



**Property Type:** Multi-family co-op

**Description:**

This estimate is intended to give you an approximation of the size, pricing, and financial benefits of a solar energy system for your roof in order to help you make an informed decision about adopting solar energy. **We estimate that your building could install a solar energy system large enough to offset approximately 100% of your common area annual electricity usage.** In addition to utility bill savings, a solar energy system could save your members money on their federal and state income taxes with the federal and NY solar tax credits and reduce your property taxes with NYC's solar property tax abatement. This proposal includes a financial analysis of how much your building and members could save by purchasing a system. It also includes an overview of how the benefits would be allocated among members and FAQs. Please note that this is a preliminary estimate and solar components vary in size, performance and price. This estimate is for informational purposes only and will likely vary from those proposed by qualified installers who will provide you with no obligation bids through the Here Comes Solar program.

SOLAR ENERGY SYSTEM CHARACTERISTICS	
System Size:	17,325 Watts-DC
Number of Panels:	55
Panel Capacity:	315 Watts-DC
Warranty:	25 years

PROJECTED SYSTEM PERFORMANCE	
Year 1 Energy Production:	20,444 kWh
% of Annual Electricity Offset:	102%
Year One Electricity Savings	\$ 4,843
25-Year Electricity Savings	\$ 165,107
25-Year CO2 Reduction (lbs.)	587,511





## CASH PURCHASE

The following pages outline the estimated costs and savings from a solar energy system.

<b>Total Installed Cost:</b>	<b>\$62,370</b>
NY-Sun Incentive ( <i>pre-payment discount</i> ):	\$10,395
<b>Upfront Cost (<i>amount due to installer</i>):</b>	<b>\$51,975</b>
Federal Tax Credit (30%, <i>may be claimed over 2 yrs</i> ):	\$15,593
State Tax Credit (25%, <i>may be claimed over 5 yrs</i> ):	\$12,994
City Property Tax Abatement (20%, <i>must be claimed over 4 yrs</i> ):	\$10,395
<b>Post-Incentives Cost:</b>	<b>\$12,994</b>

## 25 Year Cash Flow

Year	Solar Energy System Cost (after rebate)	Inverter Replacement	Avoided Cost of Electricity	Federal Tax Credit	NYS Tax Credit	Property Tax Abatement	Balance
0	-\$51,975						-\$51,975
1			\$4,843	\$15,593	\$12,994	\$2,599	-\$15,947
2			\$4,963			\$2,599	-\$8,385
3			\$5,087			\$2,599	-\$699
4			\$5,213			\$2,599	\$7,113
5			\$5,343				\$12,455
6			\$5,475				\$17,931
7			\$5,612				\$23,542
8			\$5,751				\$29,293
9			\$5,894				\$35,187
10			\$6,040				\$41,228
11			\$6,190				\$47,418
12			\$6,344				\$53,762
13			\$6,502				\$60,264
14			\$6,664				\$66,928
15		-\$3,465	\$6,829				\$70,292
16			\$6,999				\$77,291
17			\$7,173				\$84,464
18			\$7,351				\$91,815
19			\$7,534				\$99,348
20			\$7,721				\$107,069
21			\$7,913				\$114,982
22			\$8,109				\$123,091
23			\$8,311				\$131,402
24			\$8,517				\$139,919
25			\$8,729				\$148,649

Payback Period: 4 Years

LIFETIME SAVINGS: \$148,649

INTERNAL RATE OF RETURN: 24%