



Solar for Schools Annual Legislative Report

Pursuant to Minnesota Statutes, section 216C.375, subd. 11

January 15, 2025

Report Prepared By

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As requested by Minnesota Statutes, section 3.197: This report cost approximately \$2,097.20 to prepare, including staff time, printing and mailing expenses.

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Introduction

Pursuant to Minnesota Statutes, section 216C.375, subd. 11, beginning January 15, 2022, and each year thereafter until January 15, 2035, the Minnesota Department of Commerce (Commerce) must report to the chairs and ranking minority members of the legislative committees with jurisdiction over energy regarding

1. grants and amounts awarded to schools under this section during the previous year;
2. the amount of electricity generated by solar energy generating systems awarded a grant; and
3. the impact on school electricity expenses.

The original statute required reporting on (a) financial assistance, including amounts per award, provided to schools under section during the previous year; and (b) any remaining balances available under this section but it was removed with the enactment of Laws of Minnesota 2023, Chapter 60, article 12, section 36.

Background

The Solar for Schools (SFS) grant program provides financial assistance to enable eligible schools to install and operate solar energy systems that can be used as teaching tools and be integrated into the school curriculum. SFS is funded through General Fund (GF) and Renewable Development Account (RDA) appropriations. Appropriations in FY22-23 were passed as part of the 2021 Minnesota Special Session ([Minnesota 2021, 1st Spec. Sess. Chapter 4, Article 1, Section 2, Subd. 8\(c\)-\(d\), Article 2, Section 3, Subd 6, and Article 8, Section 24, Subd. 5\(a\)](#)). Appropriations for FY24 were passed as part of the 2023 Minnesota Legislative Session ([Minnesota 2023 Session Laws, Chapter 60, Article 10, Section 2, Subd 2\(c\) and \(e\) and Article 11, Section 2, Subd. 12](#)). These program appropriations are outlined in Table 1.

Table 1 Solar for Schools Program Appropriations

	MN State (GF)	K-12 (GF)	Colleges (RDA)	K-12 (RDA)
FY22-23 Appropriation	\$1,242,000	\$8,000,000	\$1,242,000	\$8,000,000
FY24 Appropriation	\$1,138,000	\$15,000,000	\$0.00	\$14,310,000

2023 Legislative Updates

The 2023 Minnesota Legislative Session resulted in significant program updates and improvements ([Minnesota 2023 Session Laws, Chapter 60, Article 12, Section 36](#)) including repealing Minn. Stat. § 216C.376, and incorporating schools in Xcel territory from the repealed Solar*Rewards Solar for Schools program (S*RSFS) into the Commerce-managed program, updating grant metrics, increasing the maximum allowable system size, expanding eligible schools to include cooperative districts, and adding various consumer protections and data collection requirements. These changes were incorporated into the program as of the January 2024 Request for Proposal (RFP) funding round.

As of January 2024, eligible schools include Independent, Special, and Cooperative School Districts, as well as Tribal Contract schools. Grants are designed to cover up to 40-70% of the cost to purchase and install a solar energy system. For K-12 schools, the maximum allowable grant is determined by the [Adjusted Net Tax Capacity](#) (ANTC) divided by the [Adjusted Pupil Unit](#) (APU). The allowable grant award levels as of January 2024 are detailed in Table 2.

Table 2 Maximum Allowable Grant Award Levels

School Type	System Size (kW _{dc})	Grant Value (% System Cost)	Outside Xcel Grant Cap (\$)	Inside Xcel Grant Cap (\$)
ANTC/APU ≤ \$5,000	≤ 50	70%	\$84,000	\$84,000
	> 50 and ≤ 125		\$175,000	\$175,000
	> 125 and ≤ 625		\$500,000	\$675,000
	> 625 and ≤ 1250		\$500,000	\$675,000
ANTC/APU >\$5,000 & ≤ \$9,250 Or Tribal Contract Schools	≤ 50	60%	\$72,000	\$72,000
	> 50 and ≤ 125		\$150,000	\$150,000
	> 125 and ≤ 625		\$500,000	\$600,000
	> 625 and ≤ 1250		\$500,000	\$675,000
ANTC/APU >\$9,250 & ≤ \$17,750 Or Minn. State	≤ 50	50%	\$60,000	\$60,000
	> 50 and ≤ 125		\$125,000	\$125,000
	> 125 and ≤ 625		\$500,000	\$500,000
	> 625 and ≤ 1250		\$500,000	\$675,000
ANTC/APU >\$17,750 Or Cooperative Districts	≤ 50	40%	\$48,000	\$48,000
	> 50 and ≤ 125		\$100,000	\$100,000
	> 125 and ≤ 625		\$400,000	\$400,000
	> 625 and ≤ 1250		\$500,000	\$600,000

2024 Program Summary

In 2024, Commerce held two Request for Proposal (RFP) funding rounds, detailed in Table 3. This section includes high-level metrics of the Commerce SFS program including the total number of grants awarded, amounts awarded to specific schools, the total amount of remaining funds, a cumulative summary of previous years’ projects, and other project information.

Table 3 SFS 2024 Funding Round Dates

Funding Round	Readiness Assessment	Full Grant Application
Round 1	January 10 – February 7	Due June 7
Round 2	July 1 –July 31	Due by December 30

As of December 2024, 46 Round 1 full applications have been approved to receive a grant, with 41 having executed grant contracts with the Department and the final five in negotiations. These 41 grantees are detailed in Table 4. An additional 17 Round 2 schools have been invited to submit full applications. A full list of program grantees and public project details is included as Attachment 1.

Table 4 2024 R1 Grantees

SFS ID	District Name	Install Location	Grant Award	System Size (kW _{dc})
SFS23-3010	Anoka Ramsey Community College	Cambridge Campus	\$87,111	50.44
SFS23-4006	Lewiston Altura Public Schools	High School	\$214,130	218.5
SFS23-4007	Lewiston Altura Public Schools	Elementary	\$210,519	186.3
SFS23-4019	Spring Lake Park Schools	Westwood Intermediate/Middle	\$336,862	328
SFS23-4021	Spring Lake Park Schools	Centerview Elementary	\$219,287	187.4
SFS24-5001	Red Lake	Poneham Elementary	\$87,500	56.64
SFS24-5004	International Falls	International Falls High	\$500,000	410.9
SFS24-5007	Minneota Public School	Minneota Public School	\$60,000	47.56
SFS24-5009	Intermediate District 287	South Education Center	\$328,484	371.5
SFS24-5010	Bloomington Public Schools	Normandale Hills Elementary	\$114,452	130.56
SFS24-5012	Hastings Public Schools	Hastings High	\$265,520	240
SFS24-5014	Hastings Public Schools	Kennedy Elementary	\$403,810	320.64
SFS24-5017	White Bear Lake Public Schools	White Bear Lake High	\$457,930	469.44
SFS24-5018	White Bear Lake Public Schools	Vandnais Elementary	\$217,070	171.84
SFS24-5020	Minneapolis Public Schools	Hall STEM Academy	\$183,107	230.3
SFS24-5021	Minneapolis Public Schools	Franklin STEAM Middle	\$238,562	314.2
SFS24-5025	Dilworth-Glyndon-Felton Public Schools	DGF Elementary	\$453,960	336
SFS24-5026	Brandon-Evansville Public Schools	Evansville Elementary	\$64,247	52
SFS24-5029	Brandon-Evansville Public Schools	Brandon High	\$63,200	52
SFS24-5043	Red Lake	Red Lake Secondary	\$87,500	56.64

SFS ID	District Name	Install Location	Grant Award	System Size (kW _{dc})
SFS24-5044	West St. Paul-Mendota Heights-Eagan Schools	Friendly Hills Middle	\$167,860	162.24
SFS24-5045	West St. Paul-Mendota Heights-Eagan Schools	Two Rivers High	\$299,148	330.24
SFS24-5046	West St. Paul-Mendota Heights-Eagan Schools	Heritage E-STEM Magnet	\$207,888	216.96
SFS24-5047	Clinton-Graceville-Beardsley Public Schools	Secondary School-Graceville	\$62,340	74.9
SFS24-5050	Rosemount Apple Valley Eagan Schools	Elementary #20	\$361,133	328
SFS24-5051	Lake Benton Public Schools	Lake Benton Elementary	\$41,796	45.6
SFS24-5055	Bertha-Hewitt Public Schools	Bertha-Hewitt Elementary	\$486,630	386.88
SFS24-5059	Columbia Heights Public Schools	Valley View Elementary	\$90,690	60.96
SFS24-5060	Columbia Heights Public Schools	Highland Elementary	\$125,000	94.56
SFS24-5061	Park Rapids Public Schools	Park Rapids High	\$500,000	729.6
SFS24-5063	North St. Paul Maplewood-Oakdale Schools	Richardson Elementary	\$83,495	59.52
SFS24-5064	North St. Paul Maplewood-Oakdale Schools	Carver Elementary	\$362,275	327.8
SFS24-5066	Rochester Public Schools	Elton Hills Elementary	\$81,374	66.7
SFS24-5067	Rochester Public Schools	Hoover Elementary	\$82,715	59.52
SFS24-5080	Carlton Public Schools	South Terrace Elementary	\$167,868	175.68
SFS24-5081	St. Charles Public Schools	St. Charles High	\$83,030	59.52
SFS24-5082	St. Charles Public Schools	St. Charles Elementary	\$81,960	59.52
SFS24-5086	Rock Ridge Public Schools	Laurentian Elementary	\$460,476	348.48
SFS24-5090	North St. Paul Maplewood-Oakdale Schools	Justice Alan Page Elementary	\$228,000	196.8
SFS24-5091	PEM Public Schools	PEM Junior High	\$81,460	59.52
SFS24-5092	PEM Public Schools	PEM High School	\$83,030	59.52

These 46 projects represent a cumulative solar capacity just over 10 MW_{dc}, with another 17 projects potentially adding to this total capacity for the year. The total capacity for 2024 greatly exceeds those of previous years, as detailed in Figure 1. This is likely the result of the program incorporating Xcel school eligibility into the Commerce-run program design, as well as increasing the allowable system size for schools outside Xcel to up to 1 MW_{ac} with electric utility approval.

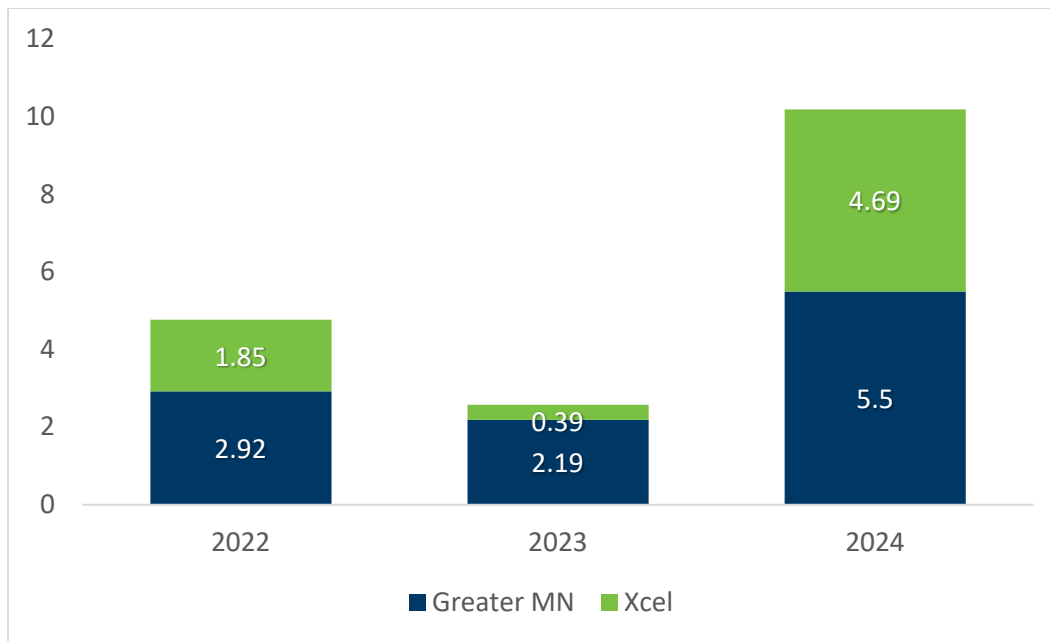


Figure 1: Cumulative Solar Capacity by Project Application Year Capacity (MWdc)

While solar capacity from 2024 Round 1 projects exceeds that of the 2022 and 2023 program years combined, the number of projects is akin to previous program years. Demand for the grant program has remained strong and consistent across program years.

Combined with program years 2022 and 2023, the 132 funded projects received \$17.4 million overall in grant funding. The projects, combined, are anticipated to produce 16 million kWh of electricity annually, to deliver a cumulative \$1.36 million in electricity costs savings annually, and save over \$61 million in electric costs over the systems' 25-year lifetimes. These numbers are broken down by program year in Table 7.

Year	Grants Awarded	Grants Reporting	Cumulative Grant Values	Est. Annual Production	Est. Year 1 Electric Savings	Est. Lifetime (25Y) Electric Savings
2022	60	53	\$5,177,168.00	3,329,280 kWh	\$249,696	\$8,087,086
2023	40	38	\$3,593,479	2,485,386 kWh	\$182,204	\$5,807,374
2024	46	41	\$8,732,419	10,249,458 kWh	\$931,593	\$47,263,154
TOTAL	146	132	\$17,502,066	16,064,124 kWh	\$1,363,493	\$61,157,614

Table 5: Cumulative Impact of Grants by Program Year

There are some grant projects not represented in Table 7. Of the 46 projects approved for 2024 grants, 41 have fully executed grant contracts. The remaining five will be included in future reports, should those contracts become fully executed. Of the 100 2022-2023 grantees, nine were awarded grants under S*RSFS, previously managed by Xcel Energy. Data for these fields was not collected as part of that application process.

Grant Budget Reservations

SFS grant funds currently allocated are detailed in Table 8. Allocated funds include the 17 2024 Round 2 projects with funds tentatively reserved pending submittal and approval of full applications.

Total Grant Budget for each category is calculated using the sum of appropriated funds less admin costs, except for the K-12 Xcel budget. The K-12 Xcel Total Grant Budget is the sum of unallocated S*RSFS funds transferred to the Department (\$5,175,691), the cumulative reservations for the nine active S*RSFS projects (\$2,106,334), and the program appropriation from the 2023 Legislative Session (\$14,310,000) less 10% for admin. The Department is in communication with Xcel to locate and transfer any unaccounted-for funds from the original S*RSFS \$8M program appropriation.

	Total Grant Budget	Grant Reservations	2024 Round 2	Remaining
K-12 Greater MN	\$21,012,000	\$14,362,066.00	\$4,824,203	\$1,825,731
K-12 Xcel	\$20,161,025	\$7,762,725.20	\$675,000	\$11,723,299.80
MN State Greater MN	\$2,142,000	\$135,111	-	\$2,006,889
MN State Xcel	\$1,117,800	-	-	\$1,117,800

Table 6: SFS Program Unallocated Grant Funds

Program Impact and Outlook

Prior to the SFS program, Minnesota had 184 schools with solar photovoltaic systems. Due to the SFS program, 146 schools have now installed, or are on track to install, new PV systems – nearly doubling the number of schools with onsite solar. After, the current funding round concludes, we anticipate another 65 schools will install solar, bringing the program total to 211 projects. SFS funded projects are likely to increase the state’s solar school capacity by 28 MW_{dc}, tripling its pre-SFS solar school capacity. Through SFS, Minnesota has more solar schools than the national average. ([Brighter Future: A Study on Solar in U.S. K-12 Schools](#)).

There are roughly 360 Independent, Special, and Cooperative school districts in Minnesota. The 141 SFS grantees alone, illustrated in Figure 6, represent 69 unique school districts, bringing the total number of districts in the state with solar to 102. The districts are comprised of an estimated 1500 individual school buildings, excluding any duplicate addresses, administrative buildings, and virtual classrooms.

In total, once the program funding is fully expended, Minnesota will be home to nearly 400 solar schools with a cumulative capacity of nearly 42 MW_{dc}. The Solar for Schools program is, therefore, likely to result in nearly 30% of school buildings being solarized across the state, triple the current national average. ([Minnesota Department of Education Schools and Districts Database](#)).

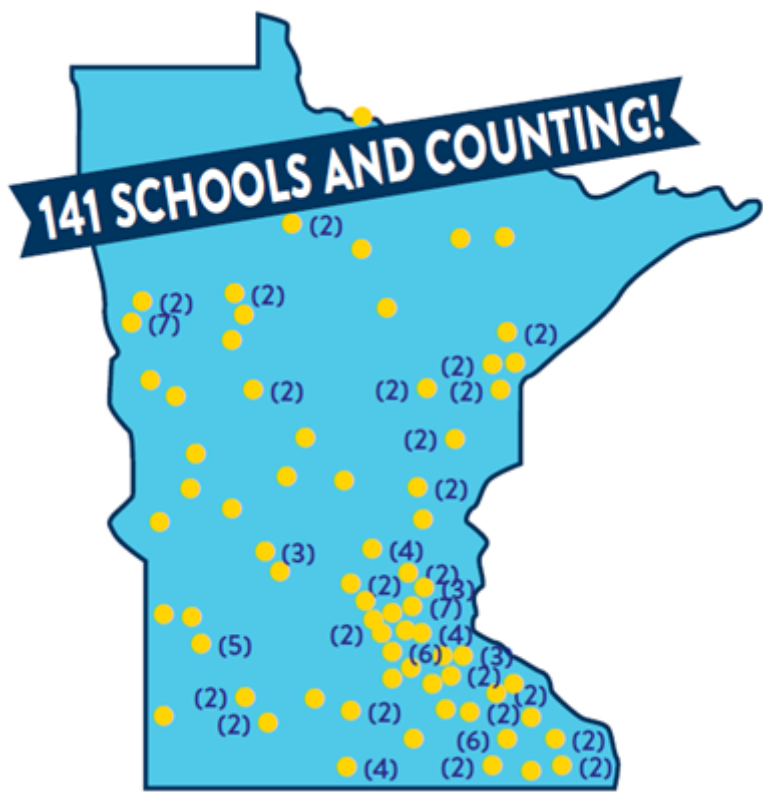


Figure 6 Map of 141 Solar for Schools Grant Recipients

Attachment 1: Comprehensive List of Solar for Schools Grantees

Table 7: Solar for Schools Grant Recipients

SFS ID	District Name	School/Building Install Location	Install Address	Final System Size kWdc	Estimated Y1 System Energy Production (kWh)	Estimated System Y1 Electricity Savings (\$)	Estimated Lifetime Value of Electric Savings	Final Grant Amount
SFS22-1040	Albert Lea Public School District	Halverson Elementary	707 E. 10th St. Albert Lea MN 56007	59.2	66,600.00	\$4,195.80	\$134,178.00	\$102,000.00
SFS22-1043	Albert Lea Public School District	Southwest Middle	1601 West Front St. Albert Lea MN 56007	59.2	66,304.00	\$4,183.78	\$133,794.00	\$102,000.00
SFS22-1038	Albert Lea Public School District	Albert Lea High	2000 Tiger Ln. Albert Lea MN 56007	59.04	66,420.00	\$5,194.04	\$166,101.00	\$102,000.00
SFS22-1039	Albert Lea Public School District	Sibley Elementary	1501 W Front St, Albert Lea, MN 56007-2477	59.04	66,420.00	\$5,194.04	\$166,101.00	\$102,000.00
SFS23-3010	Anoka Ramsey Community College	Cambridge Campus	300 Spirit River Dr South Cambridge, MN 55008-5704	50.44	64,311.00	\$3,762.19	\$147,162.00	\$87,111.00
N/A	Anoka-Hennepin Public School District	Adams Elementary School	8989 Sycamore St NW, Coon Rapids, MN 55433-5723	102.91	121,868.70	\$-	\$-	\$141,366.48
N/A	Anoka-Hennepin Public School District	Hoover Elementary School	2369 109th Ave NW, Coon Rapids, MN 55433-4516	287	335,588.34	\$-	\$-	\$335,135.34
SFS22-1103	Ashby Public School District	Ashby Public School	300 Birch Ave. Ashby MN 56309	48.23	55,264.00	\$4,734.00	\$158,238.00	\$102,000.00
SFS22-3002	Barnesville Public Schools	High		46.56	64,388.00	\$7,069.80	\$226,087.00	\$84,000.00
SFS24-5055	Bertha-Hewitt Public Schools	Bertha-Hewitt Elementary	310 Central Ave S, Bertha, MN 56437	386.88	435,240.00	\$50,400.79	\$1,845,381.00	\$486,630.00
N/A	Bloomington Public Schools	John F. Kennedy High School	9701 Nicollet Ave S, Bloomington, MN 55420-4448	492.82	572,591.81	\$-	\$-	\$574,010.73
SFS24-5010	Bloomington Public Schools	Normandale Hills Elementary	9501 Toledo Ave S, Bloomington, MN 55437	130.56	146,880.00	\$12,749.18	\$466,832.00	\$114,452.00

SFS ID	District Name	School/Building Install Location	Install Address	Final System Size kWdc	Estimated Y1 System Energy Production (kWh)	Estimated System Y1 Electricity Savings (\$)	Estimated Lifetime Value of Electric Savings	Final Grant Amount
SFS22-1052	Braham Area Schools	Braham High School	531 Elmhurst Ave. S. Braham MN 55006	49.6	57,875.00	\$3,472.50	\$118,383.00	\$101,902.00
SFS22-1053	Braham Area Schools	Braham Elementary School	528 SW 8th St. Braham MN 55006	40.8	47,609.00	\$2,856.54	\$97,383.00	\$92,603.00
SFS24-5026	Brandon-Evansville Public Schools	Evansville Elementary	123 2nd Ave W, Evansville, MN 56326	52	62,283.00	\$6,844.90	\$233,310.00	\$64,247.00
SFS24-5029	Brandon-Evansville Public Schools	Brandon High School	206 W 3rd St, Brandon, MN 56315	52	61,559.00	\$6,974.63	\$237,776.00	\$63,200.00
SFS22-1019	Byron School District	Byron High School	1887 2nd Ave NW Byron MN 55920	59.2	66,008.00	\$4,653.56	\$148,817.00	\$102,000.00
SFS22-3012	Caledonia Area Public Schools	Middle/High	825 N. Warrior Ave. Caledonia MN 55921	50	70,096.00	\$5,117.01	\$164,713.00	\$101,575.00
SFS22-3013	Caledonia Area Public Schools	Elementary	511 W. Main St. Caledonia MN 55921	59.04	70,197.00	\$5,124.38	\$164,950.00	\$102,000.00
SFS24-5080	Carlton Public Schools	South Terrace Elementary School	530 Stine Drive, Carlton, MN 55718.	175.68	197,640.00	\$22,886.71	\$837,977.00	\$167,868.00
SFS22-1078	Centennial School District	Golden Lake Elementary	1 School Rd. Circle Pines MN 55014	59.2	66,600.00	\$3,563.10	\$113,945.00	\$102,000.00
SFS24-5047	Clinton-Graceville-Beardsley Public Schools	Secondary School-Graceville	712 Third St. Graceville, MN 56225	74.9	88,960.00	\$9,874.56	\$320,004.00	\$62,340.00
SFS22-1004	Cloquet Public Schools	Cloquet Secondary Campus	2001 Washington Ave Cloquet MN 55720	45.92	47,717.00	\$3,120.69	\$106,389.00	\$107,458.00
SFS24-5059	Columbia Heights Public Schools	Valley View Elementary	800 49th Ave NE, Columbia Heights, MN 55421	60.96	68,580.00	\$5,952.74	\$217,969.00	\$90,690.00
SFS24-5060	Columbia Heights Public Schools	Highland Elementary	1500 49th Ave NE Columbia Heights, MN 55421	94.56	106,380.00	\$9,233.78	\$338,110.00	\$125,000.00
SFS22-1054	Delano Public Schools	Delano High School	700 Elm Ave. E. Delano MN 55328	59.2	66,600.00	\$4,375.62	\$139,929.00	\$102,000.00

SFS ID	District Name	School/Building Install Location	Install Address	Final System Size kWdc	Estimated Y1 System Energy Production (kWh)	Estimated System Y1 Electricity Savings (\$)	Estimated Lifetime Value of Electric Savings	Final Grant Amount
SFS22-1056	Delano Public Schools	Delano Intermediate School	683 Tiger Dr. Delano MN 55328	59.2	66,304.00	\$4,356.17	\$139,307.00	\$102,000.00
SFS24-5025	Dilworth-Glyndon-Felton Public Schools	DGF Elementary	110 N Main, Dilworth, MN 56529	336	378,000.00	\$32,810.40	\$1,201,406.00	\$453,960.00
SFS22-1090	Esko Public Schools	Esko Athletic Center / School Forest Classroom	60 Canosia Rd. Esko MN 55733	29.52	38,350.00	\$3,268.31	\$112,901.00	\$86,700.00
SFS24-5012	Hastings Public Schools	Hastings Highschool	200 General Sieben Drive, Hastings, MN 55033	240	270,000.00	\$23,436.00	\$858,147.00	\$265,520.00
SFS24-5014	Hastings Public Schools	Kennedy Elementary	1175 Tyler St, Hastings, MN 55033	320.64	408,816.00	\$35,362.58	\$1,295,127.00	\$403,810.00
SFS22-1088	Hermantown Community Schools	Hermantown Senior High	4335 Hawk Circle Dr. Hermantown MN 55811	59.2	66,008.00	\$6,151.95	\$196,734.00	\$102,000.00
SFS22-1089	Hermantown Community Schools	Hermantown Middle School	4335 Hawk Circle Dr. Hermantown MN 55811	59.2	66,600.00	\$7,798.86	\$249,401.00	\$102,000.00
SFS22-3016	Hill City Public School District	Hill City High	500 Ione Ave. Hill City MN 55748	59.04	66,420.00	\$6,110.64	\$195,414.00	\$102,000.00
SFS22-1031	Hinckley-Finlayson School District	Hinckley-Finlayson High School	201 Main St. E Hinckley MN 55037	59.2	66,600.00	\$7,792.20	\$249,188.00	\$102,000.00
SFS22-1033	Hinckley-Finlayson School District	Hinckley Elementary	111 Blair Ave. S. Hinckley MN 55037	59.2	66,600.00	\$7,792.20	\$249,188.00	\$102,000.00
SFS22-1129	Houston Public Schools	Houston High School	306 West Elm St. Houston MN 55943	49.6	59,548.00	\$3,632.43	\$123,836.00	\$111,674.00
SFS22-1130	Houston Public Schools	Houston Elementary / Bus Garage	306 West Elm St. Houston MN 55943	49.6	59,560.00	\$3,633.16	\$123,860.00	\$113,750.00
SFS24-5009	Intermediate District 287	South Education Center	7450 Penn Avenue South, Richfield, MN 55423	371.5	414,245.00	\$35,956.47	\$1,316,603.00	\$328,484.00
SFS24-5004	International Falls	International Falls Highschool	1515 11th Street International Falls, MN 56649	410.9	581,300.00	\$44,760.10	\$12,795,763.00	\$500,000.00

SFS ID	District Name	School/Building Install Location	Install Address	Final System Size kWdc	Estimated Y1 System Energy Production (kWh)	Estimated System Y1 Electricity Savings (\$)	Estimated Lifetime Value of Electric Savings	Final Grant Amount
SFS23-4012	Janesville Waldorf Pemberton Schools	High School	110 E 3rd Street, Janesville, MN 56048-0389	59.04	66,420.00	\$7,113.58	\$227,487.00	\$84,000.00
SFS24-5051	Lake Benton Public Schools	Lake Benton Elementary	101 South Garfield	45.6	62,000.00	\$7,322.20	\$249,593.00	\$41,796.00
SFS23-4010	Lake Crystal Wellcome Memorial School District	Secondary School	607 Knights Lane, Lake Crystal, MN 56055-0160	59.04	66,420.00	\$2,723.22	\$87,086.00	\$84,000.00
SFS23-4011	Lake Crystal Wellcome Memorial School District	Elementary	502 E Watonwan Street, Lake Crystal, MN 56055-0160	59.04	66,420.00	\$2,723.22	\$87,086.00	\$84,000.00
SFS22-1013	Lakeville Public School District	Kenwood Trail Middle School	19455 Kenwood Tr. Lakeville MN 55044	59.2	66,000.00	\$3,689.40	\$117,998.00	\$102,000.00
SFS22-1016	Lakeville Public School District	Century Middle School	18610 Ipava Ave. Lakeville MN 55044	59.2	66,600.00	\$3,722.94	\$119,057.00	\$102,000.00
SFS22-1012	Lakeville Public School District	Oak Hills Elementary	8640 165th St. W Lakeville MN 55044	59.04	66,420.00	\$4,709.18	\$150,596.00	\$102,000.00
SFS22-1015	Lakeville Public School District	Cherry View Elementary	8600 175th St. W Lakeville MN 55044	59.04	66,420.00	\$4,709.18	\$150,596.00	\$102,000.00
SFS22-1014	Lakeville Public School District	Eastview Elementary	18060 Ipava Ave, Lakeville, MN 55044-9452	59.04	66,420.00	\$5,253.82	\$168,013.00	\$102,000.00
SFS22-1017	Lakeville Public School District	Orchard Lake Elementary	16531 Klamath Trail, Lakeville, MN 55044-9452	59.04	66,420.00	\$4,709.18	\$150,596.00	\$102,000.00
SFS23-4009	Lakeville Public School District	Highview Elementary	18600 Huntley Trail, Lakeville, MN 55044-9452	59.04	66,420.00	\$4,709.18	\$150,596.00	\$102,000.00
SFS22-3019	Laporte Public School District	Laporte High	315 Main St. W. Laporte MN 56461	59.04	66,420.00	\$4,981.50	\$159,304.00	\$84,000.00
SFS23-4006	Lewiston Altura Public Schools	High School	100 County Rd 25, Lewiston, MN 55952-2117	218.5	290,580.00	\$20,631.18	\$1,006,711.00	\$214,130.00

SFS ID	District Name	School/Building Install Location	Install Address	Final System Size kWdc	Estimated Y1 System Energy Production (kWh)	Estimated System Y1 Electricity Savings (\$)	Estimated Lifetime Value of Electric Savings	Final Grant Amount
SFS23-4007	Lewiston Altura Public Schools	Elementary	115 Fremont St S, Lewiston, MN 55952-2117	186.3	223,311.00	\$15,855.08	\$847,194.00	\$210,519.00
SFS22-1131	Lyle Public School District	Lyle Elementary	700 2nd St. Lyle MN 55953	59.04	66,420.00	\$5,027.99	\$160,791.00	\$102,000.00
SFS22-3007	Mankato Area Public Schools	Dakota Meadows Middle School	1900 W Howard Dr North Mankato MN 56003	49.5	61,788.00	\$5,746.28	\$184,969.00	\$84,000.00
SFS22-3008	Mankato Area Public Schools	Prairie Winds Middle	1200 Prairie Winds Drive	49.5	61,788.00	\$5,746.28	\$184,969.00	\$84,000.00
SFS22-1117	Marshall Public Schools	Marshall High School	1300 E. Lyon St. Marshall MN 56258	49.6	65,670.00	\$3,743.19	\$126,368.00	\$101,809.00
SFS22-1118	Marshall Public Schools	Marshall Middle School	401 S Saratoga St. Marshall MN 56258	49.6	65,670.00	\$3,677.52	\$126,301.00	\$99,913.00
SFS22-1119	Marshall Public Schools	Park Side Elementary	400 Tiger Dr. Marshall MN 56258	49.6	65,670.00	\$3,743.19	\$126,368.00	\$101,809.00
SFS22-1120	Marshall Public Schools	Southview Elementary	601 E Southview Dr. Marshall MN 56258	49.6	66,223.00	\$3,708.49	\$126,428.00	\$99,913.00
SFS22-1137	Marshall Public Schools	CTE Center	900 N. Hwy 59 Marshall MN 56258	49.6	66,197.00	\$5,295.76	\$180,541.00	\$93,691.00
SFS23-4017	Menahga Public School District	High	216 Aspen Ave SE, Menahga, MN 56464	59.04	65,534.00	\$5,583.50	\$178,556.00	\$114,000.00
SFS23-4018	Menahga Public School District	Elementary	216 Aspen Ave SE, Menahga, MN 56464-0160	59.04	66,420.00	\$5,658.98	\$178,556.00	\$114,000.00
SFS22-3017	Mesabi East School District	Mesabi East Elementary	601 N. 1st St. W. Aurora MN 55705	59.04	66,420.00	\$5,658.98	\$180,970.00	\$102,000.00
SFS24-5020	Minneapolis Public Schools	Hall STEM Academy	1601 Aldrich Ave N, Minneapolis, MN 55411	230.3	286,005.00	\$47,133.62	\$1,606,855.00	\$183,107.00
SFS24-5021	Minneapolis Public Schools	Franklin STEAM Middle School	1501 Aldrich Ave N, Minneapolis MN 55411	314.2	382,864.00	\$63,095.99	\$2,151,036.00	\$238,562.00

SFS ID	District Name	School/Building Install Location	Install Address	Final System Size kWdc	Estimated Y1 System Energy Production (kWh)	Estimated System Y1 Electricity Savings (\$)	Estimated Lifetime Value of Electric Savings	Final Grant Amount
SFS24-5007	Minneota Public School	Minneota Public School	504 N Monroe St, Minneota, MN 56264	47.56	53,114.00	\$5,417.63	\$187,178.00	\$60,000.00
SFS22-2004	Minnesota West Community & Technical College	Canby Campus	1011 1st St. SW Canby MN 56220	50	65,512.00	\$5,383.12	\$134,578.03	\$48,000.00
SFS22-1071	Moorhead Area Public Schools	Horizon Middle School	3601 12th Ave. S. Moorhead MN 56560	59.2	66,600.00	\$3,336.66	\$106,704.00	\$102,000.00
SFS22-1073	Moorhead Area Public Schools	Probstfield Elementary	2410 145h St. S. Moorhead MN 56560	59.2	66,600.00	\$3,336.66	\$106,704.00	\$102,000.00
SFS22-1069	Moorhead Area Public Schools	Dorothy Dodds Elementary	4400 24th Ave. S., Moorhead, MN 56560-4624	59.04	66,420.00	\$2,430.97	\$77,741.00	\$102,000.00
SFS22-1072	Moorhead Area Public Schools	Moorhead High School	2300 4th Ave S, Moorhead, MN 56560-4624	59.04	66,420.00	\$2,430.97	\$77,741.00	\$102,000.00
SFS22-1075	Moorhead Area Public Schools	S.G. Reinertsen Elementary	1201 40th Ave S, Moorhead, MN 56560-4624	59.04	66,420.00	\$2,430.97	\$77,741.00	\$102,000.00
SFS23-4001	Moorhead Area Public Schools	Alternative Learning Center	2800 27th Ave S, Moorhead, MN 56560-4624	59.04	66,420.00	\$2,430.97	\$77,741.00	\$102,000.00
SFS23-4002	Moorhead Area Public Schools	Horizon East Middle School	3601 12th Ave S, Moorhead, MN 56560-4624	59.04	66,420.00	\$2,430.97	\$77,741.00	\$102,000.00
SFS22-1003	Moose Lake Public Schools	Moose Lake Community School	4812 County Rd 10 Moose Lake MN 55767	49.6	64,661.00	\$7,112.71	\$242,484.00	\$96,968.00
SFS22-1062	Mora Public Schools	Mora Elementary	200 9th St. N. Mora MN 55051	59.2	65,416.00	\$5,141.70	\$164,427.00	\$102,000.00
SFS22-1063	Mora Public Schools	Mora High School	118 N 9th St. Mora MN 55051	59.2	66,600.00	\$5,221.44	\$166,978.00	\$102,000.00
SFS22-1034	Morris Area Schools	Morris Elementary / High School	201 South Columbia Ave. Morris MN 56267	49.05	58,381.00	\$6,818.90	\$217,474.00	\$84,000.00

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SFS23-4003	New London - Spicer Schools	Prairie Wood Elementary	17435 County Road 9 NE, New London, MN 56273-8617	59.04	65,545.00	\$4,457.06	\$142,509.00	\$84,000.00
SFS23-4004	New London - Spicer Schools	Middle School	101 4th Ave SW, New London, MN 56273-8617	59.04	66,420.00	\$3,520.26	\$112,575.00	\$84,000.00
SFS23-4005	New London - Spicer Schools	High School	101 4th Ave SW, New London, MN 56273-8617	59.04	65,534.00	\$4,456.31	\$142,509.00	\$84,000.00
SFS22-1058	New York Mills Public School	New York Mills Public School	209 Hayes St. New York Mills MN 56567	59.2	66,600.00	\$4,355.64	\$139,290.00	\$102,000.00
SFS24-5063	North St. Paul Maplewood-Oakdale Schools	Richardson Elementary	2615 1st Street, North St. Paul, MN 55109	59.52	703,620.00	\$77,116.75	\$2,824,533.00	\$83,495.00
SFS24-5064	North St. Paul Maplewood-Oakdale Schools	Carver Elementary	2680 Upper Afton Rd, Maplewood, MN 55119	327.8	368,820.00	\$32,013.58	\$1,172,229.00	\$362,275.00
SFS24-5090	North St. Paul Maplewood-Oakdale Schools	Justice Alan Page Elementary	2410 Holloway Avenue East Maplewood, MN, 55109	196.8	221,400.00	\$19,217.52	\$703,681.00	\$228,000.00
SFS22-1121	Osseo Area Public Schools	Basswood Elementary	15425 Bass Lake Rd Maple Grove MN 55369	59.2	66,600.00	\$4,788.54	\$153,134.00	\$84,000.00
SFS22-1124	Osseo Area Public Schools	Oak View Elementary	6710 E. Fish Lake RD Maple Grove MN 55369	59.2	65,712.00	\$4,731.26	\$151,302.00	\$84,000.00
SFS22-1122	Osseo Public School District	Cedar Island Elementary	6777 Hemlock Ln N. Maple Grove MN 55369	59.04	66,420.00	\$4,722.46	\$151,021.00	\$84,000.00
SFS22-1123	Osseo Public School District	Maple Grove Middle	7000 Hemlock Ln. N. Maple Grove MN 55369	59.04	66,420.00	\$4,722.46	\$151,021.00	\$84,000.00
N/A	Osseo Public School District	Park Center High School	7300 Brooklyn Blvd, Brooklyn	524.8	610,181.06	\$-	\$-	\$611,432.43

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			Park, MN 55443-3301					
SFS24-5061	Park Rapids Public Schools	Park Rapids High School	501 Helten Ave, Park Rapids, MN 56470	729.6	930,240.00	\$91,256.54	\$3,343,370.00	\$500,000.00
SFS24-5091	Plainview Elgin Millville Community Schools	PEM Junior High	70 1st St. SE, Elgin, MN 55932	59.52	66,960.00	\$4,218.48	\$135,790.00	\$81,460.00
SFS24-5092	Plainview Elgin Millville Community Schools	PEM High School	500 W Broadway, Plainview, MN 55964	59.52	66,960.00	\$4,218.48	\$135,790.00	\$83,030.00
SFS22-1110	Plainview Elgin Millville Community Schools	Plainview-Elgin-Millville 4-6	210 2nd St. SW Elgin MN 55932	59.2	66,600.00	\$4,695.30	\$150,152.00	\$102,000.00
SFS22-1113	Plainview Elgin Millville Community Schools	Plainview-Elgin-Millville Pk-3	600 West Broadway Plainview MN 55964	59.2	66,600.00	\$4,695.30	\$150,152.00	\$102,000.00
SFS22-1025	Proctor Public School District	Pike Lake Elementary	5682 Martin Rd. Duluth MN 55811	59.2	66,600.00	\$7,792.20	\$249,188.00	\$102,000.00
SFS22-1026	Proctor Public School District	Bay View Elementary	8708 Vinland St. Duluth MN 55810	59.2	66,600.00	\$7,792.20	\$249,188.00	\$102,000.00
SFS22-1024	Proctor Public School District	Proctor High	131 9th Ave. Proctor MN 55810	59.04	66,420.00	\$5,732.05	\$183,306.00	\$102,000.00
SFS24-5001	Red Lake	Poneham Elementary	25039 Abinoojinh Dr., Ponemah, MN 56666	56.64	64,105.00	\$4,750.18	\$164,506.00	\$87,500.00
SFS24-5043	Red Lake	Red Lake Secondary	23990 Highway 1 (Weasel Rd.), Red Lake, MN 56671	56.64	64,423.00	\$4,773.74	\$165,322.00	\$87,500.00
N/A	Richfield Public Schools	Richfield STEM School	7020 12th Avenue S, Richfield, MN 55423	202.54	234,289.80	\$-	\$-	\$235,493.92
SFS22-1091	Rochester Public School District	Dakota Middle School	5501 65th St. NW Rochester MN 55901	59.2	66,600.00	\$4,788.54	\$153,134.00	\$84,000.00
SFS22-1094	Rochester Public School District	Longfellow Elementary School	2435 20th St. SE Rochester MN 55902	59.2	66,600.00	\$4,788.54	\$153,134.00	\$84,000.00

SFS ID	District Name	School/Building Install Location	Install Address	Final System Size kWdc	Estimated Y1 System Energy Production (kWh)	Estimated System Y1 Electricity Savings (\$)	Estimated Lifetime Value of Electric Savings	Final Grant Amount
SFS22-1092	Rochester Public School District	Overland Elementary	2300 Overland Dr. NW Rochester MN 55901	50.4	60,353.00	\$3,922.95	\$126,277.00	\$84,000.00
SFS22-1093	Rochester Public School District	Bishop Elementary	406 36th Ave. NW Rochester MN 55901	50.4	59,618.00	\$6,557.98	\$211,097.00	\$83,967.00
SFS24-5066	Rochester Public School District	Elton Hills Elementary	1421 Elton Hills Dr NW Rochester MN 55901	66.7	78,704.00	\$5,666.69	\$182,407.00	\$81,374.00
SFS24-5067	Rochester Public School District	Hoover Elementary School	369 Elton Hills Dr NW Rochester MN 55901	59.52	66,960.00	\$4,238.57	\$136,393.00	\$82,715.00
SFS24-5086	Rock Ridge Public Schools	Laurentian Elementary	1409 Progress Parkway, Eveleth, MN 55734	348.48	392,040.00	\$12,872.87	\$1,662,217.00	\$460,476.00
SFS24-5050	Rosemount-Apple Valley-Eagan School District	Elementary School Number 20 (unnamed)	N/A	328	370,027.00	\$33,302.43	\$1,071,981.00	\$361,133.00
SFS22-1035	Rosemount-Apple Valley-Eagan School District	School of Environmental Studies	12155 Johny Cake Ridge Rd. Apple Valley MN 55124	26	29,250.00	\$1,638.00	\$52,382.00	\$62,900.00
N/A	Rosemount-Apple Valley-Eagan School District	Rosemount High School	3335 142ND St W, Rosemount, MN 55068-4006	212.94	254,772.94	\$-	\$-	\$123,203.18
N/A	Roseville Public School District	Little Canada Elementary	400 Eli Road, Little Canada, MN 55117	234.93	273,248.91	\$-	\$-	\$273,750.56
N/A	Roseville Public School District	Edgerton Elementary School	1929 Edgerton Street, Maplewood, MN 55117	144.32	167,728.67	\$-	\$-	\$196,979.47
N/A	Roseville Public School District	Harambee Elementary	30 County Road B East, Maplewood, MN 55117	59.04	66,300.27	\$-	\$-	\$91,464.11
SFS22-1086	Rothsay Public Schools	Rothsay Public School	2040 County Rd. 52 Rothsay MN 56579	48.23	55,997.00	\$4,457.36	\$148,962.00	\$84,000.00

SFS ID	District Name	School/Building Install Location	Install Address	Final System Size kWdc	Estimated Y1 System Energy Production (kWh)	Estimated System Y1 Electricity Savings (\$)	Estimated Lifetime Value of Electric Savings	Final Grant Amount
SFS22-1101	Saint Peter Public School District	St. Peter High School	2121 West Broadway Ave. Saint Peter MN 56082	51.06	55,539.00	\$4,165.00	\$151,853.00	\$102,000.00
SFS22-1102	Saint Peter Public School District	St. Peter Middle School	100 Lincoln Dr. Saint Peter MN 56082	51.06	55,539.00	\$4,165.43	\$151,853.00	\$102,000.00
SFS22-1049	Shakopee Public School District	Shakopee East Middle School	1137 Marshall Rd. Shakopee MN 55379	51.87	65,055.00	\$5,100.31	\$135,377.19	\$102,000.00
SFS22-1051	Shakopee Public School District	Sweeney Elementary	1001 Adams St. S. Shakopee MN 55379	51.87	65,013.00	\$5,097.02	\$135,291.87	\$102,000.00
SFS22-1076	Sleepy Eye Public Schools	Sleepy Eye Elementary	400 4th Ave. SW Sleepy Eye MN 56085	59.2	66,600.00	\$5,148.18	\$164,635.00	\$66,000.00
SFS22-1077	Sleepy Eye Public Schools	Sleepy Eye High School	400 4th Ave. SW Sleepy Eye MN 56085	59.2	66,600.00	\$5,148.18	\$164,635.00	\$66,000.00
SFS23-4333	Spring Grove School District	Elementary / Secondary	113 2nd Ave NW Spring Grove MN 55974	47.97	64,388.00	\$7,069.80	\$226,087.00	\$102,000.00
SFS23-4019	Spring Lake Park Schools	Westwood Intermediate/Middle School	711 91st Ave NE, Blaine, MN 55432-2111	328	391,432.00	\$20,550.18	\$1,321,206.00	\$336,862.00
SFS23-4021	Spring Lake Park Schools	Centerview Elementary	10365 Davenport St NE, Blaine, MN 55432-2111	187.4	228,219.00	\$11,981.50	\$833,643.00	\$219,287.00
SFS24-5081	St. Charles Public Schools	St. Charles High School	600 E 6th Street, St. Charles, MN 55972	59.52	66,960.00	\$6,528.60	\$210,151.00	\$83,030.00
SFS24-5082	St. Charles Public Schools	St. Charles Elementary School	925 Church Ave, St. Charles, MN 55972	59.52	66,960.00	\$6,528.60	\$210,151.00	\$81,960.00
SFS22-1067	St. James Public Schools	St. James Middle/High School	1273 10th Ave. N. St. James MN 56081	59.2	66,600.00	\$3,762.90	\$120,335.00	\$102,000.00
SFS22-1068	St. James Public Schools	Northside Elementary	1273 10th Ave. N. St. James MN 56081	59.2	66,600.00	\$3,762.90	\$120,335.00	\$102,000.00

SFS ID	District Name	School/Building Install Location	Install Address	Final System Size kWdc	Estimated Y1 System Energy Production (kWh)	Estimated System Y1 Electricity Savings (\$)	Estimated Lifetime Value of Electric Savings	Final Grant Amount
SFS22-1096	Stewartville School District	Bear Cave Intermediate	1021 10th St NW Stewartville MN 55976	49.6	58,628.00	\$3,634.94	\$123,922.00	\$96,078.00
SFS22-3004	Swanville Public Schools	Swanville Schools	19283 Morrison Line Rd. Swanville MN 56382	46.56	50,145.00	\$6,569.00	\$223,947.00	\$101,937.00
SFS22-1021	Tri City United School District	Tri-City High School	700 4th St NW Montgomery MN 55069	59.2	66,600.00	\$4,681.98	\$149,726.00	\$102,000.00
SFS22-1023	Tri City United School District	Le Center Elementary-Middle School	150 W Tyrone St. Le Center MN 56057	59.2	66,600.00	\$4,681.98	\$149,726.00	\$102,000.00
SFS22-1022	Tri City United School District	Montgomery Pre K-8	101 2nd St NE, Montgomery, MN 56069-1529	59.04	66,420.00	\$4,071.55	\$130,205.00	\$102,000.00
SFS22-1132	Verndale Public School District	Verndale Elementary	411 SW Brown St. Verndale MN 56481	59.2	65,712.00	\$7,694.88	\$246,076.00	\$114,000.00
SFS24-5044	West St. Paul-Mendota Heights-Eagan Schools	Friendly Hills Middle School	701 Mendota Heights Rd, Mendota Heights, MN 55120	162.24	182,520.00	\$15,842.74	\$580,107.00	\$167,860.00
SFS24-5045	West St. Paul-Mendota Heights-Eagan Schools	Two Rivers High School	1897 Delaware Ave, Mendota Heights, MN 55118	330.24	371,520.00	\$32,247.94	\$1,180,810.00	\$299,148.00
SFS24-5046	West St. Paul-Mendota Heights-Eagan Schools	Heritage E-STEM Magnet School	121 W Butler Ave, West St. Paul, MN 55118	216.96	244,080.00	\$21,186.14	\$775,765.00	\$207,888.00
SFS24-5017	White Bear Lake Public Schools	White Bear Lake High School	5040 Bald Eagle Avenue, White Bear Lake, MN 55110	469.44	528,120.00	\$45,840.82	\$1,678,535.00	\$457,930.00
SFS24-5018	White Bear Lake Public Schools	Vandnais Elementary	5040 Bald Eagle Avenue, White Bear	171.84	193,320.00	\$16,780.18	\$614,433.00	\$217,070.00

SFS ID	District Name	School/Building Install Location	Install Address	Final System Size kWdc	Estimated Y1 System Energy Production (kWh)	Estimated System Y1 Electricity Savings (\$)	Estimated Lifetime Value of Electric Savings	Final Grant Amount
			Lake, MN 55110					