Weaver
Company HQ	Windsor	Boulder	Denver	Broomfield	Fort Collins
Bond	\$ 2,000,000.00	\$ 750,000.00	\$ 5,000,000.00	\$ 1,000,000.00	\$ 250,000.00
Bond Aggregate	\$ 6,000,000.00	\$ 1,500,000.00	\$ 5,000,000.00	\$ 2,000,000.00	n/a
Company Founded	2008	2008	?	2013	2015
Using Big Horn Roofing	Yes	Yes	?	Yes	yes
Duration proposed	3 months	2.5 Months	4 months	2.5 months	?
Construction duration	3 weeks	2-4 weeks	2 months	3 weeks	1 week
anticipated completion	1-Feb	13-Feb	?	1-Feb	1-Mar
Brand of Panel	Peimar	Longi	Trinia	Longi	Canadian Solar
Panel Warranty	20 years	12	?	12	12
Linear power warranty	30 years	25	?	25	20
Workmanship warranty		2 years	?	10 years	2 years
Inverter brand	CPS	Solar Edge	Chint	SolarEdge	SolarEdge
Racking brand	k2 system	Unitrack	Technorock	Ecofoot2	Iron rack
educational component	included- \$1,200 above	no	no	yes	
Similar Project experience	yes	yes	yes	yes	yes
from Energylink					
<p>It is also worth mentioning that the 101kW array is not the optimal size for a maximum return on investment. Our analyses show that financing a 380kW array and pairing it with a specifically programmed HVAC controls system provides net positive cash flows from year one, even when considering the cost of financing. This cash flow will be provided to TOJ at the end of this document, and more information will be contained in the auxiliary documents folder.</p>					