

Solar Power at Ann Arbor  
Seventh-day Adventist  
2796 Packard Road 48108

Scott Nelson\*734-358-1204\*scottreidnelson@gmail.com

# Rain Garden at Ann Arbor SDA



# Aerial Photo



# LED Lighting



# DTE Interconnection Agreement

Your application # DE-04444 has been reviewed Inbox x

**DTE Interconnection Program Support** [interconnect@dteenergy.com](mailto:interconnect@dteenergy.com) via [amazonses.com](mailto:amazonses.com)  
to me, mddorogi ▾



Hello Scott Nelson,

<b>Project Number:</b>	DE-04444
<b>Applicant Name:</b>	Scott Nelson
<b>Company:</b>	Ann Arbor Seventh-day Adventist School
<b>Site Address:</b>	2796 Packard Street Ann Arbor, MI 48108
<b>Category:</b>	Category 1 (< 20 kW)
<b>System Rating:</b>	19.44920 kW AC
<b>Generator Type:</b>	Solar PV
<b>System Type:</b>	Inverter

This letter is to acknowledge that your **21.5621.56 DC/19.44920 AC** kW Solar System Interconnection (# **DE-04444**) 2796 Packard Street , Ann Arbor, MI 48108 has been approved for **Net Metering. The Interconnection Application Review is Complete.**

The following documents must be received before we proceed to the next step in the process for Interconnection:

Interconnection Requirements

- A copy of the Electrical Inspection
- Photograph of the external AC disconnect switch and meter enclosure(s)
- Photograph of the wiring between Inflow and Outflow meter enclosures (If Applicable)
- Photograph that shows all of the inverters installed

# Legal Documents

- Single Member Operating Agreement – LLC Operations
- Power Purchase Agreement – Between Church and LLC
- EPC Agreement – Between LLC and Solar Provider

# Performance Tracking

SDA Elementary School															
	Production Performance					Financial Performance						Green Performance			
	Projected	Actual	Variance	Var. %	Year Ago*	Without	Actual	Utility Savings	Savings %	Usage	Solar Gen	Green	Green %		
Dec 11 - Jan 9	1,034	714	(320)	-31.0%	\$ 714	\$ 653	\$ 553	\$ 100	15.4%	5,674	714	(4,960)	13%		
Jan 10 - Feb 7	1,600	583	(1,017)	-63.6%	\$ 656	\$ 606	\$ 525	\$ 81	13.4%	5,223	583	(4,640)	11%		
Feb 8 - Mar 9	2,607	1,854	(753)	-28.9%	\$ 558	\$ 656	\$ 450	\$ 206	31.4%	5,694	1,854	(3,840)	33%		
Mar 10 - Apr 8	3,149	2,404	(745)	-23.7%	\$ 578	\$ 629	\$ 369	\$ 260	41.4%	5,444	2,404	(3,040)	44%		
Apr 9 - May 8	3,981	3,210	(771)	-19.4%	\$ 482	\$ 613	\$ 271	\$ 342	55.8%	5,290	3,210	(2,080)	61%		
May 9 - Jun 10	3,820	3,998	178	4.7%	\$ 398	\$ 679	\$ 261	\$ 418	61.6%	5,918	3,998	(1,920)	68%		
Jun 11 - Jul 10	3,825	4,263	438	11.4%	\$ 738	\$ 472	\$ 14	\$ 458	97.0%	3,943	4,263	320	108%		
Jul 11 - Aug 10	3,410	3,893	483	14.2%	\$ 551	\$ 802	\$ 371	\$ 432	53.8%	7,093	3,893	(3,200)	55%		
Aug 11 - Sep 10	2,784	3,466	682	24.5%	\$ 891	\$ 640	\$ 294	\$ 346	54.1%	5,546	3,466	(2,080)	62%		
Sep 11 - Oct 9	2,072	2,926	854	41.2%	\$ 600	\$ 314	\$ 15	\$ 300	95.2%	2,446	2,926	480	120%		
Oct 10 - Nov 9	1,302	1,770	468	35.9%	\$ 523	\$ 395	\$ 139	\$ 256	64.8%	3,210	1,770	(1,440)	55%		
Nov 10 - Dec 10	984	1,155	171	17.4%	\$ 639	\$ 481	\$ 412	\$ 69	14.4%	4,035	1,155	(2,880)	29%		
<b>Total</b>	<b>30,568</b>	<b>30,236</b>	<b>(332)</b>		<b>\$ 7,329</b>	<b>\$ 6,941</b>	<b>\$ 3,673</b>	<b>\$ 3,267</b>	<b>47.1%</b>	<b>59,516</b>	<b>30,236</b>	<b>(29,280.00)</b>	<b>51%</b>		

# Performance Tracking

SDA Church													
Production Performance				Financial Performance						Green Performance			
	Projected	Actual	Variance	Var. %	Year Ago*	Without	Actual	Utility Savings	Savings %	Usage	Solar Gen	Green	Green %
Dec 13 - Jan 13	233	214	(19)	-8.0%	\$ 77	\$ 80	\$ 55	\$ 25	30.8%	534	214	(320)	40%
Jan 14 - Feb 11	338	100	(238)	-70.3%	\$ 95	\$ 95	\$ 86	\$ 9	9.8%	660	100	(560)	15%
Feb 12 - Mar 12	553	439	(114)	-20.6%	\$ 77	\$ 68	\$ 15	\$ 53	78.3%	439	439	-	100%
Mar 13 - Apr 14	669	580	(89)	-13.2%	\$ 59	\$ 85	\$ 14	\$ 71	83.6%	580	580	-	100%
Apr 14 - May 13	847	741	(106)	-12.6%	\$ 59	\$ 85	\$ 14	\$ 71	83.6%	581	741	160	128%
May 14 - Jun 12	813	809	(4)	-0.5%	\$ 68	\$ 74	\$ 14	\$ 60	81.1%	489	809	320	165%
Jun 13 - Jul 14	814	1,006	192	23.6%	\$ 104	\$ 108	\$ 14	\$ 94	87.1%	766	1,006	240	131%
Jul 15 - Aug 13	725	818	93	12.8%	\$ 68	\$ 85	\$ 14	\$ 71	83.5%	578	818	240	142%
Aug 14 - Sep 14	590	754	164	27.7%	\$ 86	\$ 77	\$ 14	\$ 63	81.9%	514	754	240	147%
Sep 15 - Oct 13	439	601	162	37.0%	\$ 86	\$ 68	\$ 15	\$ 53	78.0%	441	601	160	136%
Oct 14 - Nov 11	275	281	6	2.2%	\$ 68	\$ 98	\$ 16	\$ 82	83.6%	681	281	(400)	41%
Nov 12 - Dec 14	207	88	(119)	-57.5%	\$ 59	\$ 84	\$ 16	\$ 68	80.9%	568	88	(480)	15%
<b>Total</b>	<b>6,503</b>	<b>6,432</b>	<b>(71)</b>		<b>\$ 901</b>	<b>\$ 1,008</b>	<b>\$ 287</b>	<b>\$ 721</b>	<b>71.6%</b>	<b>6,832</b>	<b>6,432</b>	<b>(400.00)</b>	<b>94%</b>



# SDA and Environmental Sustainability

- Rain Garden - <https://www.washtenaw.org/raingardens>
- Solar Faithful – Investor Model
  - Established an LLC (federal tax credit, depreciation)
  - 6-7 year pay off
  - Almost two full years of production
- LED Direct Wire lighting – existing fixtures
- [Presentation - Ann Arbor SDA Solar – August 5, 2021](#)
- [Presentation - Global Food System – September 16, 2021](#)

Adventist Church and School in Ann Arbor

Eureka!  
Saving  
\$120,000  
over 25  
Years



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In education there is power

# Questions and Answers