

Solar Master Plan

OAKLAND UNIFIED SCHOOL DISTRICT (OUSD)



Chapter 1

**Benchmarking with ENERGY
STAR's Portfolio Manager**

Benchmarking with ENERGY STAR's Portfolio Manager

Every school district should know how much energy it is consuming and what its associated costs are. Energy benchmarking is especially important if a district is interested in becoming more energy efficient and should be standard policy for all school districts regardless of whether PV systems are currently contemplated. Knowing where the district is consuming energy and how much this energy costs are the first steps in improving energy efficiency and encouraging energy-conserving behaviors.

Fortunately, the U.S. Environmental Protection Agency and the U.S. Department of Energy offer a free, easy-to-use program from ENERGY STAR called Portfolio Manager.

Portfolio Manager allows a district to track its energy consumption and costs and provides a variety of reports that will help the district to measure the results of its efforts to reduce energy consumption. Getting started with Portfolio Manager is easy enough that an environmental class at a district high school could do it as a project. The major California utilities also offer trainings on Portfolio Manager. To get started, see, www.energystar.gov/index.cfm?c=evaluate_performance.bus_portfoliomanager

California's major energy utilities provide monthly automated data to Portfolio Manager subscribers, so a participating district will always have up to date information on its energy use. Portfolio Manager can also track water consumption. Although few water utilities currently have the ability to report water data automatically, efforts are underway to encourage them to offer this service in the future.

This chapter shows a Portfolio Manager screen-shot of all district facilities that have been benchmarked. The ENERGY STAR rating accurately reflects the status of K-12 facilities only. Non K-12 facilities, e.g. adult schools, administrative offices, are included in this report so the district has a comprehensive assessment of energy consumption and costs for all its buildings.

Also included in this chapter are the data required to enroll K-12 schools and other building types, and Portfolio Manager's Quick Reference Guide.

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Portfolio Averages	
Baseline Rating: 73 Facilities Included: 93	Current Rating: 58 Facilities Included: 93
Change from Baseline: Portfolio Adjusted Percent Energy Use (%): 47.3% Facilities Included: 93	
Averages are weighted by Total Floor Space. More about Baselines More about Change from Baseline: Adjusted Energy Use	

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Facility Name <input type="checkbox"/>	Current Rating (1-100) <input type="checkbox"/>	Change from Baseline: Adjusted Energy Use (%) <input type="checkbox"/>	Total Floor Space (Sq. Ft.) <input type="checkbox"/>	Energy Use Alerts <input type="checkbox"/>	Current Energy Period Ending Date <input type="checkbox"/>	Eligibility for the ENERGY STAR <input type="checkbox"/>	Last Modified <input type="checkbox"/>
Allendale	86	52.6	41,452		02/29/2012	Apply for the ENERGY STAR	04/05/2012
Ascend	59	-0.8	70,300		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	03/29/2012
B&G	95**	14.2	38,600		02/29/2012	Not Eligible: Default space values used (ENERGY STAR Eligibility Rules)	03/31/2012
Barack Obama Academy	88	53.6	10,718		02/29/2012	Apply for the ENERGY STAR	03/31/2012
Bella Vista	68	51.1	63,234		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	04/06/2012
Bond Street	100**	288.7	14,264		03/31/2012	Not Eligible: Default space values used (ENERGY STAR Eligibility Rules)	04/14/2012
Bret Harte Middle	44	36.7	118,788		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	03/31/2012
Brewer Middle	81	19.9	93,175		02/29/2012	Apply for the ENERGY STAR	03/31/2012
Brookfield	62	44.8	56,805		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	04/04/2012

Bunche	44	22.6	31,089		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	03/24/2012
Burbank	88	2.5	35,294		02/29/2012	Apply for the ENERGY STAR	03/31/2012
Burckhalter	72	215.8	32,456		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	03/31/2012
Carl Munck	22	80.5	29,069		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	04/07/2012
Carter / Oak Intl	11	437.1	54,243		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	04/04/2012
Castlemont	22	48.8	221,413		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	04/18/2012
Cesar Chavez Elementary	76	84.2	103,045		02/29/2012	Apply for the ENERGY STAR	03/31/2012
Chabot	42	101.1	50,491		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	03/31/2012
Claremont Middle	72	14.9	64,161		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	03/31/2012
Cleveland	53	-1.6	24,741		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	03/31/2012
Cole	84	-3.6	47,287		02/29/2012	Apply for the ENERGY STAR	04/04/2012
Cox Elementary	100	-49.7	82,303		02/29/2012	Apply for the ENERGY STAR	04/04/2012
Crocker	95	9.0	41,656		02/29/2012	Apply for the ENERGY STAR	04/04/2012
Dewey	46	4.7	20,216		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	03/24/2012
Downtown Ed Project Site	2**	-12.5	121,402		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	04/07/2012
Elmhurst	68	28.3	92,046		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	03/31/2012
Emerson	97	7.5	38,274		02/29/2012	Apply for the ENERGY STAR	03/31/2012
Franklin	82	8.0	62,424		02/29/2012	Apply for the ENERGY STAR	03/31/2012
Fremont High	80	-7.4	203,636		02/29/2012	Apply for the ENERGY STAR	03/31/2012
Frick	51	20.5	106,218		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	03/31/2012
Fruitvale	48	28.7	60,611		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	03/31/2012
Garfield	68	-41.8	66,380		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	04/06/2012

Glenview	71	5.8	43,346		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	04/03/2012
Grass Valley	40	148.3	35,113		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	03/31/2012
Havenscourt Middle	23	23.0	99,437		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	04/07/2012
Highland Campus	73	55.5	50,994		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	03/31/2012
Hillcrest	85	284.9	24,121		02/29/2012	Apply for the ENERGY STAR	03/31/2012
Hoover	94	1.3	38,212		02/29/2012	Apply for the ENERGY STAR	03/31/2012
Horace Mann	65	30.0	32,106		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	03/31/2012
Howard	14	113.9	37,073		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	03/31/2012
Jefferson Elementary	81	-0.2	79,998		02/29/2012	Apply for the ENERGY STAR	03/31/2012
Joaquin Miller	91	21.5	34,341		02/29/2012	Apply for the ENERGY STAR	03/31/2012
Kaiser	37	22.8	20,477		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	03/31/2012
King Estates Middle	32	23.5	86,421		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	03/31/2012
La Escuelita	100	-30.2	44,000		02/29/2012	Apply for the ENERGY STAR	04/06/2012
Lafayette	49	12.6	56,038		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	04/04/2012
Lakeview	90	13.9	58,087		02/29/2012	Apply for the ENERGY STAR	03/31/2012
Laurel	85	12.6	35,494		02/29/2012	Apply for the ENERGY STAR	03/31/2012
Lazear	88	4.0	28,123		02/29/2012	Apply for the ENERGY STAR	04/06/2012
Life	78**	-36.9	36,700		03/31/2012	Not Eligible: Default space values used (ENERGY STAR Eligibility Rules)	04/06/2012
Lincoln	96	-32.0	58,641		02/29/2012	Apply for the ENERGY STAR	03/31/2012

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Facility Name	Current Rating (1-100)	Change from Baseline: Adjusted Energy Use (%)	Total Floor Space (Sq. Ft.)	Energy Use Alerts	Current Energy Period Ending Date	Eligibility for the ENERGY STAR	Last Modified
Lockwood Elementary	80	-22.6	72,943		02/29/2012	Apply for the ENERGY STAR	03/31/2012
Longfellow	77**	29.8	46,075		02/29/2012	Not Eligible: Default space values used (ENERGY STAR Eligibility Rules)	04/18/2012
Lowell Middle	81	-31.2	96,870		02/29/2012	Apply for the ENERGY STAR	04/14/2012
Madison	57	-11.2	83,057		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	03/31/2012
Manzanita	31	58.9	45,794		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	04/03/2012
Markham	36	358.9	53,698		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	04/18/2012
Marshall	26	27.9	29,699		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	03/31/2012
Maxwell	21	52.3	46,253		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	03/31/2012
McClymonds High	86	14.1	195,554		02/29/2012	Apply for the ENERGY STAR	03/31/2012

Melrose Elementary	69	384.7	43,560		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	04/14/2012
Met West	N/A	N/A	25,000			Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	02/08/2011
ML King	57	-22.9	47,534		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	03/31/2012
Montclair	68	-6.8	38,827	Data > 120 days old	05/31/2011	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	04/10/2012
Montera Middle	23	-9.4	96,830		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	04/06/2012
Neighborhood Adult Ed	100	-37.7	10,000	Data > 120 days old	07/31/2011	Not Eligible: Current period ending over 120 days (ENERGY STAR Eligibility Rules)	09/17/2011
Neighborhood Adult Education	92**	-9.4	13,140		12/31/2011	Not Eligible: Default space values used (ENERGY STAR Eligibility Rules)	02/09/2012
Oakland High	33	3.1	205,545		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	04/05/2012
Oakland Tech Hi	58	294.6	241,970		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	03/31/2012
Old Chabot Science Center	67**	-2.0	13,689		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	04/10/2012
Parker	40	52.7	46,862		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	03/31/2012
Peralta Elementary	38	-14.3	19,509		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	03/31/2012
Piedmont	44	35.4	44,035		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	04/04/2012
Prescott Campus	34	13.6	43,709		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	03/31/2012
Redwood	74	7.1	40,904		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	03/31/2012
Roosevelt Middle	37	24.6	154,093		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	04/07/2012
Rusdale	93	-11.5	11,741		02/29/2012	Apply for the ENERGY STAR	03/23/2012
Santa Fe	53	13.0	38,796		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	03/31/2012
Sequoia	85	0.6	40,721		02/29/2012	Apply for the ENERGY STAR	04/07/2012
Sherman	12	116.5	24,135		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	04/06/2012
Simmons Middle School	34	66.9	123,036		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	03/31/2012
Skyline	57	183.6	211,995		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	03/31/2012

Sobrante	72	28.6	32,953		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	03/31/2012
Special Ed - Admin	26**	13.2	85,046		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	03/31/2012
Stonehurst Campus	74	31.1	60,212		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	03/31/2012
Street	77	70.0	15,074		02/29/2012	Apply for the ENERGY STAR	04/14/2012
Thornhill	91	-4.9	29,977		02/29/2012	Apply for the ENERGY STAR	03/31/2012
Tilden	42	15.9	31,362		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	04/18/2012
Urban Promise	75	-12.3	29,796		02/29/2012	Apply for the ENERGY STAR	04/06/2012
Warehouse	45**	0.5	76,405		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	03/31/2012
Washington Elementary	60	22.0	46,895		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	03/31/2012
Webster Academy	77	19.3	84,293		02/29/2012	Apply for the ENERGY STAR	03/31/2012
Westlake Middle	87	28.4	86,584		03/31/2012	Apply for the ENERGY STAR	04/07/2012
Whittier	75	7.9	49,416		02/29/2012	Apply for the ENERGY STAR	03/31/2012
Woodland Elementary	55	-3.7	87,000		02/29/2012	Not Eligible: Rating must be 75 or above (ENERGY STAR Eligibility Rules)	03/31/2012

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