

JAN

ASSESSMENT OF REPAIRS AND RESTORATION
OF ST. PAUL'S SCHOOL, GARDEN CITY, NEW YORK

2011

Erwin Lobo Bielinski was retained to provide an independent assessment of the condition of St. Paul's School in Garden City, New York, including an analysis of:

- The repairs that would be necessary to stabilize the structure for partial use pending future restoration
- The repairs that would be necessary during a future restoration for full use
- The limitations of the structure for reuse.

We were also asked to review and comment on various documents that have been submitted related to the reuse of the building including:

- Einhorn Yaffee Prescott, PC; Condition Survey and Program Study; February 2, 2002
- Beatty, Harvey & Associates, Architects, Einhorn Yaffee Prescott Architects; Library reuse proposal; April 24, 2002
- Sullivan & Nickel Construction Cost Estimate of Einhorn Yaffee Prescott February 2002 Report; August 1, 2004, November 16, 2004
- Furnstahl Simon Architects; Cost estimate for conversion to public offices and meeting room; April 25, 2006
- Litas Investing, Eskar International; Development Proposal; July 19, 2006
- Litas Investing; Supplemental Submittal; January 3, 2007
- Village of Garden City; Response to Litas Proposal; April 20, 2007
- Litas Investing; Letter of Response; May 7, 2007
- K. Backus & Associates; Analysis of Recommendations; April 16, 2007
- The Nelson New York Operating Company; Mothballing option memo; June 16, 2008
- Report of the Mayor's Committee on St. Paul's; July 2008
- Committee to Save St. Paul's & The Garden City Historical Society; June 29, 2010
- HRH Cost Estimate; November 4, 2010

Thornton Tomasetti

Building Solutions

June
2021

Project

St. Paul's School

286 Stewart Avenue, Garden City, NY

Low-slope Roof Condition Assessment

TT Project #: N21144.00

Prepared For

VILLAGE OF GARDEN CITY

351 Stewart Avenue

Garden City, New York 11530

Prepared By

Thornton Tomasetti

120 Broadway

New York, NY 10271

Phone: 917.661.7800

Fax: 917.661.7801

June 21, 2021

2



Vinny's
Copy

Roof
Report

3

FEB
2025..

Comparative Analysis

Building Alteration and Renovation versus Demolition
Saint Paul's Complex, Garden City, NY 11530

March 30, 2023

2023

Westerman Report

VAKOTA
41 E11th Street, 11 fl.
NY, NY 10003
architecture, PLLC
vakota.com

WESTERMAN
CONSTRUCTION
MANAGEMENT+CONSULTING

LEHR LEHR ENGINEERING, DPC
170 OLD COUNTRY ROAD • MINEOLA, N.Y. 11501
1350 AVENUE OF THE AMERICAS • NEW YORK, N.Y. 10019 • T 212 947.8050

GDPC
GREGORY DIETRICH
PRESERVATION CONSULTING

FENNEL ENGINEERING, PLLC
1250 Broadway 36th floor
New York, NY 10001 | 212-639-9300

- Vinny's Copy -

WESTERMAN

The Village of Garden City

Contract No: 120269

WESTERMAN
CONSTRUCTION CO. INC.
MANAGEMENT+CONSULTING

Report

St. Paul's School

Conceptual Adaptive Re-use Budget

3/7/2023

Prevailing Wage

Line #	CSI	Trade	BUDGET AMOUNT
1	01000	General Conditions/Staffing	\$ 3,664,000
2	01050	General Requirements	\$ 688,000
3	01150	Shoring	\$ 225,000
4	02110	Abatement	\$ 947,100
5	02220	Demolition	\$ 3,002,725
6	03000	Concrete	\$ 200,000
7	04000	Masonry	\$ 7,775,000
8	04400	Stone	\$ 225,000
9	05120	Structural Steel	\$ 500,000
10	05500	Architectural Metal and Glass	\$ 524,000
11	05510	Metal Stairs	\$ 180,000
12	05700	Ornamental Metal	\$ 100,000
13	06400	Architectural Woodwork	\$ 360,000
14	07500	Roofing	\$ 6,200,000
15	07800	Fireproofing	\$ 94,500
16	08000	Doors & Windows	\$ 617,200
17	08100	Metal Doors & Frames	\$ 40,000
18	08710	Finish Hardware	\$ 25,000
19	09250	Drywall & Carpentry	\$ 4,250,000
20	09300	Tile	\$ 60,000
21	09550	Wood Flooring	\$ 300,000
23	09900	Painting	\$ 130,000
24	10162	Toilet Partitions	\$ 16,000
25	10800	Toilet & Bath Accessories	\$ 10,000
26	13900	Fire Protection	\$ 1,045,000
27	14200	Elevators	\$ 300,000
28	15400	Plumbing	\$ 315,000
29	15700	HVAC	\$ 3,237,000
30	16000	Electrical	\$ 3,779,000
31		Total Trades	\$ 38,809,525
32			
33		GC Bond	\$ 750,000
34		GC Insurance 3.00%	\$ 1,164,286
35		GC Overhead and Profit 8.00%	\$ 3,104,762
36		Total:	\$ 43,828,573
37			
38		Escalation 3.00%	\$ 1,314,857
39		Contingency 10.00%	\$ 4,382,857
40			
41		Grand Total	\$ 49,526,287

New Theater Structure \$ 5,000,000

New Pool building \$ 7,000,000

Cover Sheet

Adaptive Re-use:

The Village of Garden City

Contract No: 120269

WESTERMAN
CONSTRUCTION CO. INC.
MANAGEMENT • CONSULTING

St. Paul's School Conceptual Adaptive Re-use Budget

Date: 3/7/2023

Line	CODE TRADE // DESCRIPTION	QTY	U/M	UNIT RATE	TOTAL COST
1					
2	01000 General Conditions/Staffing				
3	Staffing				
4	80 Weeks				
5	Project Manager	80 Wks.	\$	5,400	\$ 432,000
6	Asst. Project Manager	80 Wks.	\$	4,000	\$ 320,000
7	Superintendent	80 Wks.	\$	5,000	\$ 400,000
8	Asst. Superintendent	80 Wks.	\$	4,000	\$ 320,000
9	Admin	80 Wks.	\$	3,600	\$ 288,000
10	Billing	80 Wks.	\$	1,800	\$ 144,000
11	Laborers	80 Wks.	\$	20,000	\$ 1,600,000
12	Safety	80 Wks.	\$	1,250	\$ 100,000
13	Restoration consultant	6 Months	\$	10,000	\$ 60,000
14				\$	-
15				\$	-
16				\$	-
17	Total General Conditions			\$	3,664,000
18					
19	01050 General Requirements				
20					
21	Portable Toilets	18 Ls	\$	1,000	\$ 18,000
22	Field office	18 Mo	\$	5,000	\$ 90,000
23	Site Fence	1,700 Lf	\$	150	\$ 255,000
24	Articulated boom lift for window abatement	10 Wks.	\$	5,000	\$ 50,000
25	Temporary Traffic light system	1 Ls	\$	25,000	\$ 25,000
26	Misc. Material and Equipment	1 Ls	\$	50,000	\$ 50,000
27	Scaffold main stair	1 Ls	\$	200,000	\$ 200,000
30				\$	-
31				\$	-
32	Total General Requirements			\$	688,000
33					
34	01150 Shoring				
36	Make building safe for Asbestos removal	1,000 Hrs.	\$	175	\$ 175,000
37	Misc. Materials	1 Ls	\$	50,000	\$ 50,000
38				Total Shoring	\$ 225,000
39					
40	02110 Abatement				
41					
42	Abate friable insulation & vct in basement	1 Ls	\$	500,000	\$ 500,000
43	Misc. abatement	1 Ls	\$	100,000	\$ 100,000
44	Remove window caulk from boom lift	390 Ea	\$	890	\$ 347,100
45				\$	-
46	Total Abatement			\$	947,100
47					
48	02220 Demolition				
49					
50	Basement clean out	25,690 Sf	\$	10	\$ 256,900
51	Remove all non-bearing partitions, ceilings and flooring 1st floor	25,769 Sf	\$	25	\$ 644,225
52	Remove all non-bearing partitions, ceilings and flooring 2nd floor	24,477 Sf	\$	25	\$ 611,925
53	Remove all non-bearing partitions, ceilings and flooring 3rd floor	22,908 Sf	\$	25	\$ 572,700
54	Remove all non-bearing partitions, ceilings and flooring 4th floor	14,664 Sf	\$	25	\$ 366,600
55	Remove all non-bearing partitions, ceilings and flooring 5th floor	3,675 Sf	\$	25	\$ 91,875
56	Remove all finishes garrets, clock tower	1 Ls	\$	300,000	\$ 300,000
57	Remove Windows	634 Ea	\$	250	\$ 158,500
58				\$	-
59	Total Demolition			\$	3,002,725

The Village of Garden City

Contract No: 120269

WESTERMAN
CONSTRUCTION CO. INC.
MANAGEMENT • CONSULTING

St. Paul's School Conceptual Adaptive Re-use Budget

Date: 3/7/2023

Line	CODE TRADE // DESCRIPTION	QTY	U/M	UNIT RATE	TOTAL COST
61	03000 Concrete				
62					
63	Stair tower footings	8 Ea		\$ 10,000	\$ 80,000
64	Pads for heat pumps	12 Ea		\$ 10,000	\$ 120,000
65				Total Concrete	\$ 200,000
66					
67	04000 Masonry				
68	Scaffold entire building	125,000 Sf		\$ 15	\$ 1,875,000
69	General repointing/façade maintenance	65,000 Sf		\$ 40	\$ 2,600,000
70	Rebuild dormers window/structure	20 Ea		\$ 30,000	\$ 600,000
71	Replace stones	100 Ea		\$ 7,000	\$ 700,000
72	Jahn Mortar stone	300 Ea		\$ 300	\$ 90,000
73	Repair clock tower	1 Ls		\$ 450,000	\$ 450,000
74	Repoint interior brick 50%	32,000 sf		\$ 30	\$ 960,000
75	Misc. interior masonry repair	1 Ls		\$ 100,000	\$ 100,000
77	Repair joist pockets	4,000 Ea		\$ 100	\$ 400,000
78				Total Masonry	\$ 7,775,000
79					
80	04400 Stone				
81					
82	Repair replace stair treads	150 Ea		\$ 1,500	\$ 225,000
83					\$ -
84				Total Stone	\$ 225,000
85					
86	05120 Structural Steel				
87					
88	Misc. Structural steel repair	1 Ls		\$ 100,000	\$ 100,000
89	Repair stair towers	10 land		\$ 40,000	\$ 400,000
90					\$ -
91				Total Structural Steel	\$ 500,000
92					
93	05500 Architectural Metal and Glass				
94					
95	Scaffolding chapel inside	7,000 Sf		\$ 12	\$ 84,000
96	Remove restore reinstall stained glass	22 Ea		\$ 20,000	\$ 440,000
97					\$ -
98					\$ -
99				Total Arch. Metal and Glass	\$ 524,000
100					
101	05510 Metal Stairs				
102	Reinforce and repair stairs	800 Hrs.		\$ 175	\$ 140,000
103	Materials	1 Ls		\$ 40,000	\$ 40,000
104					\$ -
105				Total Metal Stairs	\$ 180,000
106					
107	05700 Ornamental Metal				
108	Misc. Ornamental metal repair (skylight etc.)	1 Ls		\$ 100,000	\$ 100,000
109				Total OM	\$ 100,000
110					

St. Paul's School
Conceptual Adaptive Re-use Budget

Date: 3/7/2023

3

Line	CODE TRADE // DESCRIPTION	QTY	U/M	UNIT RATE	TOTAL COST
111	06400 Architectural Woodwork				
112					
113	Repair interior wood work	1,200	Hrs.	\$ 200	\$ 240,000
114	Repair entry doors	6	Ea	\$ 20,000	\$ 120,000
115					\$ -
116				Total Arch. Woodwork	\$ 360,000
117					
118	07500 Roofing				
119	Re-roof main roof	26,000	Sf	\$ 100	\$ 2,600,000
120	Re-roof mansards	30,000	Sf	\$ 110	\$ 3,300,000
121	New gutter and leaders	1	Ls	\$ 300,000	\$ 300,000
122				Total Roofing	\$ 6,200,000
123					
124	07800 Fireproofing				
125	Misc. Firestopping	700	Hrs.	135 \$	94,500
126					
127				Total Fireproofing	\$ 94,500
128					
129	08000 Windows				
130	New windows	50	Ea	\$ 3,000	\$ 150,000
131	Board up other window locations	584	Ea	\$ 800	\$ 467,200
132					\$ -
133				Total Doors & Windows	\$ 617,200
134					
135	08100 Metal Doors & Frames				
136	Pair door and frame	10	Ea	\$ 2,000	\$ 20,000
137	Single	20	Ea	\$ 1,000	\$ 20,000
138					
139				Total Metal Doors & Frames	\$ 40,000
140					
141	08710 Finish Hardware				
142					
143	Sets of hardware	25	Ea	\$ 1,000	\$ 25,000
144					\$ -
145					
146				Total Finish Hardware	\$ 25,000
147					
148	09250 Drywall & Carpentry				
149	Replace joists	2,000	Ea	\$ 1,000	\$ 2,000,000
150	plywood sub floor throughout (50%)	50,000	Sf	\$ 15	\$ 750,000
151	2 layer 3/4" GWB fire stop ceiling	33,000	Sf	\$ 30	\$ 990,000
152	Drywall partition	200	Lf	\$ 250	\$ 50,000
153	Drywall furring	2,000	Lf	\$ 200	\$ 400,000
154	Install doors and hardware	40	Ea	\$ 1,500	\$ 60,000
155					\$ -
156					\$ -
157					
158				Total Drywall & Carpentry	\$ 4,250,000
159					
160	09300 Tile				
161					
162	Bathrooms	4	Ea	\$ 15,000	\$ 60,000
163					\$ -
164				Total Tile	\$ 60,000
165					
166					

The Village of Garden City

Contract No: 120269

St. Paul's School
Conceptual Adaptive Re-use Budget

WESTERMAN
CONSTRUCTION CO. INC
MANAGEMENT-CONSULTING

Date: 3/7/2023

Line	CODE TRADE // DESCRIPTION	QTY	U/M	UNIT RATE	TOTAL COST
167	09550 Wood Flooring				
168					\$ -
169	Engineered wood flooring	20,000	Sf	\$ 15	\$ 300,000
170					\$ -
171				Total Wood Flooring	\$ 300,000
172					
173					
174	09900 Painting				
175					
176	paint drywall	30,000	Sf	\$ 2	\$ 60,000
177	Paint ceilings	35,000	Sf	\$ 2	\$ 70,000
178					
179				Total Painting & Wallcovering	\$ 130,000
180					
181	10162 Toilet Partitions				
182	Toilet partitions	8	Ea	\$ 2,000	\$ 16,000
183					\$ -
184				Toilet Partitions	\$ 16,000
185	10800 Toilet & Bath Accessories				
186					
187	Toilet & Bath Accessories	1	Is	\$ 10,000	\$ 10,000
188					\$ -
189				Toilet Accessories	\$ 10,000
190					
191	13900 Fire Protection				
192					
193	New Sprinkler distribution throughout	1,300	Heads	\$ 650	\$ 845,000
194	Standpipe Siamese and check	1	Is	\$ 200,000	\$ 200,000
195				Total Fire Protection	\$ 1,045,000
196					
197	14200 Elevators				
198	New elevator	4	Stops	\$ 75,000	\$ 300,000
199					\$ -
200				Total Elevators	\$ 300,000
201					
202	15400 Plumbing				
203					
204	New service	1	Is	\$ 50,000	\$ 50,000
205	Main waste	200	Lf	\$ 500	\$ 100,000
206	New Domestic water and detector check	1	Ls	\$ 75,000	\$ 75,000
207	Fixtures	18	Ea	\$ 5,000	\$ 90,000
208					\$ -
209					\$ -
210				Total Plumbing	\$ 315,000
211					

St. Paul's School
Conceptual Adaptive Re-use Budget

Date: 3/7/2023

Line	CODE TRADE // DESCRIPTION	QTY	U/M	UNIT RATE	TOTAL COST
212	15700 HVAC				
213					
214	piping LL	600	Lf	\$ 200	\$ 120,000
215	piping 1	600	Lf	\$ 200	\$ 120,000
216	Piping 2	600	Lf	\$ 200	\$ 120,000
217	Piping 3	600	Lf	\$ 200	\$ 120,000
218	Piping 4	500	Lf	\$ 200	\$ 100,000
219	Piping 5	200	Lf	\$ 200	\$ 40,000
220	Fan coil units LL	30	Ea	\$ 3,000	\$ 90,000
221	Fan coil units 1	30	Ea	\$ 3,000	\$ 90,000
222	Fan coil units 2	30	Ea	\$ 3,000	\$ 90,000
223	Fan coil units 3	30	Ea	\$ 3,000	\$ 90,000
224	Fan coil units 4	15	Ea	\$ 3,000	\$ 45,000
225	Fan coil units 5	4	Ea	\$ 3,000	\$ 12,000
226	Air source heat pumps	12	Ea	\$ 125,000	\$ 1,500,000
227	Controls	1	Ls	\$ 100,000	\$ 100,000
228	RTU unit (ventilation and heat recovery) and allowance for duct	2	Ea	\$ 75,000	\$ 150,000
229	Ductwork	1,500	Lf	\$ 300	\$ 450,000
230				\$	-
231				\$	-
232				\$	-
233				\$	-
234				\$	-
235				Total HVAC	\$ 3,237,000
236					
237	16000 Electrical				
238					
239	New electrical distribution and main switch	1	Is	\$ 350,000	\$ 350,000
240	Lighting and general electric to useable areas	33,000	sf	\$ 35	\$ 1,155,000
241	Lighting and general electric to future areas	90,000	sf	\$ 15	\$ 1,350,000
242	Temporary power and light	125,000	Sf	\$ 5	\$ 625,000
243	Power to FCU	12	Ea	\$ 5,000	\$ 60,000
244	Power to air source heat pumps	139	Ea	\$ 1,000	\$ 139,000
245	Site lighting	1	Is	\$ 100,000	\$ 100,000
246				\$	-
247				\$	-
248				Total Electrical	\$ 3,779,000

- WESTERMAN -

The Village of Garden City

Contract No: 120269

WESTERMAN
CONSTRUCTION CO. INC.
MANAGEMENT CONSULTING

Report

FACADISM

St. Paul's School

Conceptual Facadism Budget

3/7/2023

Prevailing Wage

Line #	CSI	Trade	BUDGET AMOUNT
1	01000	General Conditions/Staffing	\$ 1,882,600
2	01050	General Requirements	\$ 652,000
3	01150	Shoring	\$ 525,000
4	02110	Abatement	\$ 947,100
5	02220	Demolition	\$ 7,965,000
6	03000	Concrete	\$ 900,000
7	04000	Masonry	\$ 3,080,000
9	05120	Structural Steel	\$ 5,400,000
11	05510	Metal Stairs	\$ 160,000
13	06400	Woodwork Salvage	\$ 1,333,250
14	07500	Roofing	\$ 2,700,000
15	07800	Façade system	\$ 3,000,000
16	08000	Windows	\$ 240,000
17	08100	Stained Glass Salvage	\$ 354,000
19	09250	Drywall & Carpentry	\$ 4,180,000
26	13900	Fire Protection	\$ 228,000
28	15400	Plumbing	\$ 175,000
29	15700	HVAC	\$ 1,700,000
30	16000	Electrical	\$ 1,066,000
31		Total Trades	\$ 36,487,950
32			
33		GC Bond	\$ 600,000
34		GC Insurance 3.00%	\$ 1,094,639
35		GC Overhead and Profit 8.00%	\$ 2,919,036
36		Total:	\$ 41,101,625
37			
38		Escalation 3.00%	\$ 1,233,049
39		Contingency 10.00%	\$ 4,110,162
40			
41		Grand Total	\$ 46,444,836

Integrate new building into existing façade :

with space frame and tensile bubble structure and monumental skylight

100,000 Square feet

\$ 1,200 \$ 120,000,000

\$ 166,444,836

- FACADISM -



**ST PAUL'S
BCI CONTRACT
AGREEMENT**



VILLAGE OF GARDEN CITY, NY

PARKS & RECREATION NEEDS ASSESSMENT & ST. PAUL'S USE PLAN

This agreement is made between the Village of Garden City, NY

(Owner or Village) and Brandsletter Carroll Inc. (Consultant)

whereas the consultant proposes to prepare a Parks and Recreation

Needs Assessment and the St. Paul's School Reuse plan 3/28/24





INSTALLATIONS • INSPECTIONS • SERVICE

Fire Sprinkler Building.

Page 1 of 2

January 14, 2025

Old World Quality Corp
136 Cherry Valley Ave
West Hempstead, NY 11552

TEL: 516-286-8417
EMAIL: vinnyowqc@yahoo.com

Attn: Vincent Muldoon

BUDGET

Re: St. Paul's School Renovation
Garden City, NY

Dear Sir,

We are pleased to submit the following cost proposal for the above-mentioned project for the sum of (\$1,550,000.00) ONE MILLION FIVE HUNDRED FIFTY THOUSAND DOLLARS.

Scope of work as follows:

1. Engineered drawings/Fire hydrant flow test.
2. File with Nassau County Fire Marshal.
3. Permit
4. Approved Drawings and submittals
5. NFPA 13 sprinkler system throughout including:
 - a. Pendant Sprinkler heads.
 - b. Pipes, fittings, Hangers.
 - c. Floor Control Valves
 - d. Alarm Valve
 - e. Fire Hose Valves
 - f. Dry Pipe Valve
 - g. steel pipe Sch 40 and Sch 10
 - h. Signage
 - i. Core Drilling
 - j. Pre-Vailing Wage
 - k. Pretesting
 - l. Fire marshal testing and signoff.
 - m. As builts/instruction manuals

Ballpark
only -
No plans

6. Drawings used in preparation to bid: "A" November 2024 dated with specs.

7. This Budget is based on Value Engineering.

8. At time of signing, payment schedule will apply.

9. Bid Budget must be signed and returned.

10. NO FINAL INSPECTION will be scheduled until project is paid in full. If retainage is held on project retainage must be paid in full within 30 days from final inspection with the local fire marshal.

Exclusions

1. Overtime.
2. Acceleration plans Review.
3. Refiling Fees
4. Engineering fees due to construction changes in design that are not reflected on engineered drawings submitted and approved by the Fire Marshal.
5. Engineer Site Visit.
6. Architectural drawings
7. Entire Building sprinkler plans.
8. Interstitial spaces
9. Fire Pump.
10. Dry System.
11. Painting, cleaning or preparing pipe or devices.
12. Electrical wiring for any and all electrical devices.
13. Adequate heat to prevent system from freezing.
14. Fire stopping.
15. Seismic bracing.
16. Fire Extinguishers.
17. Service and Meters.
18. Provide electric.
19. Bond.
20. Pump Pads.
21. Phasing.
22. Insulation on pipe(s).
23. Union Issues.
24. To provide Additional insured coverage/wavier of subrogation.
25. OCP Policy.

Note: Please be advised that upon signing the buyer is in agreement to Titan's terms and conditions. Titan Fire Sprinklers INC. reserves the right to charge a 10% late fee on all invoices that exceed 30 days past due thereafter. The buyer will be responsible to pay Titan Fire Sprinklers any legal fees, collection fees, lien fees, and any other fees that may occur in the attempt of Titan to collect any money due to the failure of the buyer to pay.

Budget pricing will expire 30 days from which is dated.

Please sign at the bottom where indicated and fax back for approval.

Payment schedule will apply upon signing this Budget. Balance to be paid in full before final inspection with local Fire Marshal.

After your review and your approval (with signature) of this Budget a contract to follow.

Print Name/Title _____

Titan's Authorized Signature
SR/Id

Signature of Authorization/Buyer

Date

PAL

ST Pauls -

From: Daniel Colasuonno <dc@titangroupny.com>

Sent: Thursday, December 5, 2024 1:33:19 PM

To: Jaroslaw Stankiewicz

Cc: Aric Domezick; PAL Estimating; PAL Estimating

Subject: Re: St Paul's School - Abatement Budget

Jaroslaw,

How about loose paint chips on walls and floor? I assume you would capture this during the pre abatement cleaning and go out as ACM?

Danny

- Abatement -

On Dec 5, 2024, at 11:21 AM, Jaroslaw Stankiewicz

<jstankiewicz@palcorp.com> wrote:

Good morning,

NO lead paint removal

X

I looked at the drawings you sent. I believe a good budget would be \$2.0M - \$2.5M.

A couple of things I considered:

1. I excluded lead work as lead paint normally does not impact demolition activities.
2. Caulk was listed as 250 SF. I presumed this equals 6,000 LF.
3. I included universal waste.

<image001.png>

Jaroslaw Stankiewicz
PAL Environmental Services
11-02 Queens Plaza S
Long Island City, NY 11101
Tel.: (718)349-0900
Fax: (718) 349-2800

BALL PARK
only

Disclaimer

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"Engineering for Your Future"

St Paul's

February 4, 2025

- **Estimated Roofing Costs**

X **MANSARD
SLATE**

Estimated Approx. 65,000 sq. ft @ \$65.00 = \$4,225,000

X **FLAT ROOF AREA**
SBS membrane

35,000 sq. ft @ \$40.00 =
Add for asbestos removal

Estimated

\$	1,400,000
	350,000
\$	1,750,000

WINDOWS

Total of 663 window units. The average window size is 3'6" X 8'0".

X 1. **ALUMINUM** – Historical High Efficiency

Skyline Windows, Bronx NY

Supply only approx. \$3,500 per unit.

X 2. **WOOD** – Metal Clad Historical High Efficiency

Windows We Are, Brooklyn.

They are a Landmark Contractor and estimate to supply and install cost of \$5,000 per unit and up to \$8,000 depending on features



"Engineering for Your Future"

Ballpark only
Roofing +
Facade
Repairs

St Paul's School – Cost Estimates

February 4, 2025

Estimated Repair Costs to Date

Façade Costs

	<u>KNS Building Restoration</u>	<u>Summit W.P. & Restoration</u>
1. Pipe Scaffold	\$10 psf	\$10 psf
2. Brick Pointing	\$20 psf	\$20 psf
3. Brick Replacement	\$90 – 125 psf	\$80 – \$90 psf
4. Cleaning	\$20 psf	\$20 psf
5. Stone Repair	\$500 psf	\$600 psf
6. Stone Replacement	\$5,000 – \$6,000 ea.	\$5,000 – \$6,000 ea.

Roofing

Flat roof (Inc. removal)	\$38 psf	\$50 psf
Asbestos removal	(–) psf	\$20 psf ✓
Mansard - slate	\$65 psf	\$90 psf

General Conditions

20%

30%

- **Façade repairs based on the unit prices quoted are estimated at \$7,500,000**

Geothermal

SYSTEM SIZING

Based on information provided by the Board, the Facility's existing HVAC systems appear to be sized for peak heating and cooling loads of 178 tons. To help meet these needs with geothermal, we have sized a ground loop heat exchanger (GLHE) consisting of **65 boreholes to depths of 500 ft.**, which would yield approximately 185.8 tons of heating and cooling capacity (based on conservative thermal conductivity assumptions), which would account for roughly 104% of the system's projected peak load.

COST ESTIMATE

This is a rough-order-of-magnitude ("ROM") cost range for the installation of a geothermal system being provided at your request for discussion purposes only. The ROM is based on public domain and provides information such as building areas, envelope efficiency, drillable areas, and estimated bedrock depth. This ROM estimate is meant to inform a go/no-go decision point. It is based on our assumptions, opinions and estimates as of the date above, which are subject to change. Please note that this is an indicative estimate range. It is not an offer to enter into a contract. We make no representation or warranty as to the accuracy, reliability, or completeness of this information. Actual project costs may differ significantly once assumptions are refined, and additional information is gathered.

We conservatively estimated a gross cost of \$2-4 million and a **net cost of \$1-2 million** for the drilling and installation of the contemplated GLHE. The below costs are represented in the format of a "Class IV estimate," meaning +/- 20% of the projected value.

Cost Range Breakdown	Low Estimate	High Estimate
HVAC Cost (Gross)	\$2,240,000	\$3,360,000
HVAC ITC (40%)	-\$896,000	-\$1,344,000
HVAC Cost (Net)	\$1,344,000	\$2,016,000
GLHE Installation Cost (Gross)	\$2,060,800	\$3,091,200
GLHE ITC (40%)	-\$824,320	-\$1,236,480
GLHE Installation Cost (Net)	\$1,236,480	\$1,854,720
Total System Cost (Net)	\$2,580,480	\$3,870,720

This estimate allows for the following scope of work:

- Installation of Ground-Loop Heat Exchanger
- Flush, flow, and pressure testing.
- Connection to building manifold, including trenching and backfilling.
- Installation of Ground-Source Heat Pump

Please note that due to the limited information available at this time, this estimate does not include the cost to install new in-building equipment (e.g., heat pumps), nor any retrofits that may be required to prepare the Facility's existing mechanical systems to accommodate low-temperature hot water.

The reduced net costs displayed in the table above are due to anticipated receipt of federal tax credits. Commercial-scale geothermal heating and cooling systems like the one contemplated here are eligible for an investment tax credit (ITC) of up to 40% of the upfront cost of installation if requirements for domestic

content, prevailing wages, and apprenticeship programs are met. Brightcore conforms to these requirements and has had success helping our clients secure the maximum value credit possible.

As long as the section of the building served by the system in question receives at least 75% of their annual heating from geothermal, the cost basis against which the credit is applied includes not just the upfront cost of installing the GLHE, but also the upfront purchase and installation costs for all mechanical and distribution equipment connected to the GLHE. Because we expect the contemplated system to serve nearly all of the Facility's heating needs, the system owner could likely anticipate also receiving credit for 40% of the cost of all HVAC equipment and building retrofit work associated with the GLHE.

Thank you for considering Brightcore Energy for your renewable energy needs. Our world-class staff look forward to delivering a premium service, supporting and de-risking your geothermal project needs.

Feel free to reach out with any further questions/suggestions.

Sincerely



Thomas Cronje
Director Business Development
Email: Thomas.Cronje@Brightcoreenergy.com
Mobile: 208-488-8816

Lori Wallstedt

ST - Pauls -

From: Vincent Muldoon <vinnyowqc@yahoo.com>
Sent: Tuesday, February 4, 2025 10:21 AM
To: Lori Wallstedt
Subject: Fwd: St Paul's
Attachments: EmPower-Solar_St-Pauls-Letter_2502-03.pdf; EmPower-Solar_St-Pauls-Rooftop-Budget-Proposal.pdf; EmPower-Solar_St-Pauls-Rooftop-Design.pdf

Sent from my iPhone

Begin forwarded message:

From: rbcbug <rbcbug@aol.com>
Date: February 4, 2025 at 7:11:19 AM EST
To: Vincent Muldoon <vinnyowqc@yahoo.com>
Subject: Fwd: St Paul's

As requested
Sent from my iPhone

Begin forwarded message:

From: David Schieren <dschieren@empower-solar.com>
Date: February 3, 2025 at 6:31:52 PM EST
To: rbcbug <rbcbug@aol.com>
Subject: Re: St Paul's

EmPower
SOLAR
options

Bob, hi. Attached you will find a letter overview, financial proposal, and design. The letter content is pasted here:

February 3, 2025

To: Mr. Bob Catell
Chairman AERTC

Dear Mr. Catell,

Ball Park only -

It was a pleasure to discuss the potential St. Paul's restoration project under consideration. The team at EmPower evaluated the roof of the main school building for solar and has a preliminary system design and cost/benefit analysis attached for your consideration. The roof area is relatively constrained considering various surface heights and need for a multitude of sub-arrays (unconnected sections). The best business model to optimize financial income would be to create a new meter and host utility account for 100% exports. All of the energy would be sold through PSEG-LI to off-site subscribers. These

subscribers could be affiliates or simply via the marketplace. A cost assumption for selling this energy via "community solar" is included.

There is ground area that might be available to add solar capacity and / or consider a battery system. I think a battery project would be worth a thorough budgetary review pending conceptual approval. Please note there is extensive electrical engineering and site permitting study required to gain greater budgetary precision.

For a 5 MW AC Capacity system, the project gross cost at a high level would be \$7 - 12 M. This would be eligible for the 30% federal investment tax credit. This system would generate over \$700,000 per year in revenue. One big outstanding question is if LIPA/PSEG-LI is going to restart the "retail" energy storage program incentive. EmPower along with our industry association is working with LIPA/PSEG-LI on a weekly basis to identify and agree on a new incentive level as there is none today. The request for this type of project is \$1 - 2 M of direct incentives.

In Con Edison territory, since the incentive is available, third party developers are offering over \$100,000 annually for a site lease requiring zero funding contribution from the host site. I think there is reason to believe a similar figure could be obtained for this site assuming the utility incentive gets approved.

Certainly I'm available at your convenience to discuss.

On Mon, Feb 3, 2025 at 4:23 PM rcbbug <rbcbug@aol.com> wrote:

Thank you

Sent from my iPhone

On Feb 3, 2025, at 2:47 PM, David Schieren
<dschieren@empower-solar.com> wrote:

Bob, hi.

Yes, I will sending this over before tonight.

David

Solar Power Proposal for

St. Paul's

**295 Stewart Ave
Garden City, NY 11530**

Preliminary Proposal

Submitted By:

**EMPOWER
SOLAR**

Date:

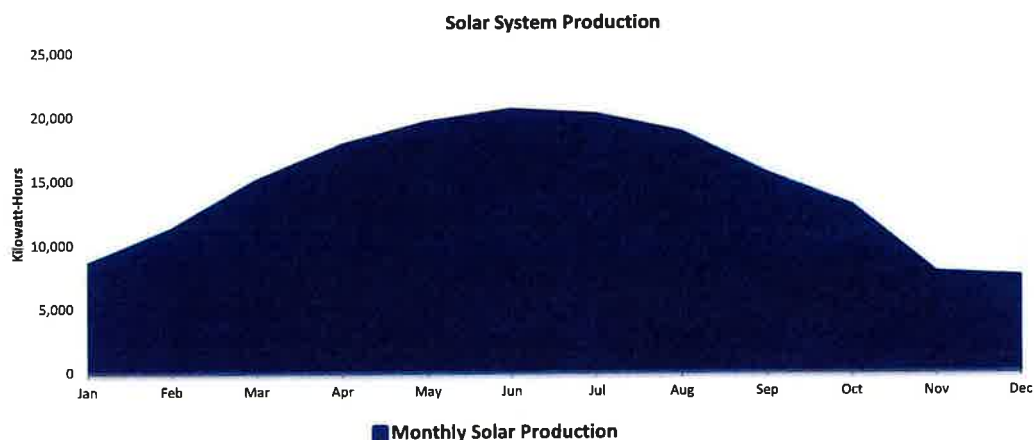
February 3, 2025

1. VSUN 146.3KW - YOUR SOLAR POWER SYSTEM

EMPOWER SOLAR

Your Solar Power System

System Size	146.32 Kilowatts
Panel Selection	248 VSUN 590-Watt Modules
System Production (kWh)	177,245



Congratulations on considering solar power for your business! You have taken the first step in joining thousands of EmPowered clients on Long Island and in New York City who have decided to save on electric costs with solar power. With thousands of solar power systems installed, EmPower Solar is excited to work with you every step of the way.

EmPower's vision is a new energy paradigm powered by clean and renewable energy. We are driven by the fundamental belief that renewable energy will lead to a more prosperous, healthy, and civil world. We are excited to have you join us in our mission.

Prepared for St. Paul's by David Schieren, Chief Executive Officer
295 Stewart Ave, Garden City, NY 11530
(248) VSUN 590-Watt Modules

Preliminary Proposal; 02/03/2025
4589 Austin Blvd, Island Park, New York 11558
Phone: (516) 937-3459

This quote is valid for fifteen (15) days unless explicitly stated otherwise. This document is strictly confidential. Please do not distribute.

2. VSUN 146.3KW - DIRECT PURCHASE SUMMARY

EMPOWER SOLAR

Financial Benefits

First Year Savings	\$37,221
30-Year Savings	\$1,288,178
Annual Return	7.96%
Payback	9 Years

Costs & Incentives

Total System Value	\$489,898
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Total Payment Due	\$489,898
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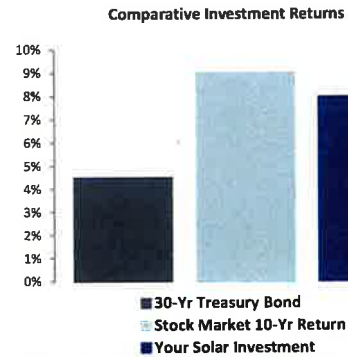
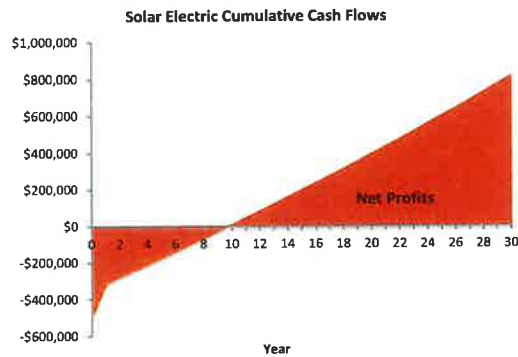
Additional Benefits

Federal Direct Payment	\$146,970
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Net Cost	\$342,929
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Depreciation Benefit

Year 1 (100% Bonus)	0.00%	\$0
Year 2	0.00%	\$0
Year 3	0.00%	\$0
Year 4	0.00%	\$0
Year 5	0.00%	\$0
Year 6	0.00%	\$0



Notes & Assumptions

Includes Equipment, Installation, Engineering, Permitting, Rebate Processing, Data Monitoring, 5-Year Installation Warranty
Assumes Utility Escalation Rate of 1.50% And Effective Tax Rate of 21.0%
Excludes Utility Upgrade Costs determined in Interconnection Study (If Required)

Please Consult Your Tax Advisor About Tax Benefits; Figures Estimated Based on Current Energy Usage and May Vary Due to Future Usage
Additional Materials/Services: None

Prepared for St. Paul's by David Schieren, Chief Executive Officer
295 Stewart Ave, Garden City, NY 11530
(248) VSUN 590-Watt Modules

Preliminary Proposal; 02/03/2025
4589 Austin Blvd, Round Park, New York 11558
Phone: (516) 837-3459

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3. VSUN 146.3KW - DIRECT PURCHASE CASH FLOW

EMPOWER SOLAR

Year	Avg. Cost Utility (\$/kWh)	Solar Generation (kWh)	Income	System Gross Cost	MSP Plan	Contingency	CDG Energy Sales	Fed. Tax Credit	Net Annual Cash Flows	Cumulative Cash Flows
0				(\$489,898)					(\$489,898)	(\$489,898)
1	\$0.210	177,245	\$37,221		(\$900)	(\$1,715)	(\$964)	\$146,970	\$180,612	(\$309,287)
2	\$0.213	176,359	\$37,591		(\$913)	(\$1,741)	(\$979)		\$33,958	(\$275,329)
3	\$0.216	175,473	\$37,963		(\$927)	(\$1,767)	(\$993)		\$34,276	(\$241,053)
4	\$0.220	174,586	\$38,338		(\$941)	(\$1,794)	(\$1,008)		\$34,595	(\$206,458)
5	\$0.223	173,700	\$38,715		(\$955)	(\$1,821)	(\$1,023)		\$34,916	(\$171,542)
6	\$0.226	172,814	\$39,096		(\$969)	(\$1,848)	(\$1,039)		\$35,240	(\$136,302)
7	\$0.230	171,928	\$39,479		(\$984)	(\$1,876)	(\$1,054)		\$35,565	(\$100,737)
8	\$0.233	171,042	\$39,864		(\$999)	(\$1,904)	(\$1,070)		\$35,892	(\$64,845)
9	\$0.237	170,155	\$40,253		(\$1,014)	(\$1,932)	(\$1,086)		\$36,220	(\$28,625)
10	\$0.240	169,269	\$40,644		(\$1,029)	(\$1,961)	(\$1,102)		\$36,551	\$7,926
11	\$0.244	168,383	\$41,037		(\$1,044)	(\$1,991)	(\$1,119)		\$36,883	\$44,809
12	\$0.247	167,497	\$41,434		(\$1,060)	(\$2,021)	(\$1,136)		\$37,217	\$82,026
13	\$0.251	166,610	\$41,833		(\$1,076)	(\$2,051)	(\$1,153)		\$37,553	\$119,580
14	\$0.255	165,724	\$42,234		(\$1,092)	(\$2,082)	(\$1,170)		\$37,890	\$157,470
15	\$0.259	164,838	\$42,638		(\$1,108)	(\$2,113)	(\$1,188)		\$38,230	\$195,700
16	\$0.263	163,952	\$43,045		(\$1,125)	(\$2,145)	(\$1,205)		\$38,570	\$234,270
17	\$0.266	163,065	\$43,455		(\$1,142)	(\$2,177)	(\$1,224)		\$38,913	\$273,183
18	\$0.270	162,179	\$43,867		(\$1,159)	(\$2,209)	(\$1,242)		\$39,257	\$312,439
19	\$0.275	161,293	\$44,282		(\$1,176)	(\$2,243)	(\$1,261)		\$39,602	\$352,042
20	\$0.279	160,407	\$44,699		(\$1,192)	(\$2,276)	(\$1,279)		\$39,949	\$391,991
21	\$0.283	159,521	\$45,119		(\$1,212)	(\$2,310)	(\$1,299)		\$40,298	\$432,289
22	\$0.287	158,634	\$45,541		(\$1,230)	(\$2,345)	(\$1,318)		\$40,648	\$472,937
23	\$0.291	157,748	\$45,966		(\$1,248)	(\$2,380)	(\$1,338)		\$40,999	\$513,936
24	\$0.296	156,862	\$46,393		(\$1,267)	(\$2,416)	(\$1,358)		\$41,352	\$555,289
25	\$0.300	155,976	\$46,823		(\$1,286)	(\$2,452)	(\$1,378)		\$41,707	\$596,995
26	\$0.305	155,089	\$47,256		(\$1,305)	(\$2,489)	(\$1,399)		\$42,062	\$639,057
27	\$0.309	154,203	\$47,690		(\$1,325)	(\$2,526)	(\$1,420)		\$42,419	\$681,476
28	\$0.314	153,317	\$48,127		(\$1,345)	(\$2,564)	(\$1,441)		\$42,777	\$724,254
29	\$0.319	152,431	\$48,567		(\$1,365)	(\$2,603)	(\$1,463)		\$43,136	\$767,390
30	\$0.323	151,545	\$49,009		(\$1,386)	(\$2,642)	(\$1,485)		\$43,497	\$810,887

Prepared for St. Paul's by David Schieren, Chief Executive Officer
295 Stewart Ave., Garden City, NY 11530
(248) VSUN 590-Watt Modules

Preliminary Proposal: 02/03/2025
4589 Austin Blvd., Island Park, New York 11558
Phone: (516) 837-3459

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4. 20 Year Loan, 8.5% Rate, 3% Fee

EMPOWER SOLAR

Year	Avg. Cost Utility (\$/kWh)	Solar Generation (kWh)	Income	System Cost	Financed Amount	Loan Payments	Active Monitorin g	Fed. Tax Credit	Net Annual Cash Flows	Cumulative Cash Flows
0				(\$489,898)	\$504,595					
1	\$0.210	174,586	\$36,663			(\$52,548)	(\$3,579)	#####	\$127,505	\$127,505
2	\$0.213	173,713	\$37,027			(\$52,548)	(\$3,615)		(\$19,136)	\$108,369
3	\$0.216	172,840	\$37,394			(\$52,548)	(\$3,651)		(\$18,806)	\$89,564
4	\$0.220	171,968	\$37,763			(\$52,548)	(\$3,688)		(\$18,473)	\$71,091
5	\$0.223	171,095	\$38,135			(\$52,548)	(\$3,725)		(\$18,138)	\$52,953
6	\$0.226	170,222	\$38,509			(\$52,548)	(\$3,762)		(\$17,801)	\$35,152
7	\$0.230	169,349	\$38,886			(\$52,548)	(\$3,800)		(\$17,461)	\$17,691
8	\$0.233	168,476	\$39,266			(\$52,548)	(\$3,837)		(\$17,119)	\$572
9	\$0.237	167,603	\$39,649			(\$52,548)	(\$3,876)		(\$16,775)	(\$16,203)
10	\$0.240	166,730	\$40,034			(\$52,548)	(\$3,915)		(\$16,429)	(\$32,632)
11	\$0.244	165,857	\$40,422			(\$52,548)	(\$3,954)		(\$16,080)	(\$48,712)
12	\$0.247	164,984	\$40,812			(\$52,548)	(\$3,993)		(\$15,729)	(\$64,441)
13	\$0.251	164,111	\$41,205			(\$52,548)	(\$4,033)		(\$15,376)	(\$79,817)
14	\$0.255	163,238	\$41,601			(\$52,548)	(\$4,074)		(\$15,021)	(\$94,838)
15	\$0.259	162,365	\$41,999			(\$52,548)	(\$4,114)		(\$14,663)	(\$109,502)
16	\$0.263	161,492	\$42,400			(\$52,548)	(\$4,155)		(\$14,304)	(\$123,806)
17	\$0.266	160,619	\$42,803			(\$52,548)	(\$4,197)		(\$13,942)	(\$137,748)
18	\$0.270	159,746	\$43,209			(\$52,548)	(\$4,239)		(\$13,578)	(\$151,326)
19	\$0.275	158,874	\$43,617			(\$52,548)	(\$4,281)		(\$13,212)	(\$164,538)
20	\$0.279	158,001	\$44,028			(\$52,517)	(\$4,324)		(\$12,813)	(\$177,351)
21	\$0.283	157,128	\$44,442				(\$26,315)		\$18,126	(\$159,224)
22	\$0.287	156,255	\$44,858				(\$4,411)		\$40,447	(\$118,777)
23	\$0.291	155,382	\$45,276				(\$4,455)		\$40,821	(\$77,956)
24	\$0.296	154,509	\$45,697				(\$4,500)		\$41,198	(\$36,758)
25	\$0.300	153,636	\$46,121				(\$4,545)		\$41,576	\$4,818
26	\$0.305	152,763	\$46,547				(\$4,590)		\$41,956	\$46,774
27	\$0.309	151,890	\$46,975				(\$4,636)		\$42,339	\$89,113
28	\$0.314	151,017	\$47,406				(\$4,682)		\$42,723	\$131,836
29	\$0.319	150,144	\$47,838				(\$4,729)		\$43,109	\$174,945
30	\$0.323	149,271	\$48,274				(\$4,777)		\$43,497	\$218,442

Prepared for St. Paul's by David Schieren, Chief Executive Officer
295 Stewart Ave. Garden City, NY 11530

Preliminary Proposal, 02/03/2025
4589 Austin Blvd. Island Park, New York 11558
Phone: (516) 837-3459

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Design 1 St. Paul's Recreation Complex, 295 Stewart Ave, Garden City, NY 11530

Report

Project Name	St. Paul's Recreation Complex
Project Address	295 Stewart Ave, Garden City, NY 11530
Prepared By	Em Power design@empower-solar.com

EMPOWER
SOLAR

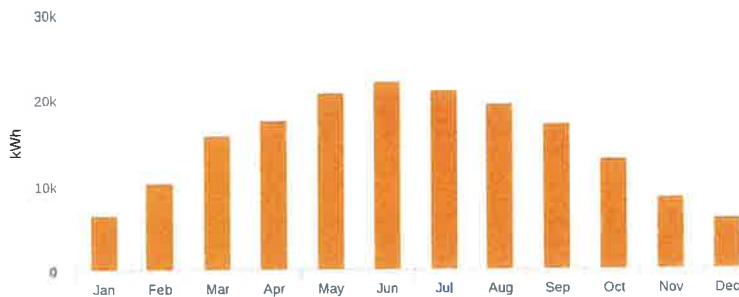
System Metrics

Design	Design 1
Module DC Nameplate	146.3 kW
Inverter AC Nameplate	120.0 kW Load Ratio: 1.22
Annual Production	177.8 MWh
Performance Ratio	76.8%
kWh/kWp	1,215.1
Weather Dataset	TMY, 10km grid (40.75,-73.65), NREL (prospector)
Simulator Version	ba1c6dd286-b57a0e82fc-909e07177e-da08493172

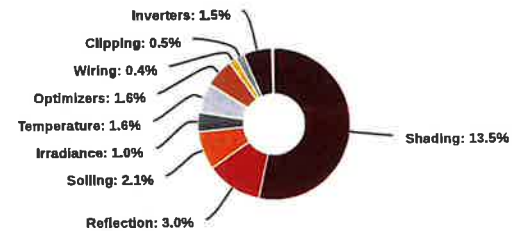
Project Location



Monthly Production



Sources of System Loss



⚡ Annual Production

	Description	Output	% Delta
Irradiance (kWh/m ²)	Annual Global Horizontal Irradiance	1,459.9	
	POA Irradiance	1,581.6	8.3%
	Shaded Irradiance	1,368.4	-13.5%
	Irradiance after Reflection	1,327.4	-3.0%
	Irradiance after Soiling	1,299.6	-2.1%
	Total Collector Irradiance	1,299.6	0.0%
Energy (kWh)	Nameplate	190,201.8	
	Output at Irradiance Levels	188,246.5	-1.0%
	Output at Cell Temperature Derate	185,193.0	-1.6%
	Output After Mismatch	185,192.3	0.0%
	Optimizer Output	182,280.6	-1.6%
	Optimal DC Output	181,584.0	-0.4%
	Constrained DC Output	180,747.8	-0.5%
	Inverter Output	178,030.2	-1.5%
	Energy to Grid	177,796.5	-0.1%

Temperature Metrics

Avg. Operating Ambient Temp	14.3 °C
Avg. Operating Cell Temp	21.0 °C

Simulation Metrics

Operating Hours	4682
Solved Hours	4682

☁ Condition Set

Description	Condition Set 1											
Weather Dataset	TMY, 10km grid (40.75,-73.65), NREL (prospector)											
Solar Angle Location	Meteo Lat/Lng											
Transposition Model	Perez Model											
Temperature Model	Sandia Model											
Temperature Model Parameters	Rack Type	a	b	Temperature Delta								
	Fixed Tilt	-3.56	-0.075	3°C								
	Flush Mount	-2.81	-0.0455	0°C								
	East-West	-3.56	-0.075	3°C								
Soiling (%)	Carport	-3.56	-0.075	3°C								
	J	F	M	A	M	J	J	A	S	O	N	D
Irradiation Variance	21.6	12.1	2	0	0	0	0	0	0	0	0	8
	5%											
Cell Temperature Spread	4° C											
Module Binning Range	-2.5% to 2.5%											
AC System Derate	0.50%											
Module Characterizations	Module	Uploaded By		Characterization								
	VSUN590N-144BMH-DG (VSUN)	HelioScope		Spec Sheet Characterization, PAN								
Component Characterizations	Device	Uploaded By		Characterization								
	P1101 (SolarEdge)	HelioScope		Mfg Spec Sheet								
Component Characterizations	SE120KUS (2022) (SolarEdge)	HelioScope		Spec Sheet								

📦 Components

Component	Name	Count
Inverters	SE120KUS (2022) (SolarEdge)	1 (120.0 kW)
AC Panels	1 input AC Panel	1
AC Home Runs	4/0 AWG (Copper)	2 (203.1 ft)
Strings	10 AWG (Copper)	10 (4,627.4 ft)
Optimizers	P1101 (SolarEdge)	248 (272.8 kW)
Module	VSUN, VSUN590N-144BMH-DG (590W)	248 (146.3 kW)

🔌 Wiring Zones

Description	Combiner Poles	String Size	Stringing Strategy
Wiring Zone		13-25	Along Racking

🏠 Field Segments

Description	Racking	Orientation	Tilt	Azimuth	Intrarow Spacing	Frame Size	Frames	Modules	Power
Field Segment 1	Fixed Tilt	Landscape (Horizontal)	Module: 10°	Module: 180.38239°	1.1 ft	1x1	30	30	17.7 kW
Field Segment 2	Fixed Tilt	Landscape (Horizontal)	Module: 10°	Module: 180.38239°	1.1 ft	1x1	24	24	14.2 kW
Field Segment 3	Fixed Tilt	Landscape (Horizontal)	Module: 10°	Module: 180.38239°	1.1 ft	1x1	29	29	17.1 kW
Field Segment 4	Fixed Tilt	Landscape (Horizontal)	Module: 10°	Module: 180.38239°	1.1 ft	1x1	31	31	18.3 kW
Field Segment 5	Fixed Tilt	Landscape (Horizontal)	Module: 10°	Module: 180.38239°	1.1 ft	1x1	25	25	14.8 kW
Field Segment 6	Fixed Tilt	Landscape (Horizontal)	Module: 10°	Module: 180.38239°	1.1 ft	1x1	27	27	15.9 kW
Field Segment 7	Fixed Tilt	Landscape (Horizontal)	Module: 10°	Module: 180.38239°	1.1 ft	1x1	28	28	16.5 kW
Field Segment 8	Fixed Tilt	Landscape (Horizontal)	Module: 10°	Module: 180.38239°	1.1 ft	1x1	26	26	15.3 kW
Field Segment 9	Fixed Tilt	Landscape (Horizontal)	Module: 10°	Module: 180.38239°	1.1 ft	1x1	18	18	10.6 kW
Field Segment 10	Fixed Tilt	Landscape (Horizontal)	Module: 10°	Module: 180.38239°	1.1 ft	1x1	10	10	5.90 kW

Detailed Layout2



- Abatement -

From: Daniel Colasuonno <dc@titangroupny.com>
Sent: Thursday, December 12, 2024 12:06:04 PM
To: Matt Brooks <mbrooks@iaronline.com>
Cc: Jason Pastore <JPastore@iaronline.com>; Shannon Walsh <SWalsh@iaronline.com>
Subject: RE: St Pauls

Sorry Matt just saw this

- ST Pauls -

From: Matt Brooks <mbrooks@iaronline.com>
Sent: Wednesday, December 4, 2024 12:04 PM
To: Daniel Colasuonno <dc@titangroupny.com>
Cc: Jason Pastore <JPastore@iaronline.com>; Shannon Walsh <SWalsh@iaronline.com>
Subject: RE: St Pauls

Good Afternoon Danny:

X

I went over the scope of work including the asbestos, lead, pcb, universal/hazardous waste and lastly the guano and IAR's budget price is \$ 3,995,000.00. I hope this number meets your expectations and does turn this into a project to be abated and remediated.

Thanks, Matt

If you have any comments and/or require additional information please feel free to contact me.

IAR is WBE CERTIFIED

For bid requests, please email all information to rfb@iaronline.com

Sincerely,



Insulation · Asbestos
Lead · Mold · Hazmat
Infection Control
Energy Audits · Demolition
General Construction
Facility Energy Repair
and Maintenance

Matthew Brooks

Senior Project Manager,
Environmental Department

Phone: 631 517 4600

Direct: 631 968 1447

Mobile: 516 580 1172

Email: mbrooks@iaronline.com

16 West Main Street
BayShore, N.Y. 11706

www.iaronline.com

Ball park only

From: Matt Brooks
Sent: Tuesday, December 03, 2024 4:00 PM
To: Daniel Colasuonno <dc@titangroupny.com>
Subject: RE: St Pauls

Jann Calvo

From: Vincent Muldoon <vinnyowqc@yahoo.com>
Sent: Sunday, December 29, 2024 4:21 PM
To: Jennifer Mauri; Vincent Muldoon; Lori Wallstedt; Jann Calvo
Subject: ST PAULS COSTS AND INFO

BALLPARKS

Based
on
Interiors
+
Soft
Costs
etc

The screenshot shows a spreadsheet titled 'Construction Estimate \$ 30,000,000'. It includes a list of construction items with their respective costs, a section for 'Soft Costs \$3,550,000', and an 'Additional Cost \$7,500,000' section. Handwritten annotations include large 'X' marks over the 'Construction Estimate' and 'Soft Costs' sections, and a checkmark over the 'Additional Cost' section. A handwritten note 'Interior space' is written next to the construction items list.

Construction Estimate \$ 30,000,000	
The estimate includes 55,000 square feet of space. Finished usable space suitable for a variety of functions.	
Cost Based on Winterman Construction estimate of 3/7/2023	
• Construction	\$ 3,000,000.00
• Fixtures	\$ 9,500,000.00
• Seaside	\$ 1,500,000.00
• (Steel Truss)	
• Fire Protection	\$ 1,500,000.00
• Elevators	\$ 500,000.00
• Plumbing	\$ 500,000.00
• HVAC	\$ 3,000,000.00
• Electrical	\$ 2,000,000.00
• GC Costs (20%)	\$ 6,000,000.00
• General Conditions, Insurance, Overhead (5%)	
• Contingency (5%)	\$ 1,500,000.00
Soft Costs \$3,550,000	
• Architect (7%)	\$ 2,100,000.00
• MEP Engineer	\$ 500,000.00
• Structural Engineer	\$ 250,000.00
• Lighting Designer	\$ 100,000.00
• VESD Consultant	\$ 100,000.00
• IT Consultant	\$ 400,000.00
• Specification Writer	\$ 50,000.00
• Code Consultant	\$ 50,000.00
• Graphics	\$ 175,000.00
• Scheduling	
• Estimating	\$ 100,000.00
Additional Cost \$7,500,000	
• Landscape	\$ 1,500,000.00
• Wayfinding	
• Graphic Design	\$ 500,000.00
• Craft Fair	\$ 2,500,000.00
• Seaside Budget	\$ 3,000,000.00