



SUSTAINABILITY COMMITTEE ANNUAL REPORT

POLICY ISSUE / SITUATION:

Board Policy EDD established sustainability priorities for the District. The implementing Administrative Regulation (EDD-AR) created an Advisory Committee for Sustainability to help guide the District's adoption of practices that balance environmental, social and fiscal responsibility. Key tasks assigned to the Committee in EDD-AR were development of a five-year work plan for the District to implement sustainability practices and annual reporting to the School Board. The Committee has completed a scorecard report for the 2011-12 work plan and created an updated long range sustainability plan.

BACKGROUND INFORMATION:

The attached 2011-12 Sustainability Performance Scorecard represents the second annual work plan report for the District. Significant progress was made on each of the 22 Goals in the work plan with 18 of them being fully completed. Details are on the Scorecard.

The major work of the Committee during 2011-12 was focused on updating the District's sustainability five-year plan. The Committee concluded that it would be more appropriate to consider the update as a *Long Range Plan*, in order to recognize that sustainability is an on-going effort without a specific end point. In addition, the Committee considered a new way to organize goals. The prior five-year plan structured the District's efforts into six categories, called *Pillars*, which have been retained: (1) Procurement, (2) Energy & Water, (3) Buildings and Grounds, (4) Food, (5) Transportation, and (6) Education. However, the goals have been changed to be identical for each Pillar while the objectives supporting the goals were tailored to align with the contributions relevant to a specific Pillar. The new goals are:

- Educate about Sustainability
- Consume Less
- Minimize Waste
- Buy Sustainably
- Promote a Healthy Community

The updated District Sustainability Long Range Plan is attached.

RECOMMENDATION:

It is recommended that the Beaverton School District Board of Directors review the sustainability scorecard report for the 2011-12 work plan, the updated District Sustainability Long Range Plan, and provide appropriate guidance or comments.

Beaverton School District 2011 - 12 Sustainability Performance Scorecard June 2012

tatus	W	ork Stream		Goal / Objective / Action Step		Performance Metrics			Reporting Department	Departments' Performance Assessment (Year-to-Date)								
						Measure	June 30, 2011 Status	FY 11-12 Target *		Jul Au	g Sep	Oct Nov	Dec J	lan Feb	Mar Ap	or May		
	T	T	A.1	Transition to electronic bidding process	A.1.1	% of annual formal procurements	25%	75%	Purchasing									
	٨	Procurement &	A.2	Procure sustainable office & custodial products	A.2.1	% of \$ purchases	32%	40%	Purchasing									
	А	Materials Mgmt	A.3	Electronic transactions for POs, billing & payments	A.3.1	Number of vendors participating	0	2	Purchasing						Co	mp in <i>i</i>		
			A.4	Printer toner cartriges recycled	A.4.1	Number of schools participating	Unknown at this time	60%	Purchasing									
			B.1	All schools are ENERGY STAR® certified	B.1.1	Number of schools certified	25	28	Facilities				c	omplete	ed in Janu	uary		
					B.2.1	Schools' EUI within ODOE Range	33	36	Facilities							T		
	в	Energy & Water	В.2	Active participation in SB 1149 program	B.2.2	SB 1149 annual work plan	NA	Approved by Feb	Facilities					Con	pleted in	Feb		
	D	Management	в 3	All schools are Oregon Green Schools	B.3.1	Number of schools certified	31	5 New OGS Certifications	Facilities & Schools									
				-	B.3.2	Number of schools contacted	NA	5 per mo. during school year	Facilities									
		<u> </u>	B.4	Procure renewable energy	B.4.1	Install solar PV systems on school buildings	0	3 by Oct	Facilities			Complet	ed in O	ctober				
		Buildings & Grounds	C.1	Reduce toxic chemical use	C.1.1	Complete HS lab chemicals inventory	3	6	Risk									
			0.1		C.1.2	Cost / FY of toxic chemical disposal	\$8,866	\$8,422	Risk									
	С		C.2	Upgrade HS hazardous chemical storerooms to meet Risk Mgmt Report recommendations	C.2.1	Status of upgrade work	Recommendations report completed	Upgrades completed, or contracts awarded at 6 HS's	Risk & Maintenance									
			C.3	Develop Comprehensive Integrated Pest	C.3.1	Approved plan	NA	June	Maintenance									
			0.0	Management Program	C.3.2	Implementation resources budgeted	NA	June	Maintenance									
		Food	D.1	Develop & implement a system to identify and document the total dollar value of products NS purchases that are locally produced, packaged, packed or processed. Use this system to create a baseline for 2012-2013	D.1.1	System is created and implemented for on-going use. Baseline for 2012-2013 is created.	NA	June 30, 2012	Nutrition Services									
	D		D.2	Continue 2010-11 Pilot at Barnes & Aloha Huber Park ES to more precisely determine cost offset from reduction of garbage waste	D.2.1	Cost of pilot vs. current practice	NA	<u><</u> 1.0	Nutrition Services									
			D.3	Implement use of compartment type permanent ware trays at Elementary Schools. (Note: This goal depends on the outcome of D.2)	D.3.1	Number of ES using compartment type permanent ware trays	3	4	Nutrition Services									
						D.4	Increase the number of activities/experiences that connect Health Learning Targets on Nutrition to the meals served in the cafeteria	D.4.1	Number of Nutrition learning experiences that connect the classroom to the cafeteria.	2	5	Nutrition Services		Com	pleted in	Septer	nber	
		1	E.1	Reduce bus idle time	E.1.1	Establish idle time baseline	NA	March	Transportation									
	Е	Transportation	E.2	Install particulate filters on all BSD eligible buses	E.2.1	% of filters installed	72%	100%	Transportation									
			E.3	Increase walking & biking to schools	E.3.1	Number of ES & MS with walking maps	1	5	Safety Office									
			F.1	Utilize solar PV data in student classwork	F.1.1	PV lessons posted on TeacherSource	0	3	Teaching & Learning									
			F.2	Implement Sustainability Challenge	F.2.1	Program designed & executed	NA	Successfully Completed	Teaching & Learning									
			F.3	Schools & Depts post sustainability efforts on web	F.3.1	Articles in Staff Talk and posted on web	14	1 per mo. during school year	Teaching & Learning									
F	F	Education			F.4.1	All relevant items on TeacherSource are searchable by term "sustainability"	0	all (past and future)	Teaching & Learning									
			F.4	ID learning target-focused instructional materials on sustainability	F.4.2	Sustainability-linked lesson for every applicable target indentified in 2011 doc	10%	50%	Teaching & Learning									
					F.4.3	Sust. units "bundled" on TeacherSource	0	1 grade level band completed	Teaching & Learning									

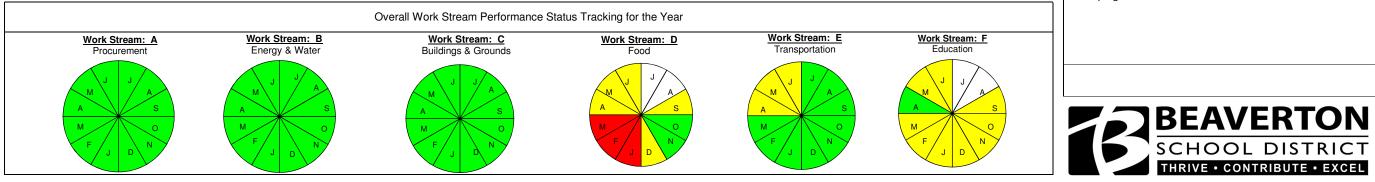
Status Key

On Track to Reach Target Questionable (list issues) Not on Track (list barriers)

No Information at this point

Abbreviations

Appreviations		
NG = natural gas	EUI = energy use index (BTU per square foot / year)	FY = fiscal year
therm = energy unit of natural gas	MMBTU = 1,000,000 BTU [British Thermal Units] of energy	ODOE = Oregon Department of Energy
kWh = kilowatt-hour of electricity	SB 1149 = reimbursable energy conservation projects	



Departments' Comments
Il Formal Solicitations are using ORPIN.
Custodial supplies @ 42%; Office Supplies @ 47%
Soal Met
District Wide Office Depot recycling program covers both toner and ink cart.
new Energy Star schools approved by EPA for total of 29
t year end, 39 schools' EUIs are within ODOE range, exceeding goal by 2 schools summer 2012 work plan completed.
Certifications = new + renewals + advanced cert. level) 6 complete; 2 in progress lad 8 meetings in June. Goal met for the school year.
completed and operating at Springville K-8, Elmonica ES, Capital Center Building
one school not completed (HSS). Next school year.
Y cost was \$8,203, which exceeded the target.
HS has interim solution. Next bond for construction of storeroom.
PM Plan implemented with administrative action in June. Board action pending.
dditional resoures are not required to implement the IPM Plan.
Farget date for implementation adjusted to August 1, 2012, as this will be when the new ontract with our major grocery vendor starts.
Cost of trays+paper boats is more expensive than using comparment trays, due to the igh cost of paper boats.
id not complete analysis of cost of compartment trays vs. current practice of flat trys //paper boats until August , so did not proceed with increasing the number of schools sing the compartment trays.
arget was met in Sept. Will continue to document any additional learning experiences. Currently completed 43.
lave baselines for all qualifying buses.
MAQ money is becoming available, but work can't be complete by June 30.
maps have been completed; 6 have been approved by the schools.
Vebsites completed & on-line. School Kiosk installations complete.
Sustainability Challenge completed.
ichool not in session in June. Goal met for the school year.
5% completed
bout 40% completed
lot completed

General Comments

* Targets have completion dates of June 30, 2012, unless noted otherwise.

<u>Overall Assessment:</u> 18 of 22 Goals in Work Plan completed. Substantial progress on most other Goals.



PRIORITY WORK STREAMS AND GOALS



PROCUREMENT & MATERIALS MANAGEMENT	ENERGY & WATER MANAGEMENT	BUILDINGS & GROUNDS	FOOD	TRANSPORTATION	EDUCATION
CONSUMPTION, PROCURE AND DISPOSE RESPONSIBLY, AND STRIVE TO ELIMINATE WASTE	TO OPTIMIZE ENERGY AND WATER RESOURCES, INCORPORATING LIFECYCLE CONSIDERATIONS IN FACILITY DESIGN, CONSTRUCTION, OPERATION, AND MAINTENANCE	TO ASSURE SAFE AND HEALTHY ENVIRONMENTS FOR LEARNING AND INCLUDE SUSTAINABILITY PRACTICES IN FACILITY SITING, DESIGN, CONSTRUCTION, AND MAINTENANCE	TO INSTILL HEALTHY EATING HABITS IN STUDENTS AND SERVE FOOD THAT SUSTAINS STUDENTS, LOCAL ECONOMIES, AND ENVIRONMENTS	TO REDUCE THE ENVIRONMENTAL IMPACT OF GETTING TO AND FROM SCHOOL AND OPERATING AND MAINTAINING DISTRICT VEHICLES	

'SUSTAINABILITY' DEFINED: MEETING THE NEEDS OF THE PRESENT WITHOUT COMPROMISING THE ABILITY OF FUTURE GENERATIONS TO MEET THEIR OWN NEEDS, CONSIDERING THE INTERRELATIONSHIPS OF ECONOMIC, SOCIAL, AND ENVIRONMENTAL FACTORS.

	PROCUREMENT & MATERIALS MANAGEMENT					
т	To reduce consumption, procure and dispose responsibly, and strive to eliminate waste					
	Sustainability Goal	Objective				
A.1	Educate about Sustainability					
		A.1.1 Incorporate Sustainability information into Purchasing Sharepoint site				
A.2	Consume Less					
		A.2.1 Communicate opportunities to reuse instead of purchasing new materials				
		A.2.2 Transition to electronic bidding process				
A.3	Minimize Waste					
		A.3.1 Develop reduced packaging language for solicitation documents				
		A.3.2 Develop end of life / recycling practices				
		A.3.3 Use electronic transactions for Project Orders, billing & payments				
A.4	Buy Sustainably					
		A.4.1 Procure sustainable office & custodial products				
A.5	Promote a Healthy Community					

	ENERGY & WATER MANAGEMENT					
Opti	Optimize energy and water resources, incorporating lifecycle considerations in facility design, construction, operation, and maintenance					
	Sustainability Goal	Objective				
B.1	Educate about Sustainability					
		B.1.1 Increase web presence				
		B.1.2 Energy & Resource Conservation staff to increase collaboration with Teaching and Learning Department for dissemination of curriculum and resources				
		B.1.3 Utilize other student activities for energy conservation education				
		B.1.4 Train custodial staff on energy efficient operations of buildings				
B.2	Consume Less					
		B.2.1 Create and maintain energy efficient buildings in Beaverton School District				
		B.2.2 Maintain aggressive implementation of energy conservation facilities projects				
		B.2.3 Facilities to collaborate with IT for ongoing computer power management				
		B.2.4 Use water efficiently at all District facilities				
B.3	Minimize Waste					
		B.3.1 Implement waste water minimization strategies				
		B.3.2 Energy & Resource Conservation staff to collaboration with Teaching and Learning Department for dissemination of curriculum and resources				
B.4	Buy Sustainably					
		B.4.1 Purchase high-efficiency building system equipment				
		B.4.2 Energy savings are reinvested into energy efficiency efforts				
		B.4.3 Procure renewable energy				
B.5	Promote a Healthy Community					
		B.5.1 Promote school contests around energy and water efficiency				
		B.5.2 Solicit community observations to identify energy and water waste				

	BUILDINGS & GROUNDS					
A	Assure safe and healthy environments for learning and include sustainability practices in facility siting, design, construction, and maintenance					
Sustainability Goal Objective						
C.1	Educate about Sustainability					
		C.1.1 Train maintenance & building staff for compliance with Integrated Pest Management plan				
		C.1.2 Train custodial staff on approved chemicals for cleaning				
		C.1.3 Inform public about District use of chemicals in schools (cleaning and pesticides)				
		C.1.4 Design educational features into new construction projects that inform students about the functional aspects of the building's systems & sustainability components				
C.2	Consume Less					
		C.2.1 Reduce water consumption used for irrigation				
C.3	Minimize Waste					
		C.3.1 Maximize recycling of waste building materials from renovation projects				
		C.3.2 Reduce storm water runoff by minimizing impervious surfaces in new construction				
C.4	Buy Sustainably					
		C.4.1 Mandate use of post-consumer recycled materials in new construction where feasible				
		C.4.2 Building and grounds designs and material selections incorporate sustainability considerations				
C.5	Promote a Healthy Community					
		C.5.1 Reduce indoor air pollutants				
		C.5.2 Implement a District Integrated Pest Management plan				

	FOOD					
Inst	Instill healthy eating habits in students and serve food that sustains students, local economies, and environments					
Sustainability Goal Objective						
D.1	Educate about Sustainability					
		D.1.1 Provide input to health curriculum about healthy and sustainable eating				
D.2	Consume Less					
		D.2.1 Reduce energy use in kitchen operations				
D.3	Minimize Waste					
		D.3.1 Reduce waste in the production and service of school meals				
		D.3.2 Reduce the amount of leftover food thrown in trash				
		D.3.3 Reduce the amount of disposable service ware used				
D.4	Buy Sustainably					
		D.4.1 Increase food purchases for the school meals program that come from local sources				
		D.4.2 Identify if current food products are packed or stored in cans lined with BpA				
		D.4.3 Increase purchase of organic produce				
D.5	Promote a Healthy Community					
		D.5.1 Implement "Healthier U.S. School Challenge" Criteria				
		D.5.2 Advocate for longer meal times for students				

	TRANSPORTATION					
Reduce t	Reduce the environmental impact of getting to and from school and operating and maintaining District vehicles					
Su	istainability Goal	Objective				
E.1 Edu	cate about Sustainability					
		E.1.1 Promote safe walking and biking routes to all schools				
E.2 Con	sume Less					
		E.2.1 Implement better routing system for buses				
		E.2.2 Train drivers on vehicle efficiency				
		E.2.3 Reduce Maintenance Services vehicle mileage				
		E.2.4 Reduce District vehicle idling to save fuel				
E.3 Mini	mize Waste					
		E.3.1 Maintain Ecobiz Certification				
E.4 Buy	Sustainably					
-		E.4.1 Expand use of biofuels in bus fleet				
		E.4.2 Purchase hybrid vehicles District-wide				
E.5 Pror	mote a Healthy Community					
		E.5.1 Create more safe routes to school				
		E.5.2 Reduce number of parents driving students to school				
		E.5.3 Reduce all vehicle idling at schools and support facilities to improve air quality				
		E.5.4 Reduce bus emissions				

	EDUCATION					
Inspi	Inspire and educate the BSD community of students, families, staff, neighbors, and businesses for and through sustainability					
	Sustainability Goal	Objective				
F.1	Educate about Sustainability					
		F.1.1 Provide sustainability and garden resources to support instruction, which is tied to learning targets and linked to TeacherSource.				
		Facilitate staff and student connections to community resources and F.1.2 grants that can be used as alternate teaching environments (Access Tutorials, study halls, service groups, summer courses etc.)				
		F.1.3 Share departments' and schools' sustainability successes in Staff Talk and on District website				
F.2	Consume Less					
		F.2.1 Share documents, class assignments & communication electronically whenever possible in schools and departments				
F.3	Minimize Waste					
		F.3.1 Purchasing Office communicates with District purchasers regarding reduced packaging options				
F.4	Buy Sustainably					
		F.4.1 Department purchasers specify reduced packaging options in contracts				
F.5	Promote a Healthy Community					
		F.5.1 Use Terra Nova garden program as a model for healthy eating				