

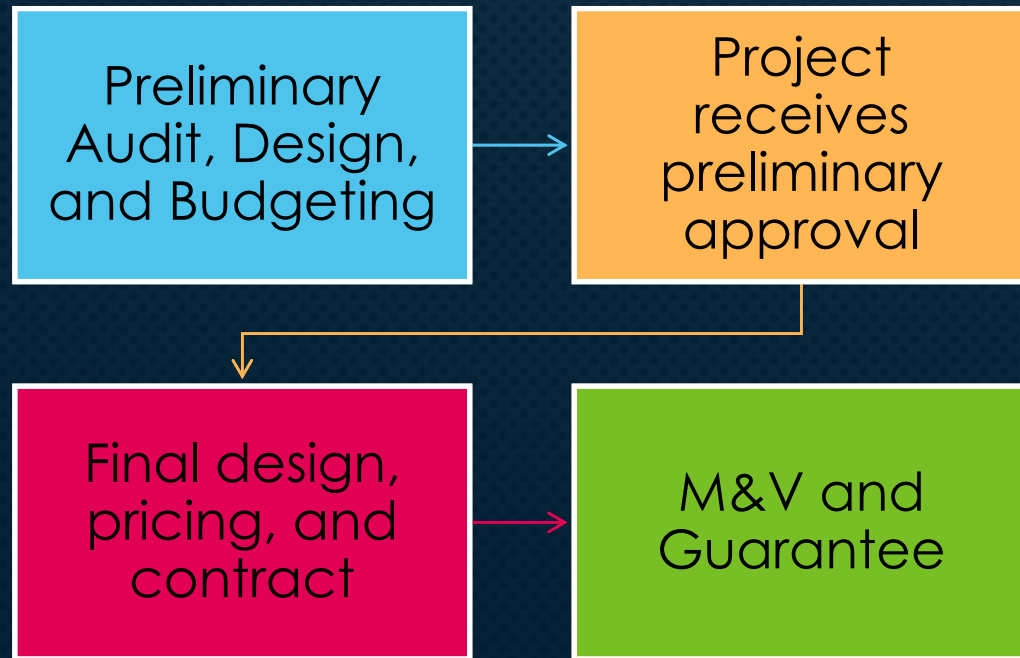


CITY OF DOVER

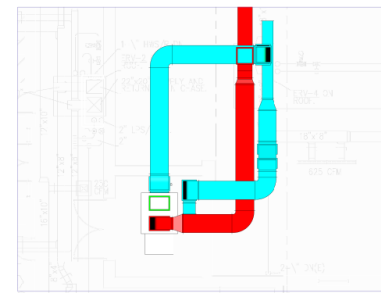
Scope & Solar **Updates**

March 11, 2026

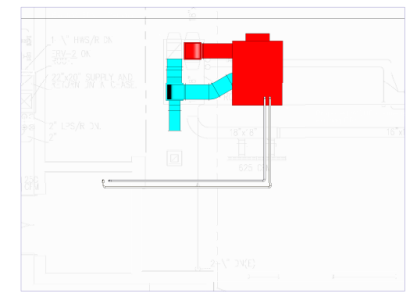
A PROCESS DESIGNED TO REDUCE CUSTOMER RISK & OVERALL COST



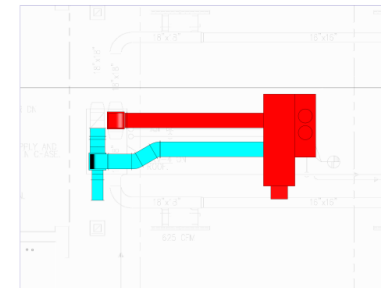
McConnell Roof and HVAC



Indoor WSHP



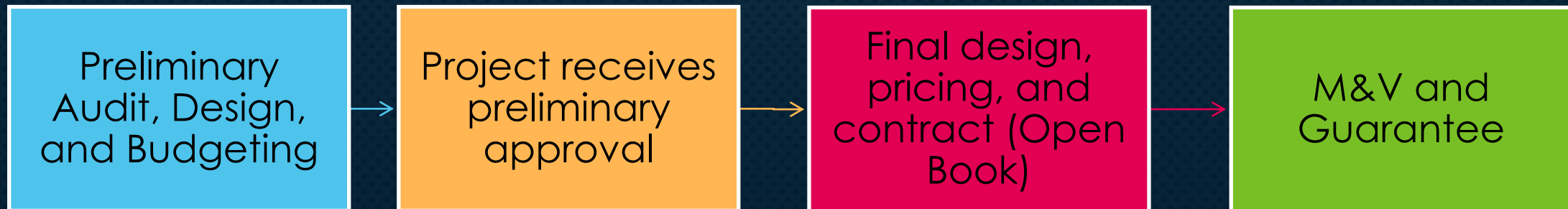
Outdoor WSHP



Outdoor ASHP



A PROCESS DESIGNED TO REDUCE CUSTOMER RISK & **OVERALL COST**



EEI SUCCESS STORIES



Portsmouth



Somersworth



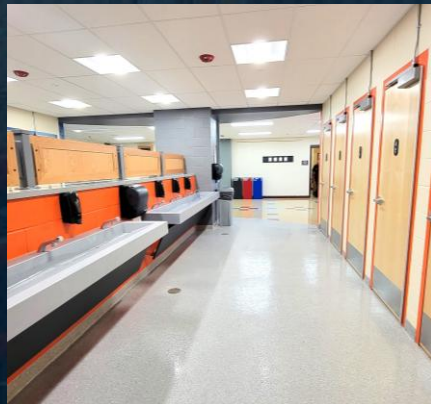
Timberlane Schools



Manchester



Franklin



Keene



Sunapee



Dover Schools

MECHANICAL UPGRADES

McCONNELL

McConnell Center	Cost
Boiler Replacement	\$335,000
Controls Upgrades	\$665,000
Replace Heat pump in Kind	\$1,036,800
Gym Dehumidification	\$350,000
Cooling Tower Replacement	\$279,300
TOTAL HVAC	\$2,666,100



\$33,00 in annual energy and operation savings

MCCONELL ISSUES OF CONCERN CONTROLS AND END OF LIFE HEAT PUMPS





POOR GYM DUCT AND VENTILATION



DOVER SOLAR

SUMMARY TABLE

Assumed 3% annual increase in rates

REC value based on current market rates

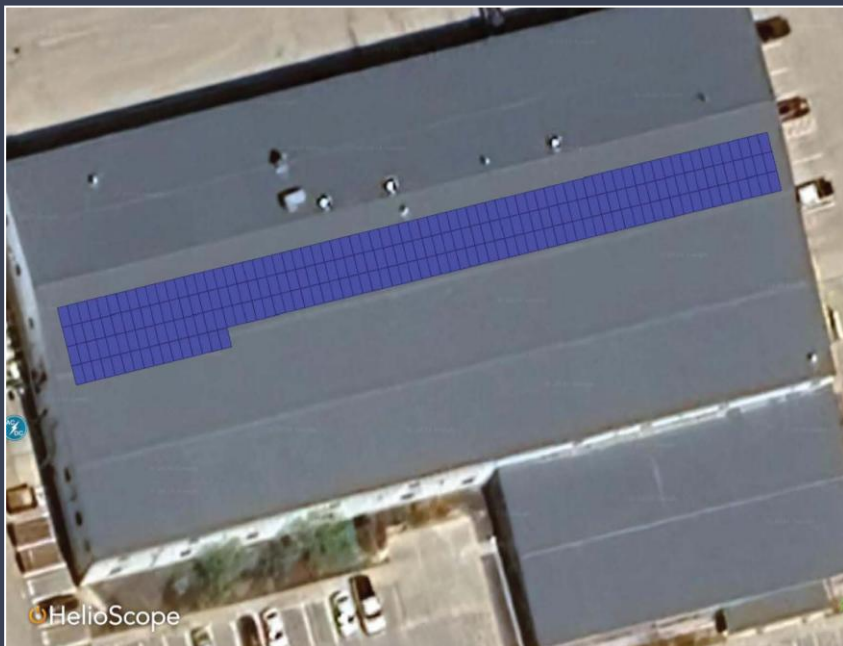
City Building	System Size (kW DC)	System Size (kW AC)	System Total Cost	Federal ITC	Net System Cost	Annual Production (kWh/yr)	Year 1 Utility Rate (\$/kWh)	Levelized Cost of Energy	Projected REC Value (\$/kWh)	Savings - Year 1	Savings - 25 years	System Payback (yrs)
Ice Arena	125	100	\$375,000	\$150,000	\$225,000	132,000	\$0.11	\$0.075	\$0.030	\$20,038	\$410,120	10.1
Community Services	125	100	\$375,000	\$150,000	\$225,000	132,000	\$0.16	\$0.075	\$0.030	\$26,591	\$608,105	7.9
McConnell Center	125	100	\$375,000	\$150,000	\$225,000	132,000	\$0.11	\$0.075	\$0.030	\$17,576	\$316,309	11.4
Fire Station - North End	56	45	\$182,000	\$72,800	\$109,200	59,025	\$0.16	\$0.082	\$0.030	\$11,820	\$261,015	8.5
104 French Cross	25	20	\$81,250	\$32,500	\$48,750	26,171	\$0.16	\$0.082	\$0.030	\$5,695	\$132,111	7.9
TOTALS	456	365	\$1,388,250	\$555,300	\$832,950	481,196				\$81,720	\$1,727,660	9.5

EEl will Guarantee ITC

Annual production decreases as warranted by manufacturer

Total payback is weighted average

UPDATES TO PROJECT DETAILS



To reduce ITC deadline risk, McConnell BESS will be presented as a separate project

Domestic content panels increase ITC from 30%-40%

Optimized design ahead of schedule: payback now 9.5 years

Project investment decreased by \$500k

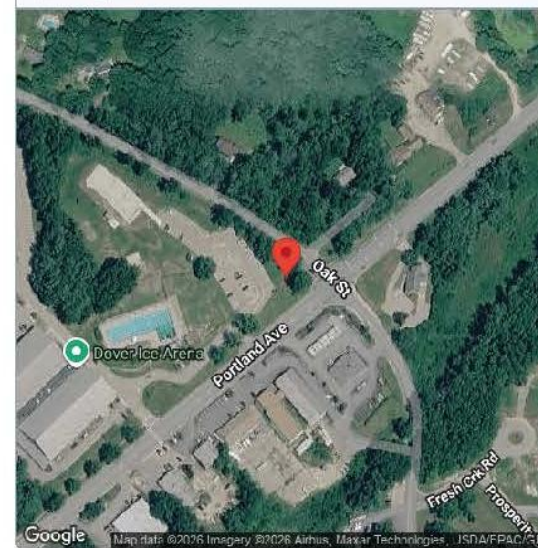
Project Details

Address	140 Portland Ave, Dover, NH, USA
Customer Name	City of Dover
Owner	Paul Dawson
Last Modified	Paul Dawson 3 days ago
Location	(43.20523299999999, -70.8599629) (GMT -5)
Profile	Default Commercial

System Metrics

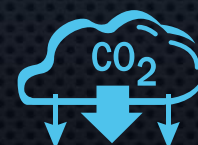
Design	Ice Arena
Module DC Nameplate	124.55 kW
Inverter AC Nameplate	100.00 kW Load Ratio: 1.25
Annual Production	131.0 MWh
Performance Ratio	70.5%
kWh/kWp	1,052.1
Weather Dataset	TMY, 10km grid (43.25,-70.85), NREL (prospector)
Simulator Version	e904549051-5abf85779f-481db701bd-6227c96bf6

Project Location



DOVER ICE ARENA

PRODUCTION REPORT



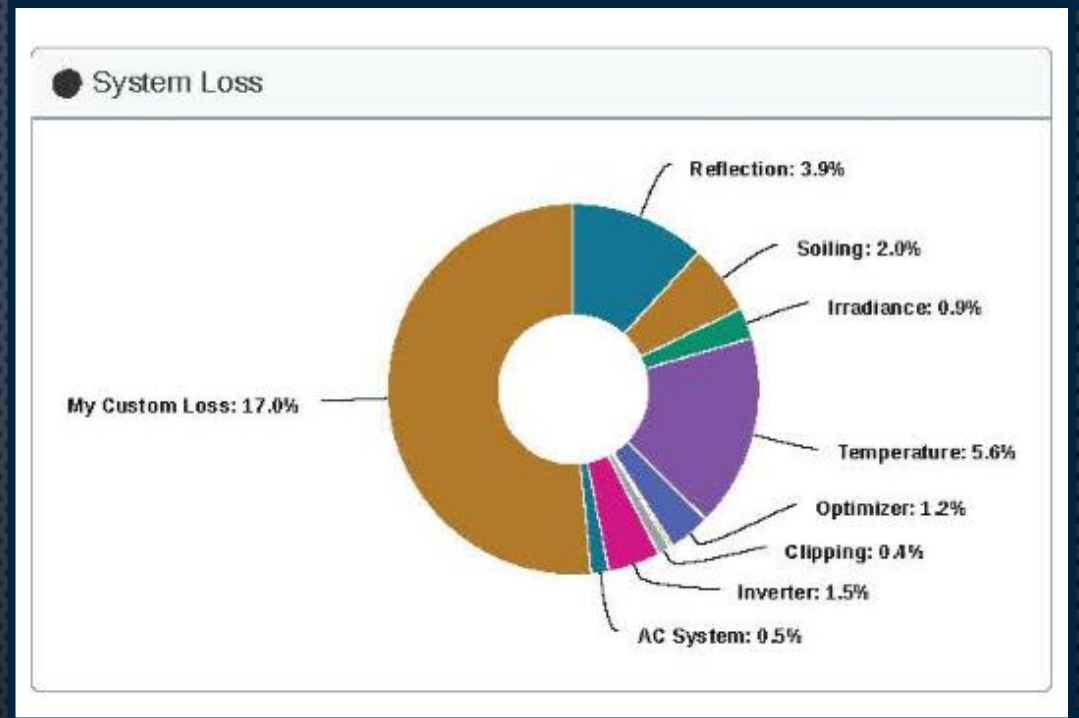
2,081
tons of
CO₂ offset



31,217
Trees
planted

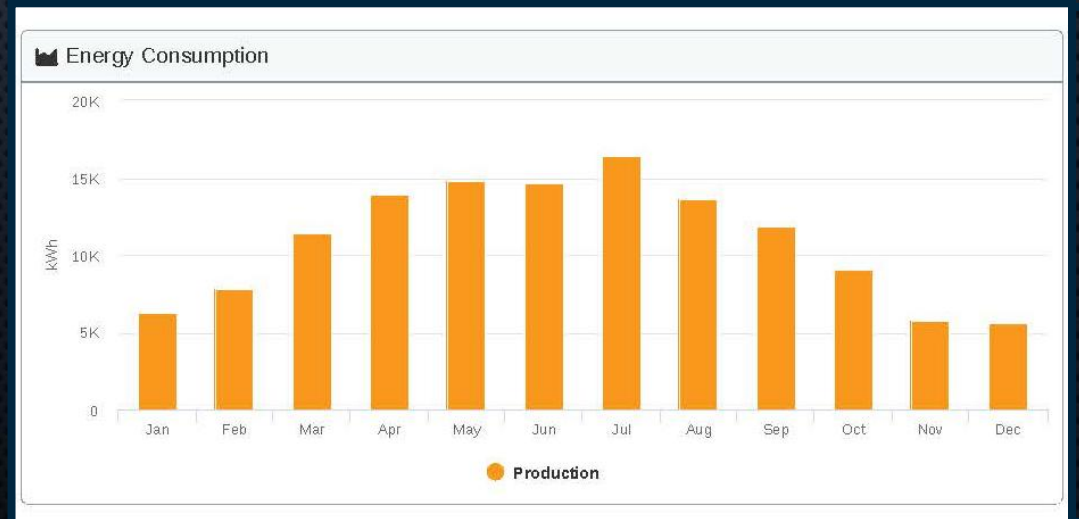


4.7M
miles driven
by cars



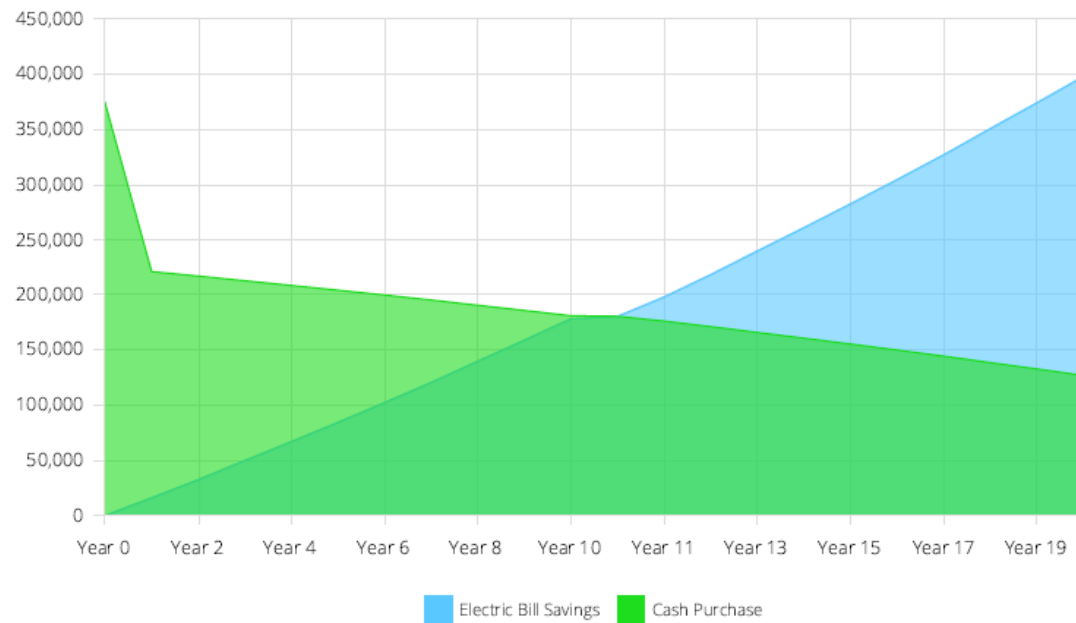
DOVER ICE ARENA

PRODUCTION REPORT

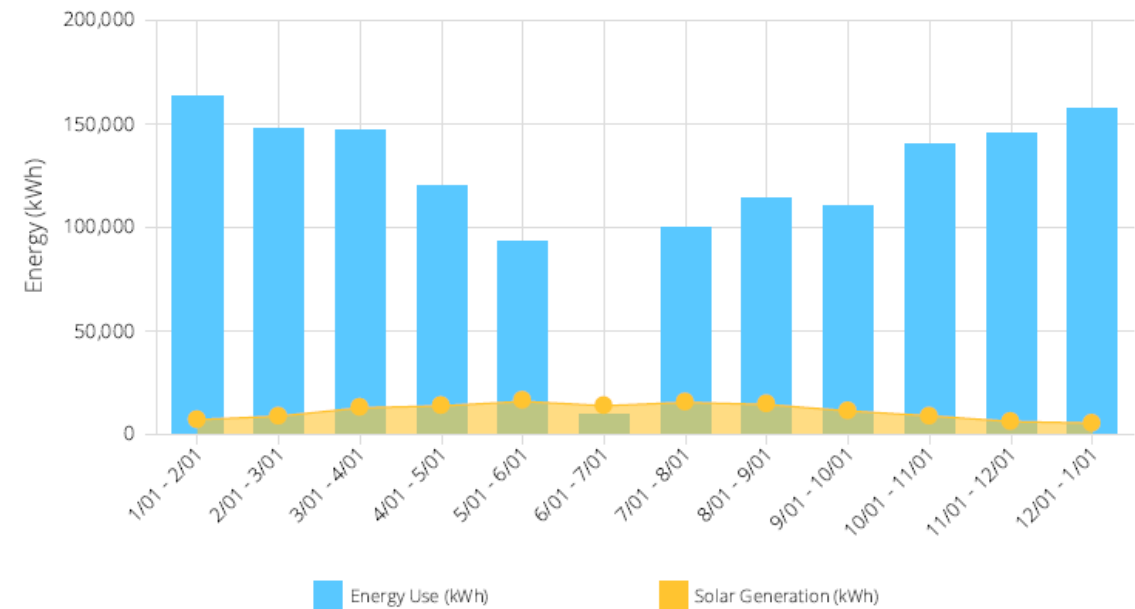


DOVER ICE ARENA

20 YEAR SAVINGS VS NET PAYMENT OPTION



MONTHLY ENERGY USE VS SOLAR GENERATION



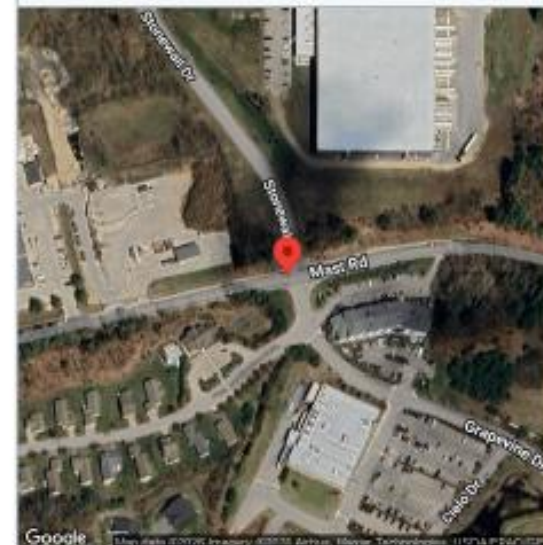
Project Details

Address	271 Mast Rd, Dover, NH, USA
Customer Name	City of Dover
Owner	Paul Dawson
Last Modified	Paul Dawson 3 days ago
Location	(43.16832479999998, -70.89503669999999) (GMT -5)
Profile	Default Commercial

System Metrics

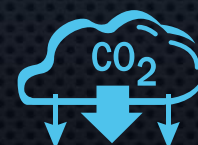
Design	Community Services
Module DC Nameplate	124.55 kW
Inverter AC Nameplate	100.00 kW Load Ratio: 1.25
Annual Production	132.6 MWh
Performance Ratio	69.2%
kWh/kWp	1,064.2
Weather Dataset	TMY, 10km grid (43.15,-70.85), NREL (prospector)
Simulator Version	e904549051-5abf85779f-481db701bd-6227c96bf6

Project Location



COMMUNITY SERVICES

PRODUCTION REPORT



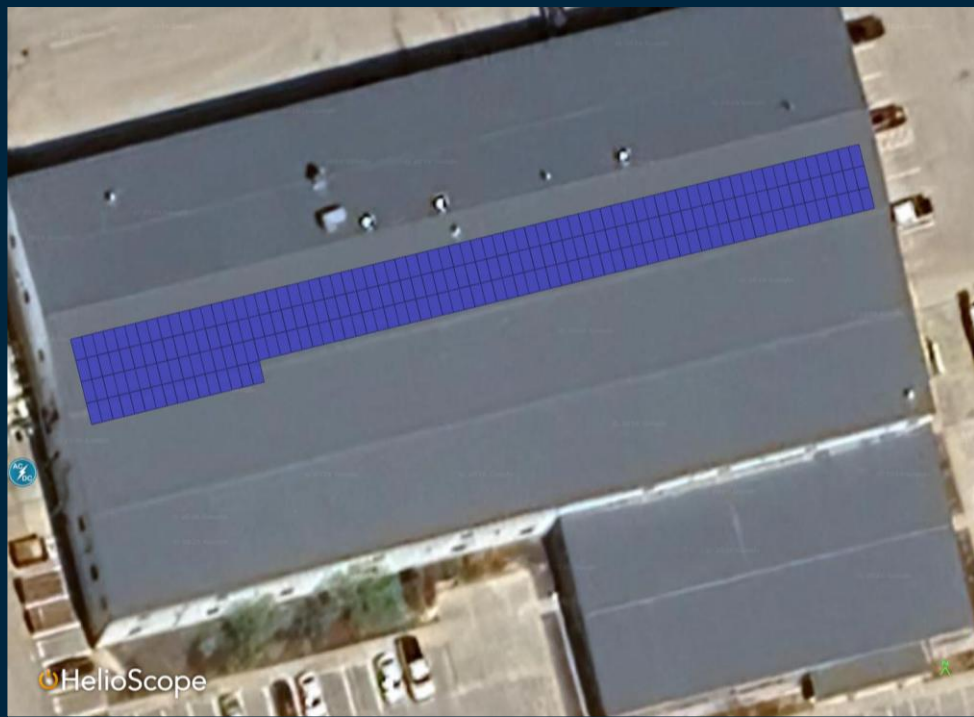
2,071
tons of
CO₂ offset



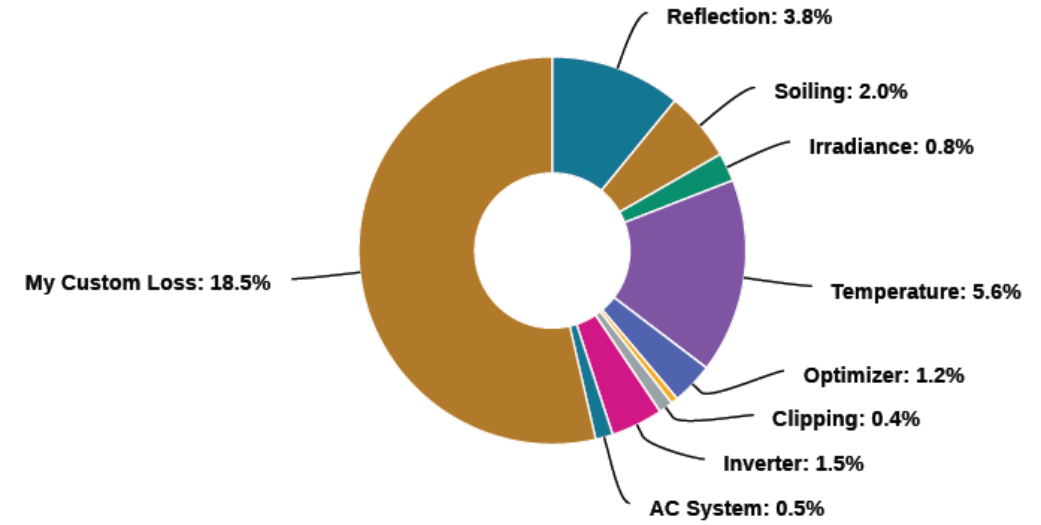
31,064
Trees
planted



4.7M
miles driven
by cars

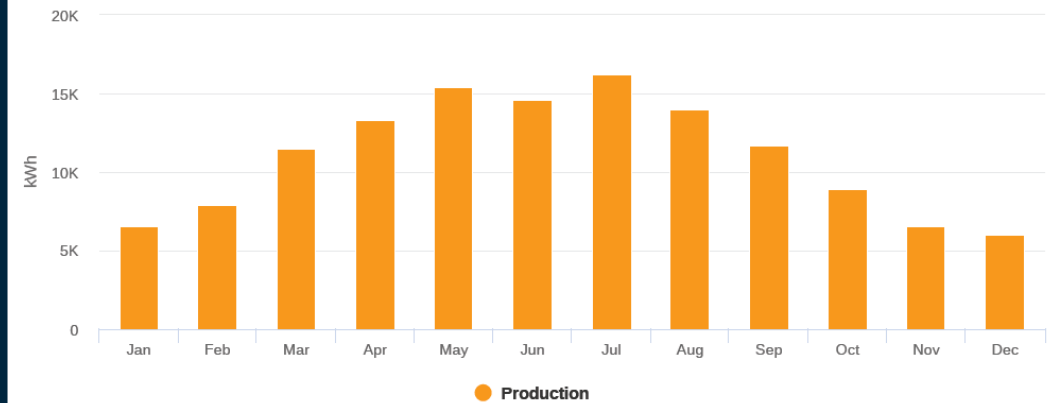


System Loss



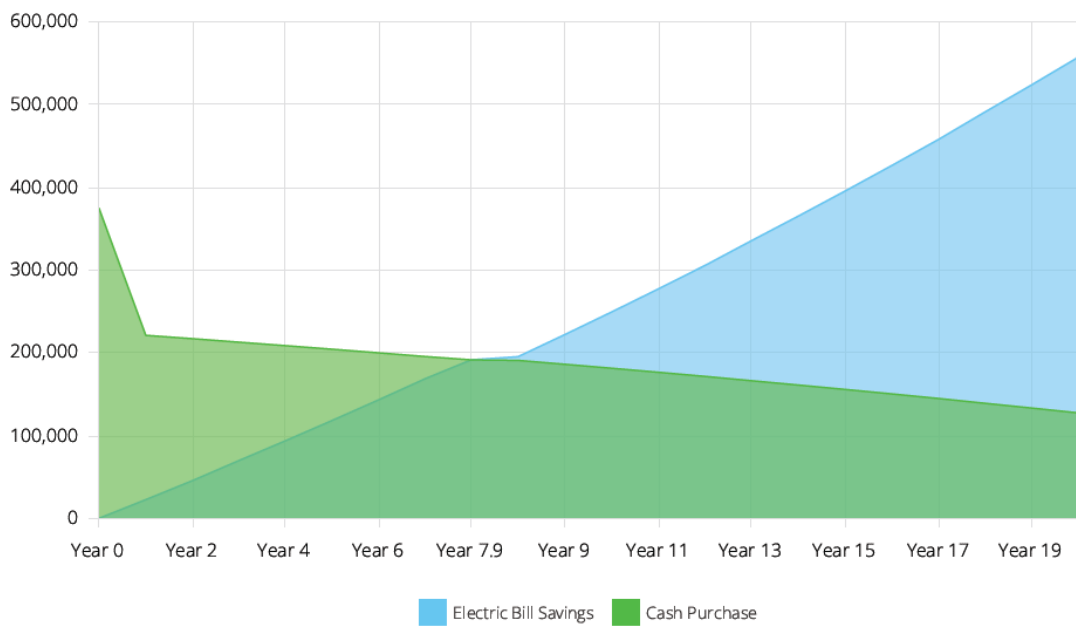
COMMUNITY SERVICES PRODUCTION REPORT

Energy Consumption

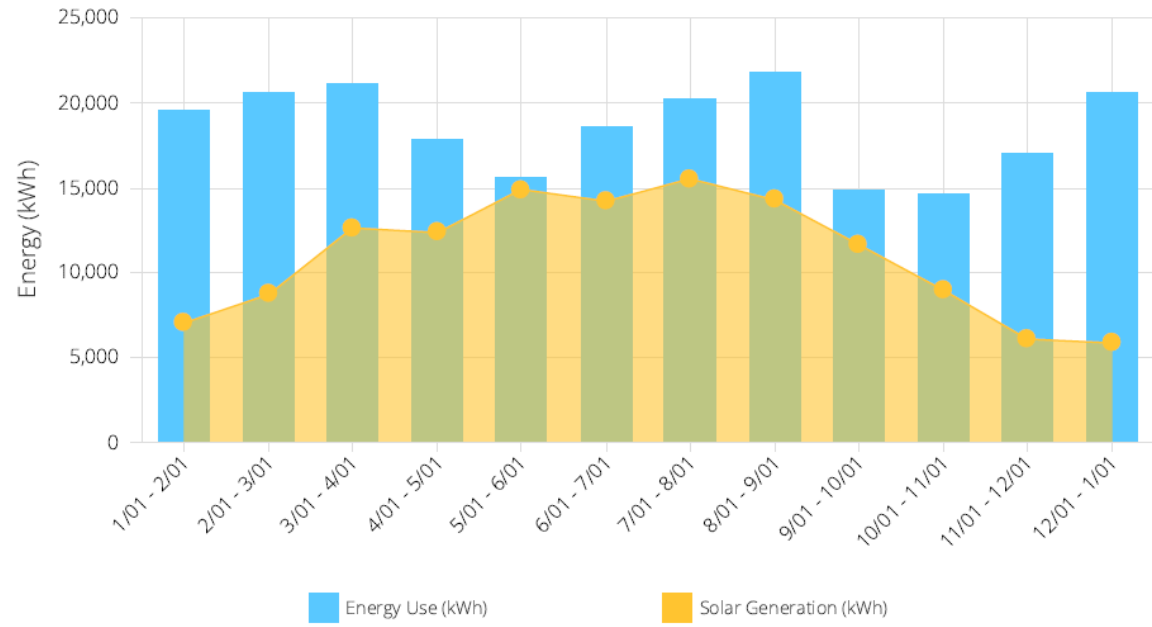


COMMUNITY SERVICES

20 YEAR SAVINGS VS NET PAYMENT OPTION



MONTHLY ENERGY USE VS SOLAR GENERATION



Project Details

Address	32 St Thomas St, Dover, NH 03820, USA
Customer Name	City of Dover
Owner	Paul Dawson
Last Modified	Paul Dawson a few seconds ago
Location	(43.19339189999999, -70.8771641) (GMT -5)
Profile	Default Commercial

System Metrics

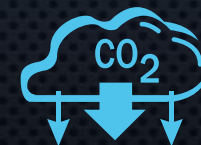
Design	McConnell Center
Module DC Nameplate	124.55 kW
Inverter AC Nameplate	100.00 kW Load Ratio: 1.25
Annual Production	132.1 MWh
Performance Ratio	69.1%
kWh/kWp	1,060.5
Weather Dataset	TMY, 10km grid (43.15,-70.85), NREL (prospector)
Simulator Version	e904549051-5abf85779f-481db701bd-6227c96bf6

Project Location



MCCONNELL CENTER

PRODUCTION REPORT



2,081
tons of
CO₂ offset



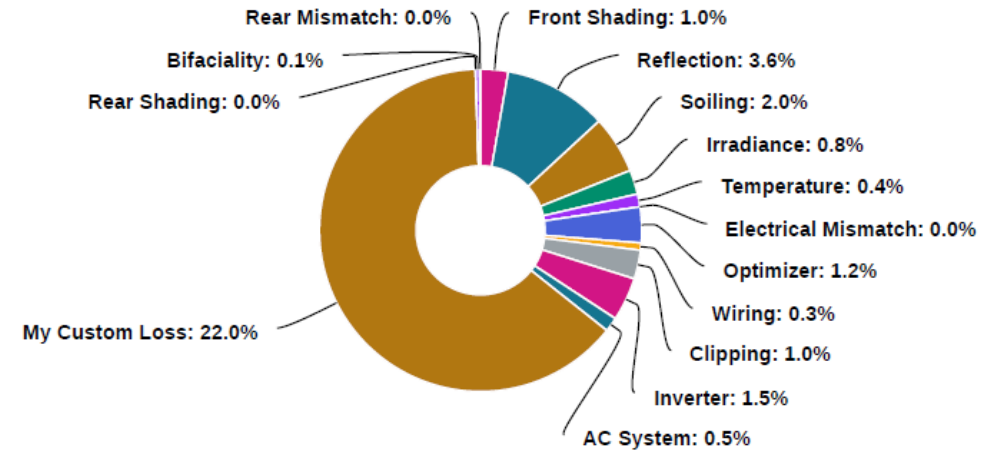
31, 217
Trees
planted



4.7M
miles driven
by cars



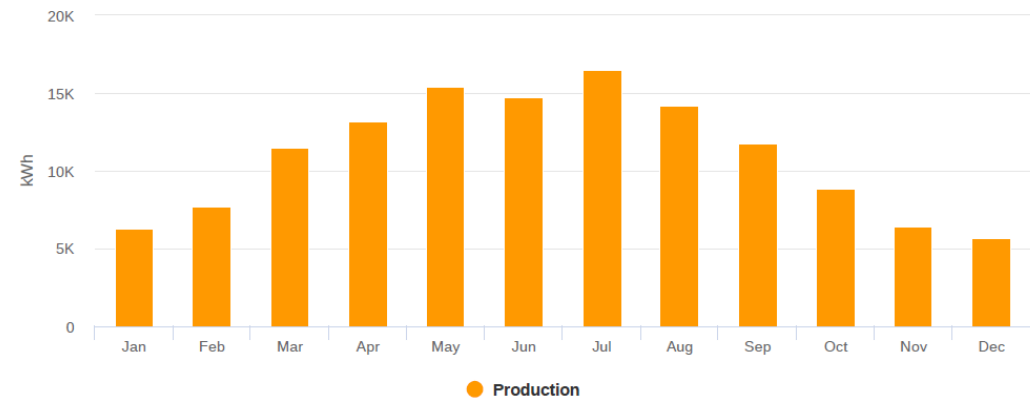
System Loss



MCCONNELL CENTER

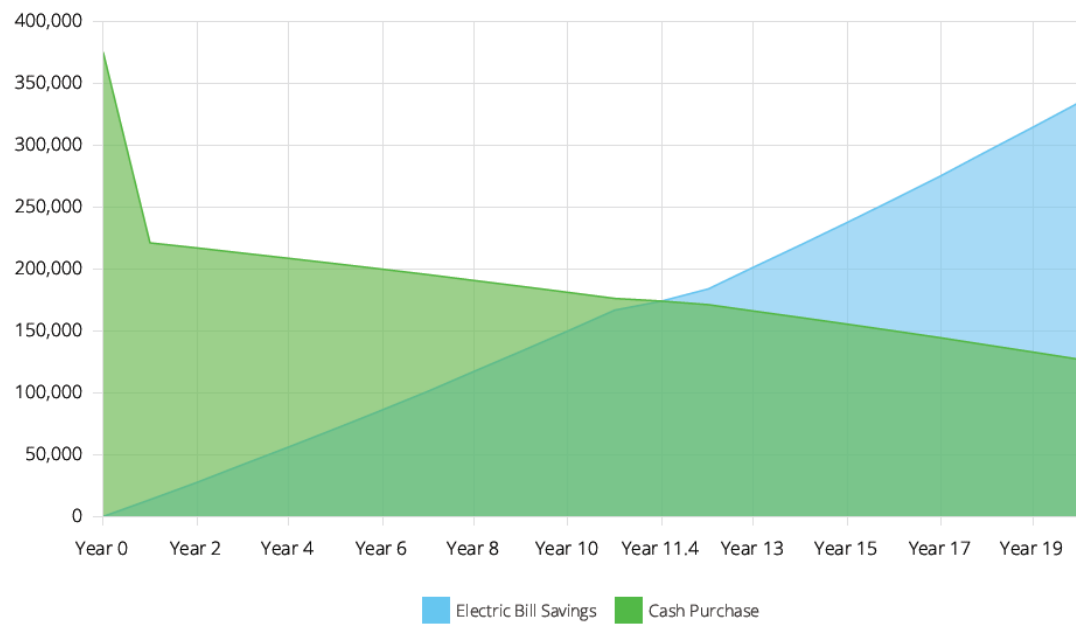
PRODUCTION REPORT

Energy Consumption

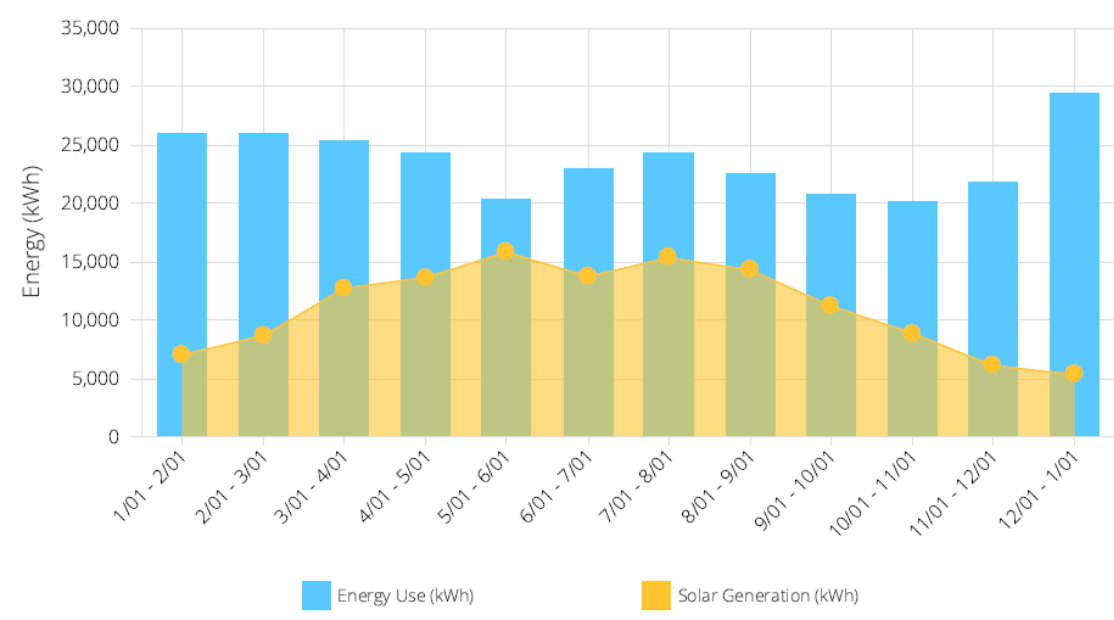


McCONNELL CENTER

20 YEAR SAVINGS VS NET PAYMENT OPTION



MONTHLY ENERGY USE VS SOLAR GENERATION



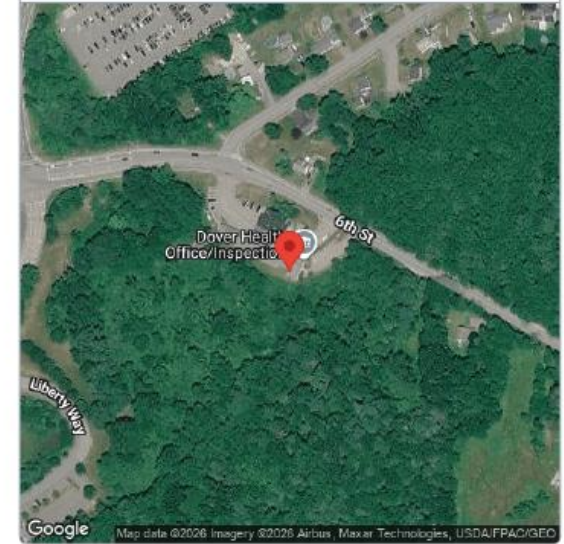
Project Details

Address	262 6th St, Dover, NH, USA
Customer Name	City of Dover
Owner	Paul Dawson
Last Modified	Paul Dawson 3 days ago
Location	(43.21118423565061, -70.90044468849945) (GMT -5)
Profile	Default Commercial

System Metrics

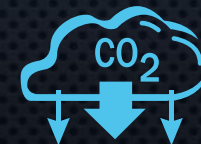
Design	Fire Station - North End
Module DC Nameplate	56.18 kW
Inverter AC Nameplate	40.00 kW Load Ratio: 1.40
Annual Production	59.0 MWh
Performance Ratio	69.1%
kWh/kWp	1,050.6
Weather Dataset	TMY, 10km Grid (43.25,-70.95), NREL (prospector)
Simulator Version	e904549051-5abf85779f-481db701bd-6227c96bf6

Project Location



FIRE STATION - NORTH

PRODUCTION REPORT



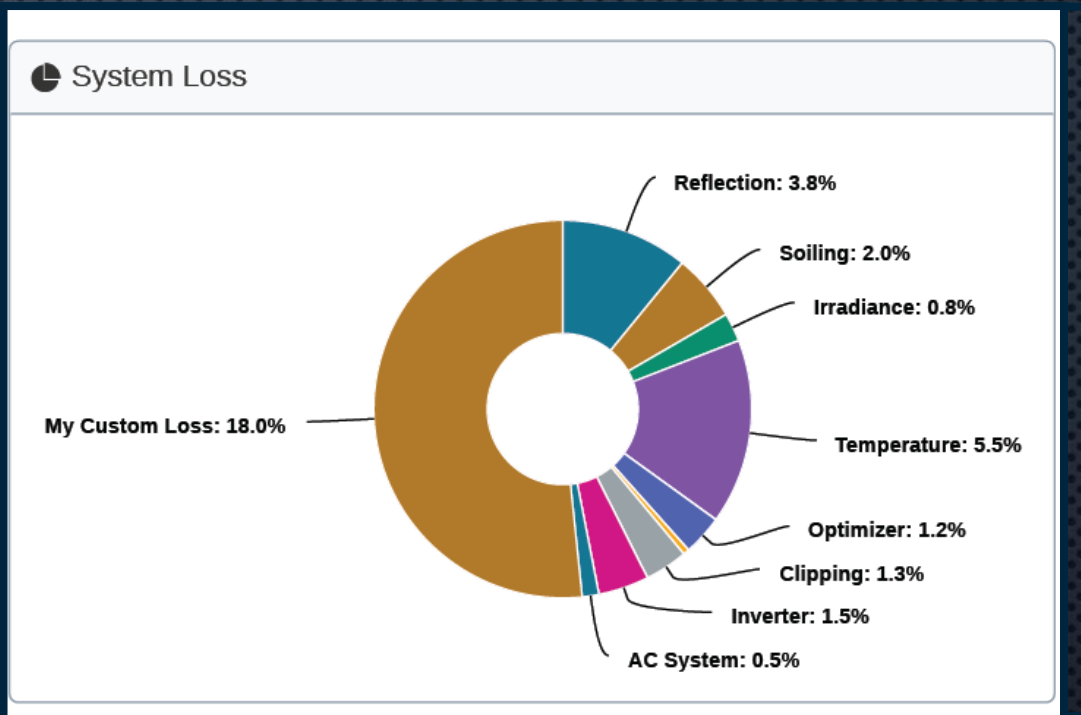
938
tons of
CO₂ offset



14,076
Trees
planted

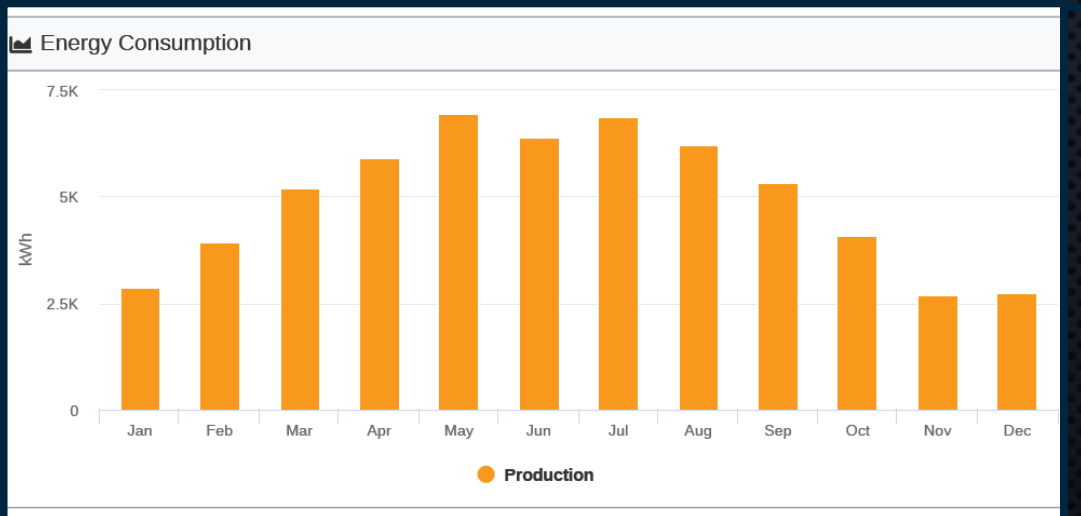


2.1M
miles driven
by cars



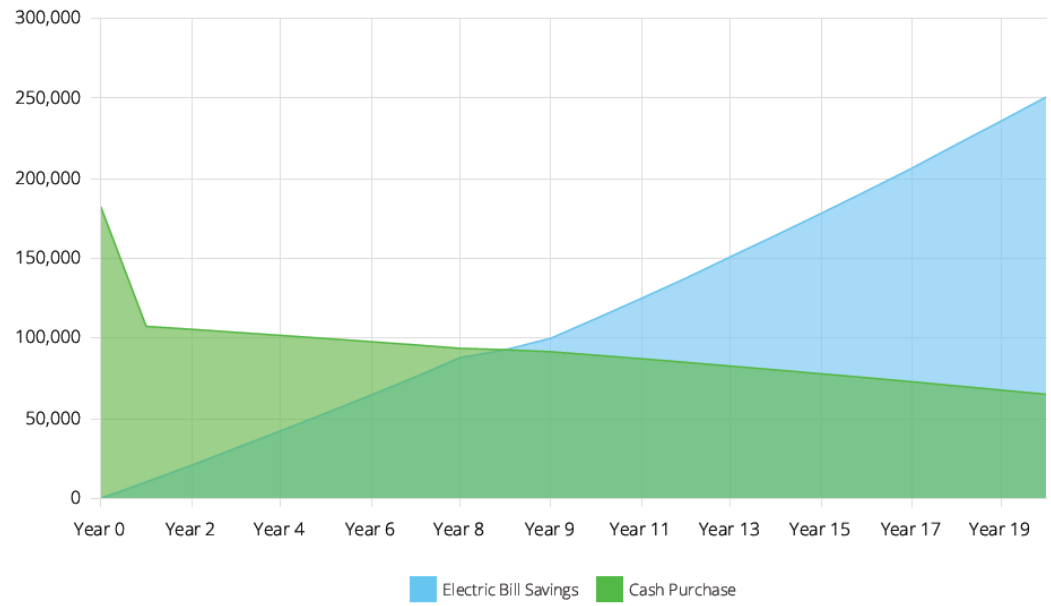
FIRE STATION - NORTH

PRODUCTION REPORT

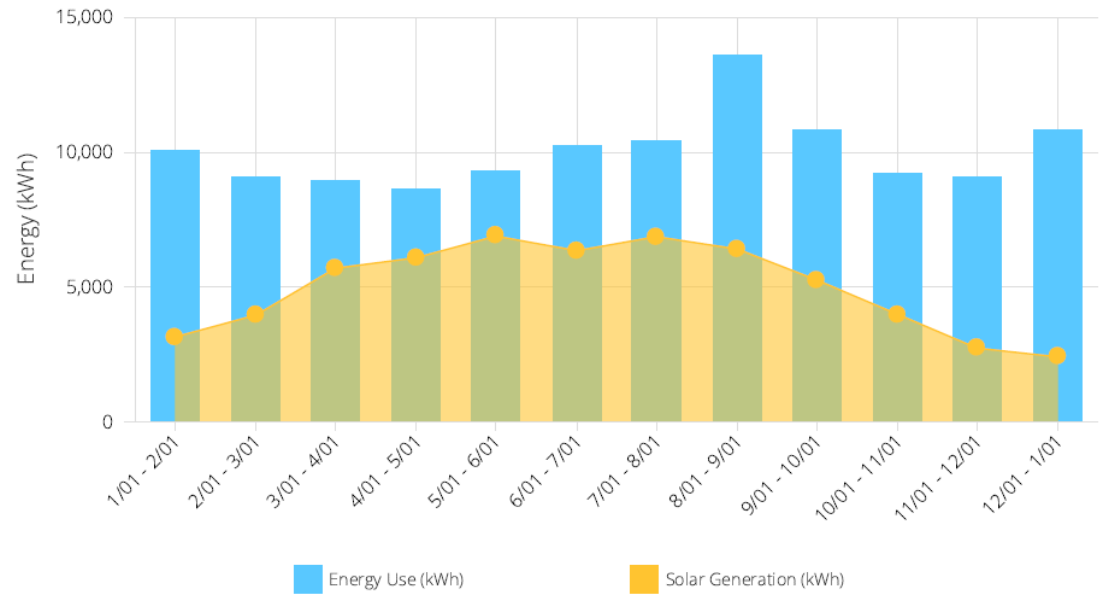


FIRE STATION - NORTH

20 YEAR SAVINGS VS NET PAYMENT OPTION



MONTHLY ENERGY USE VS SOLAR GENERATION



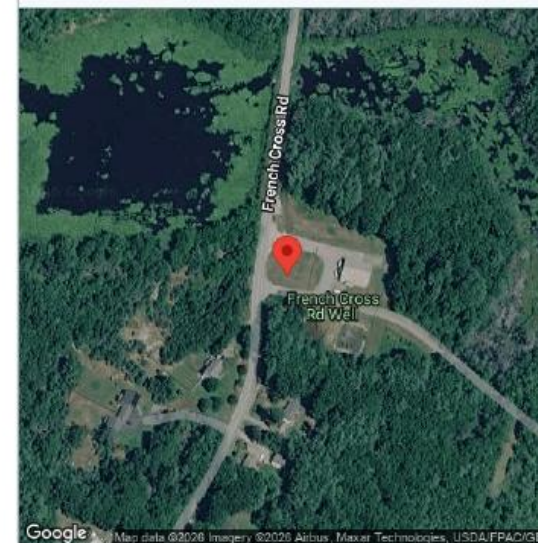
Project Details

Address	104 French Cross Rd, Dover, NH, USA
Customer Name	City of Dover
Owner	Paul Dawson
Last Modified	Paul Dawson 3 days ago
Location	(43.19901331920237, -70.94007012861789) (GMT -5)
Profile	Default Commercial

System Metrics

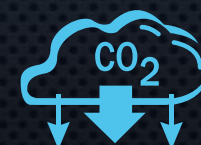
Design	104 French Cross
Module DC Nameplate	24.91 kW
Inverter AC Nameplate	30.00 kW Load Ratio: 0.83
Annual Production	26.2 MWh
Performance Ratio	68.3%
kWh/kWp	1,050.6
Weather Dataset	TMY, 10km grid (43.15,-70.95), NREL (prospector)
Simulator Version	e904549051-5abf85779f-481db701bd-6227c96bf6

Project Location



FRENCH CROSS WTF

PRODUCTION REPORT



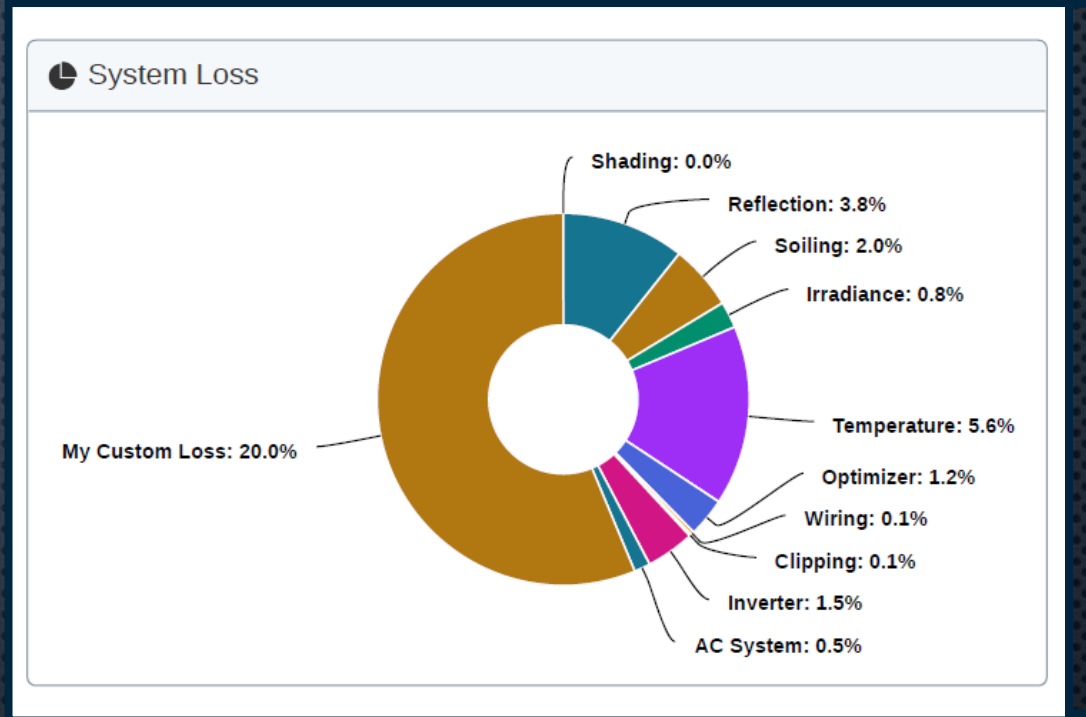
412
tons of
CO₂ offset



6,185
Trees
planted

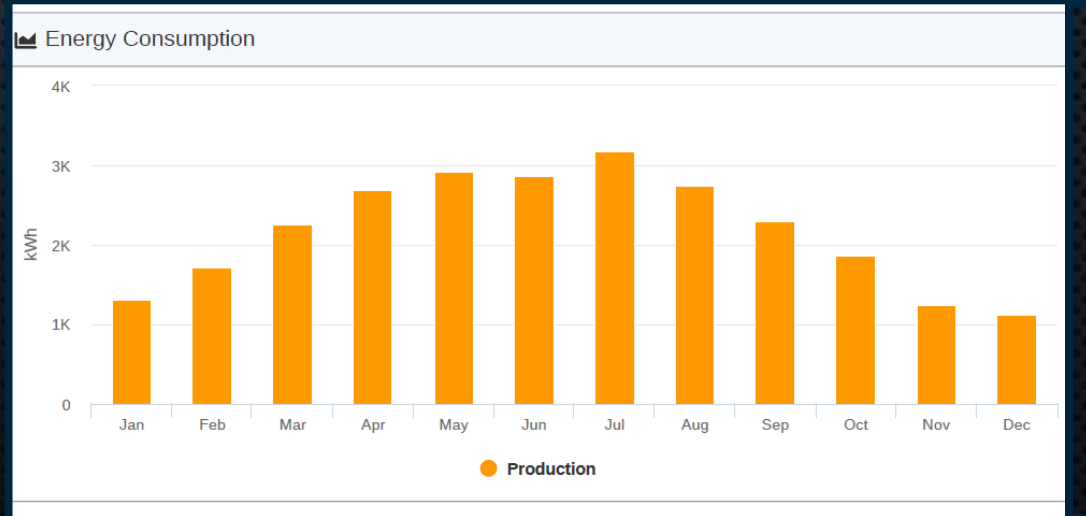


900k
miles driven
by cars



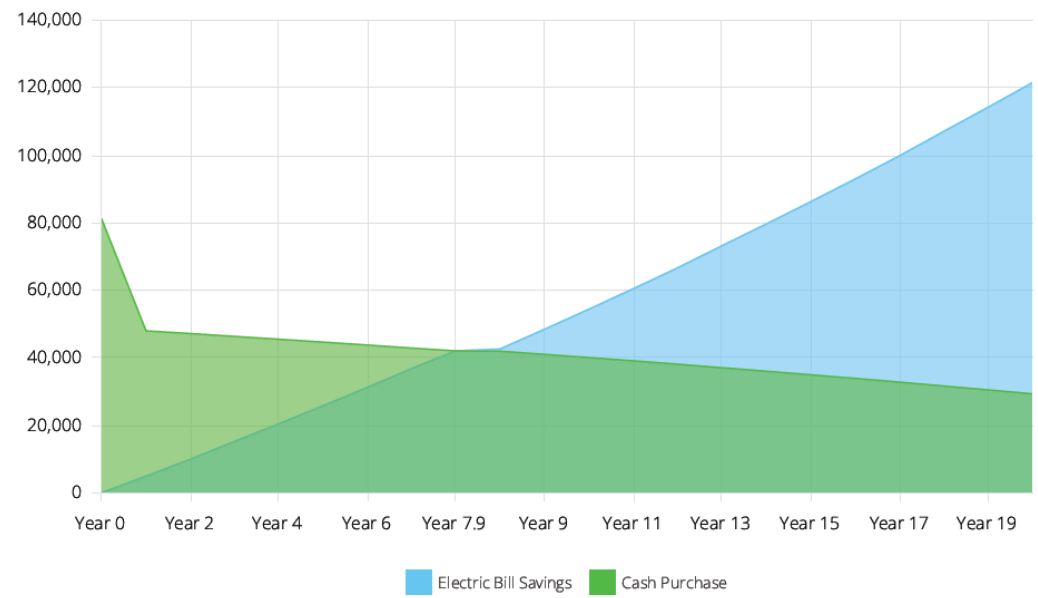
FRENCH CROSS WTF

PRODUCTION REPORT

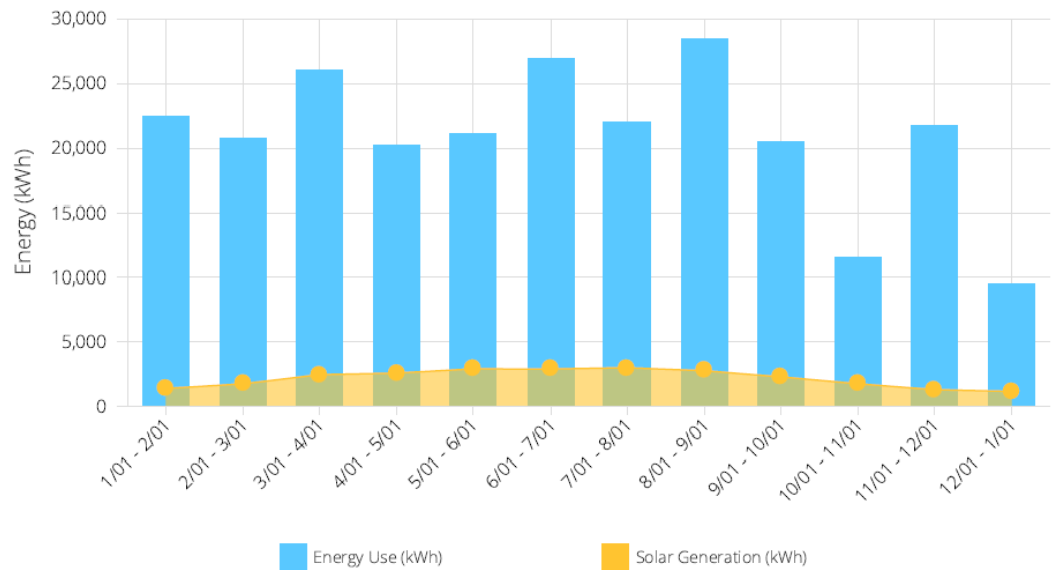


FRENCH CROSS WTF

20 YEAR SAVINGS VS NET PAYMENT OPTION



MONTHLY ENERGY USE VS SOLAR GENERATION





THANK YOU!



Mike Davey, CEM

President, EEI

19D Star Drive

Merrimack, NH 03054

603-234-2689

mdavey@eeiservices.com



Paul Dawson

Solar Development, EEI

19D Star Drive

Merrimack, NH 03054

802-373-4693

pdawson@eeiservices.com