



**OAKLAND UNIFIED  
SCHOOL DISTRICT**

*Community Schools, Thriving Students*

# OUSD Energy Update



Presented to CBOC Committee

November 13, 2017

[www.ousd.org](http://www.ousd.org)



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# Solar: 17 Schools to Date

10.72 GWh of  
electricity generated  
to date

\$1.9 million of  
avoided electricity\*

\$3.14 million in  
rebates received

Other benefits:  
Sunpower Solar  
Academy, etc.



\*Assuming OUSD's 3-year average rate of \$0.1797 per kWh.

# OUSD Electricity Use (Data from PG&E)

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- OUSD electricity demand is reduced as utility rates increase.
- 2014
  - 28,220,737 kWh
  - \$4,885,653 – Electricity
  - Average rate \$0.173/kWh
- 2015
  - 23,861,106 kWh
  - \$4,303,354 – Electricity
  - Average rate \$0.180/kWh
- 2016
  - 23,762,097 kWh
  - \$4,667,706 – Electricity
  - Average rate \$0.196/kWh

# Baseline Comparison

	System active since	PG&E Electricity Expenditure by Fiscal Year v. Solar		Cost Reduction (2013-14 v. solar)
		2013-14 (no solar)	First year of solar (dates vary)	
Sankofa/Washington ES	6/17/2014	\$ 30,765	\$ 6,091	-80%
West Oakland/Lowell MS	10/31/2014	\$ 96,569	\$ 57,243	-41%
Bret Harte MS	8/13/2014	\$ 71,510	\$ 38,735	-46%
Havenscourt MS	10/24/2014	\$ 99,990	\$ 75,055	-25%
Edna Brewer MS	12/16/2014	\$ 60,726	\$ 5,065	-92%
Montera MS	12/18/2014	\$ 69,615	\$ 40,063	-42%
Roosevelt MS	10/16/2014	\$ 106,271	\$ 60,712	-43%
Westlake MS *	8/13/2014	\$ 78,884	\$ 79,796	1%
Oakland Intl HS	9/8/2014	\$ 121,099	\$ 78,922	-35%
Madison MS	10/23/2014	\$ 60,475	\$ 31,462	-48%
King Estates MS	11/14/2014	\$ 64,182	\$ 47,897	-25%
Castlemont HS	12/17/2014	\$ 177,831	\$ 110,723	-38%
McClymonds HS	12/18/2014	\$ 103,908	\$ 47,481	-54%
Oakland HS	11/20/2014	\$ 285,070	\$ 202,536	-29%
Oakland Tech HS	11/10/2014	\$ 349,757	\$ 130,433	-63%
Skyline HS	8/31/2015	\$ 178,986	\$ 100,989	-44%
	<b>Total</b>	<b>\$1,955,637</b>	<b>\$1,113,203</b>	<b>-43%</b>

\*System down for 5 months



# EVERY STUDENT THRIVES!

Questions?



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Contact us for additional information : <http://www.ousd.org/facilities>  
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Appendix A: OUSD Schools with Solar

Sankofa
Bret Harte
Westlake
Oakland Intl
Havenscourt
Roosevelt
Madison
Lowell
King Estates
Edna Brewer
McClymonds
Oakland HS
Oakland Tech
Monterra
Castlemont
Skyline
LEEC (not part of CSI projects)

## Appendix B: Sunpower Contract

- OUSD BOE file ID number 13-2507, enacted 11-6-13
- Located at:

<https://ousd.legistar.com/LegislationDetail.aspx?ID=2198950&GUID=42E40BFF-DF6B-4996-9E20-62F0A7D8609C&Options=ID|Text|&Search=sunpower>