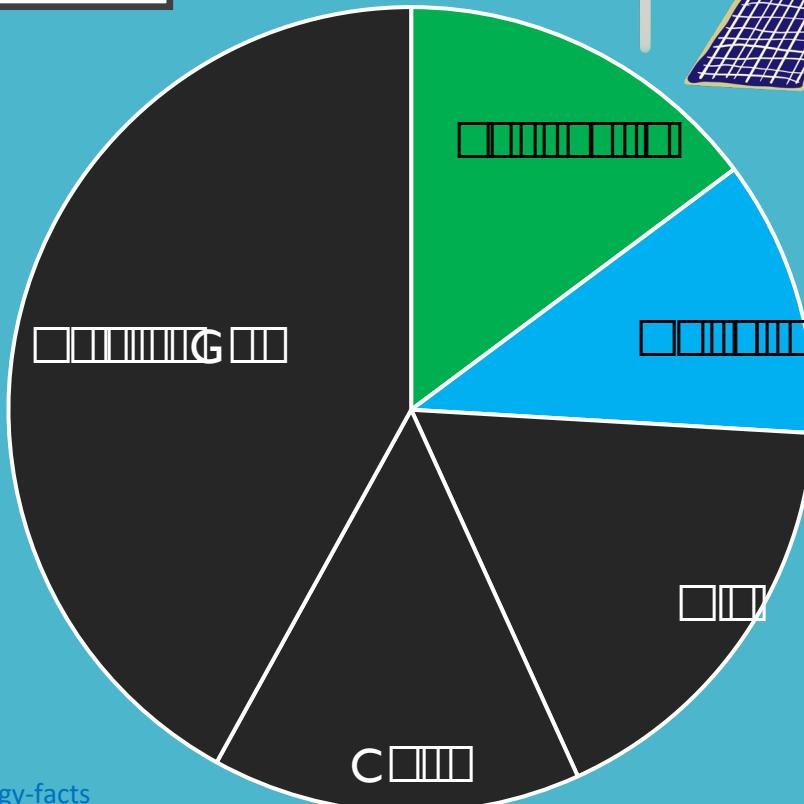




Climate Solutions for Riverdale



Energy Sources in U.S.

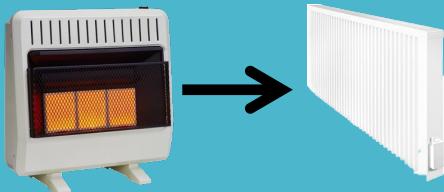


Black=Fossil Fuels

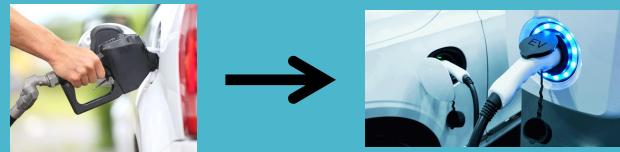
Source: eia.gov/energyexplained/us-energy-facts

Data as of 2020

Electrification



H



E



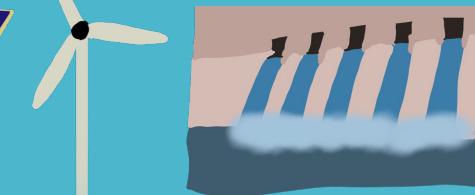
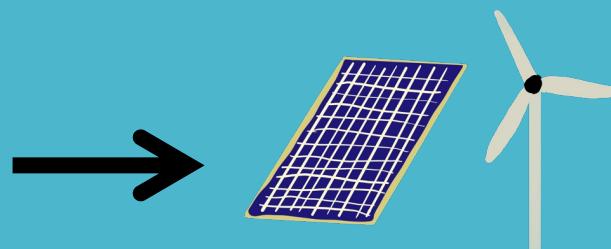
F



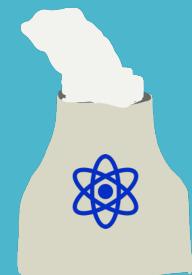
Clean Electricity



F

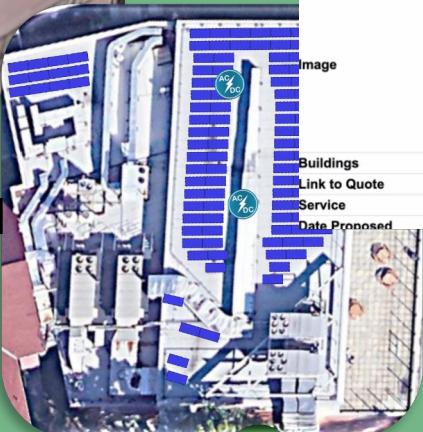


E



N

Solar for Riverdale



Company Comparison

Company
Purchase Type
kW (system size)
kWh per year
Cost per kWh
Upfront cost w/ incentives
Annual Cash Flow Savings
ROI Year

Sunkeeper Solar

	PPA	Direct Purchase		PPA	Direct Purchase
kW (system size)	410 kW			86.8 kW	
kWh per year	442000 kWh			107,737 kWh	
Cost per kWh	13¢	\$0		13.8¢	\$0
Upfront cost w/ incentives	\$0	\$997,000		\$0	\$242,000
Annual Cash Flow Savings	\$38-145k	\$91k		\$5K-18k	\$7-20k
ROI Year	0	11		0	13



Silver Lining Solar

	PPA	Direct Purchase		PPA	Direct Purchase
kW (system size)	410 kW			86.8 kW	
kWh per year	442000 kWh			107,737 kWh	
Cost per kWh	13¢	\$0		13.8¢	\$0
Upfront cost w/ incentives	\$0	\$997,000		\$0	\$242,000
Annual Cash Flow Savings	\$38-145k	\$91k		\$5K-18k	\$7-20k
ROI Year	0	11		0	13

A grid of nine video feeds showing participants in a video conference. The participants are identified as follows:

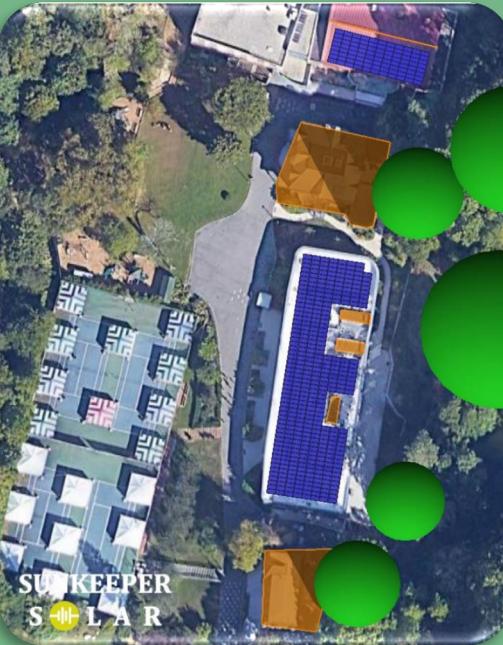
- Dominic Randolph
- Kelley (she/her) Nicholson-Flynn
- Joel Grayson
- Dan Schultz
- mgalligan
- Dan Rosen
- Bruce's iPhone



Annual Impact



H100%C100%



S100%C100%

G 442

(15%)

(6)

Electric Leaf Blowers

Gas-Powered Leaf Blowers	Electric Leaf Blowers
Pollute nitrous oxides	Do not pollute on spot
Loud	Quiet
Emit carcinogens and asthma-inducing toxins	Better for health



1 hour of gas powered leaf blower operation

=



1100 miles of automobile driving



Electric School Buses

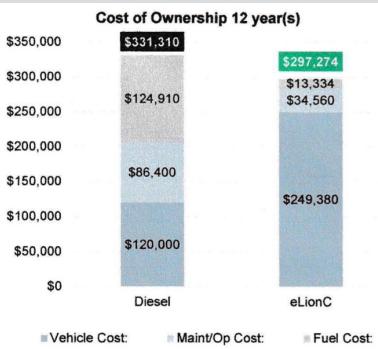
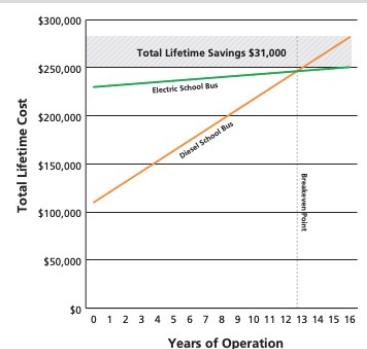
- + Lower emissions by 17 MtCO₂e, combating climate change
- + Improves student health (diesel causes asthma)
- + Less pollution



E ████ ████ ████

Over 12 years, electric is **cheaper** than diesel

- Higher upfront cost
- Lower cost of fuel and maintenance



Thank You