



SANTA MONICA-MALIBU UNIFIED SCHOOL DISTRICT

Districtwide Energy Sourcing

March 15th, 2023



Austin Toyama, SMMUSD Sustainability Manager



Current Energy Sourcing

BREAKDOWN



Clean Power Alliance (CPA)

- Provides 40% renewable energy for all accounts except Samohi and MMHS



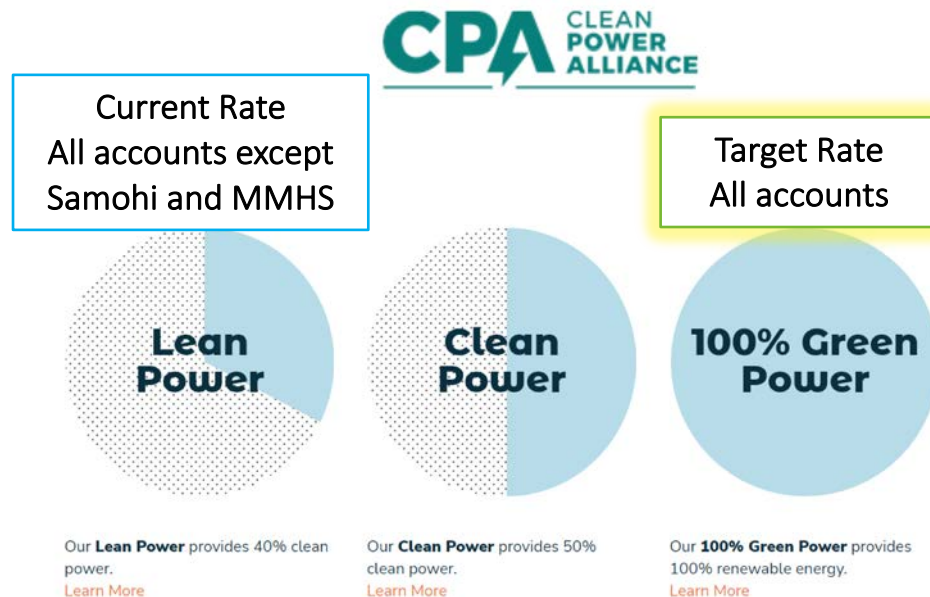
SoCal Edison (SCE)

- Provides remaining 60% energy for all accounts and 100% of energy for Samohi and MMHS
- 22% of total District electricity is generated by our on-site rooftop solar photovoltaic systems
- By switching to 100% renewable energy with CPA, all of the electricity SMMUSD uses will be clean energy

Proposed Energy Sourcing

BREAKDOWN

- Clean Power Alliance provides 100% energy for all accounts including Samohi and MMHS from renewable sources
- SoCal Edison continues to act as pipeline to deliver electricity to our sites



Utility Rate Comparison

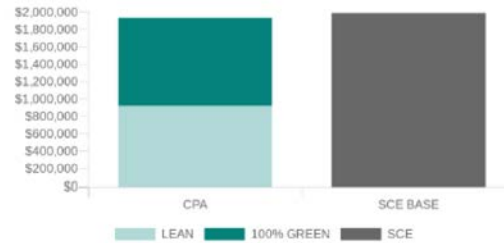


Customer
SANTA MONICA MALIBU UNIFIED

Selected usage period	Selected Accounts	Active	Opted Out	Not Enrolled
Dec 31, 2021 - Dec 31, 2022	40	31	0	9

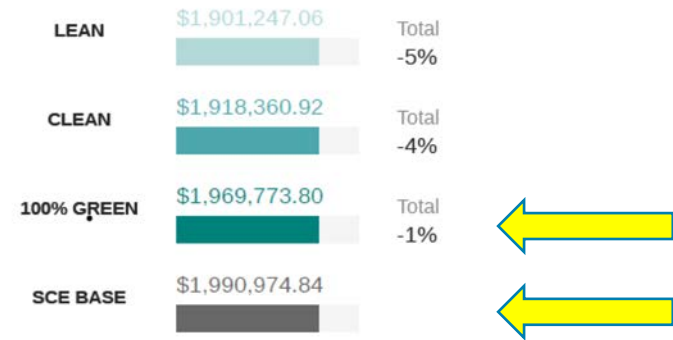
Current CPA Cost vs SCE Base

Based on all selected accounts and currently enrolled product.



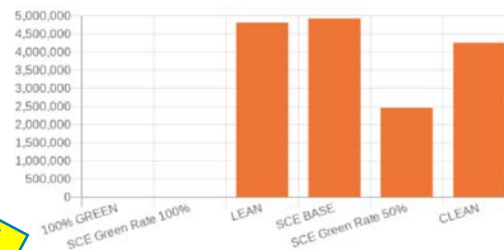
CPA Product vs SCE Base

Based on all selected accounts enrolled in one product.



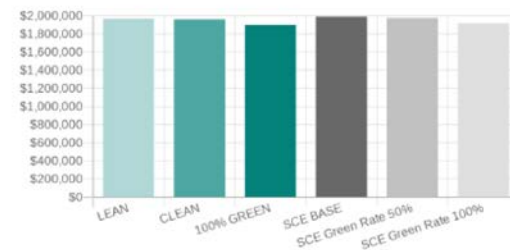
Greenhouse Gas Emissions

Estimates bls of CO2e emitted by energy product.



Total CPA Cost vs SCE Base

Based on all selected accounts enrolled in one product.



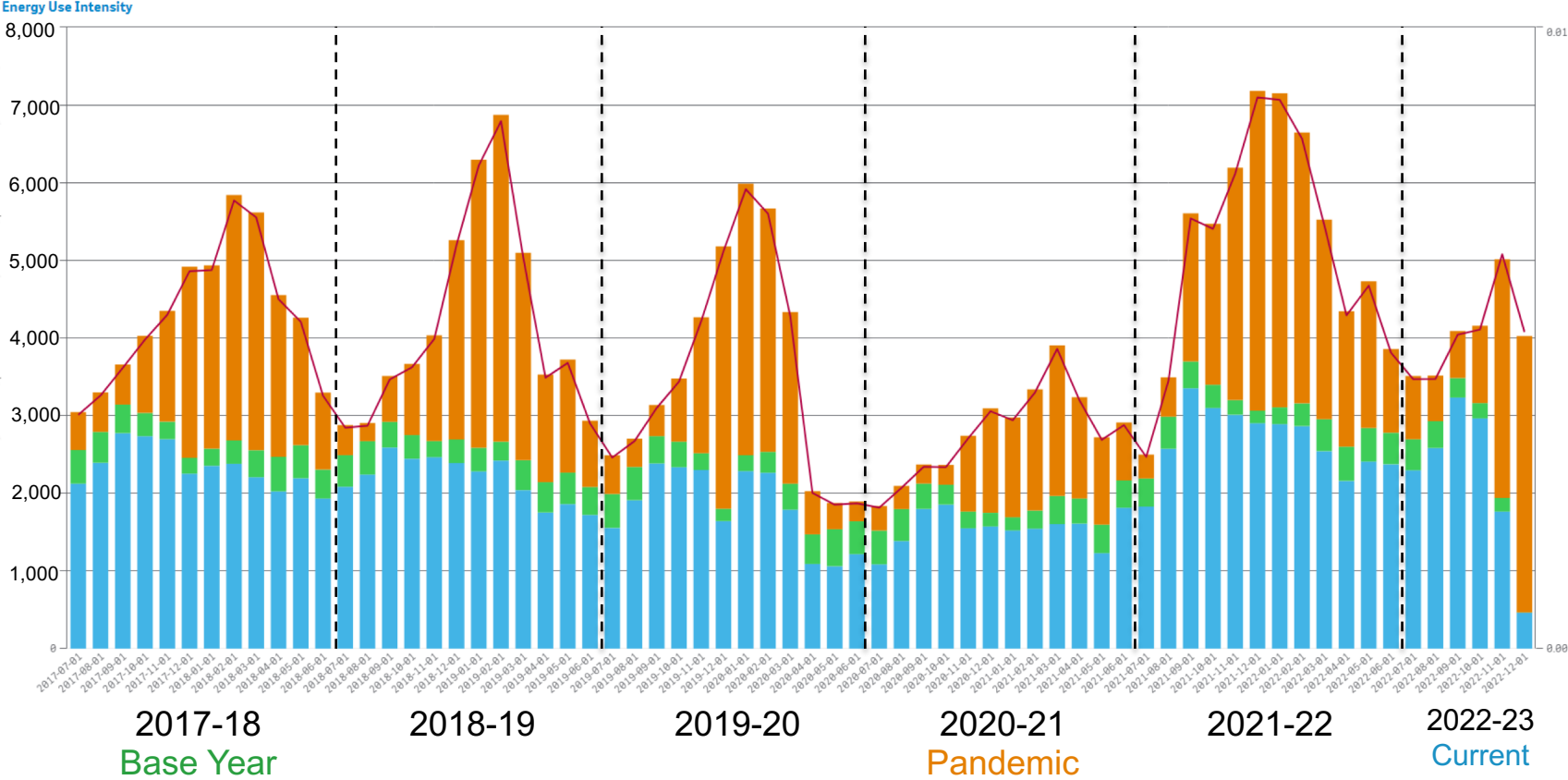


Renewable Energy Cost

- Additional cost to transition all accounts to CPA's 100% renewable Green rate: **\$30,000 – \$40,000**
 - Includes Samohi and MMHS accounts
- Additional cost likely to be fully recovered via energy conservation cost savings
 - 2 future solar projects projected to increase district-generated electricity to 28-30%
 - Electricity costs estimated to be offset by \$80,000/year with new solar
 - Building HVAC energy management and increased controls

Energy Use Index Trend

- Measures
- Total Volume (MMBtu)/...
 - Electric Power (MMBtu)
 - Green Power (MMBtu)
 - Natural Gas (MMBtu)

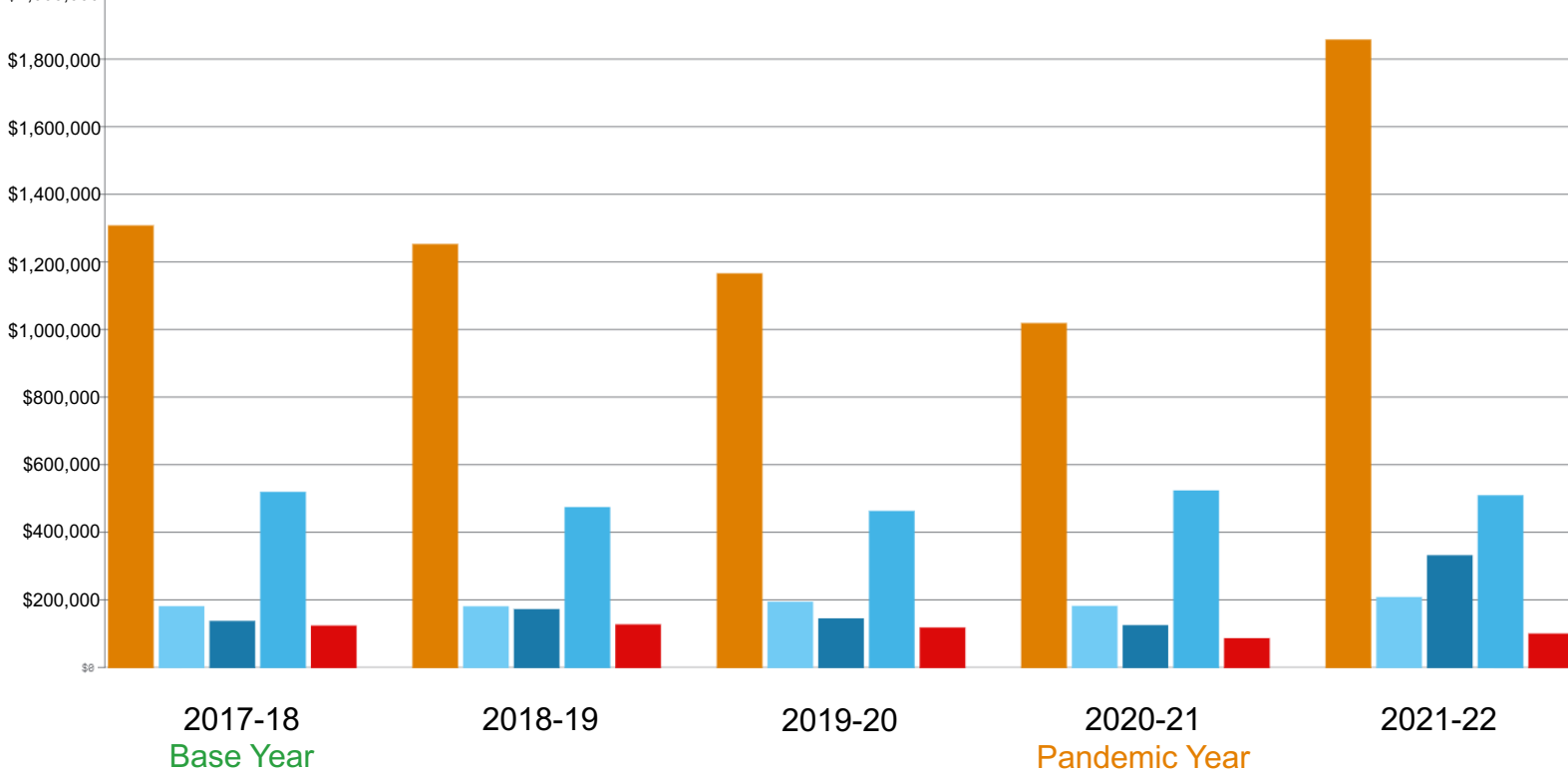


Utility Cost Trend

Cost and Usage Yearly Comparison (Bar Chart)

Fiscal Year Cost

\$2,000,000



Service

- Electric Power
- Green Power
- Natural Gas
- Water
- Waste Water

Renewable Energy Sourcing

Returning to 100% renewable energy

- Environmental Impacts
- Small added cost within the larger utility budget
- 2020 Sustainability Plan goal



Office of Sustainability and the Environment



A screenshot of a Change.org petition page. The page title is "Commit Santa Monica High School to 100% Renewable Energy". It shows 671 signatures and a progress bar. The page includes a "100% RENEWABLE" graphic and a "Take the next step!" button. The petition was started by the Human Rights Watch Student Task Force.



Thank you!

Please email atoyama@smmusd.org with any questions