

Bogong Outdoor Education Centre Strategic Environmental Management Plan (SEMP)

Aim: To improve the environmental sustainability of Bogong Outdoor Education Centre over the next three years (2009-2012)

To improve our ecological footprint

Waste Minimisation, recycling, food and green procurement		Water Conservation, health, and water management system		Energy Conservation, efficiency, renewable technology, greenhouse gas emissions, transport		Biodiversity Habitat, ecology, school grounds	
Operations		Operations		Operations		Operations	
<i>Goals</i>	<i>Targets</i>	<i>Goals</i>	<i>Targets</i>	<i>Goals</i>	<i>Targets</i>	<i>Goals</i>	<i>Targets</i>
To continue to audit Bogongs waste annually	Conduct waste audit #2 end of 2010	To continue to audit Bogong's water annually	Conduct water audit #2 end of 2010	To continue to audit Bogong's energy and gas usage annually	Conduct audit #2 in Term 4, 2010	To conduct a habitat survey	To increase biodiversity on and off site
To implement actions from waste audit	To reduce waste to landfill by 50% by 2012	To use water as efficiently as possible, therefore reducing Bogong's overall water consumption	To reduce our water consumption by 40% by 2012	Increase Bogong's Green power sourcing (from 10% to 100%)	To reduce energy consumption for the three year period (2009-2012) by 50%	To develop a weed management plan/program for Bogong	To reduce the number of exotic plants and weeds by 50% by 2012
To improve the Bogong's composting systems	Investigate worm farm, compost technology and build kitchen garden	To conduct a storm water assessment (sewerage assessment)		To investigate the use of S.E.T.S to monitor and track energy use	Have S.E.T.S operational by mid 2010	To identify from the habitat survey areas needing native/endemic planting	
To create a Bogong recycling centre	Signage and recycling hub by late 2010	To continue to mulch all garden beds	All garden beds mulched/ gravelled by end of 2009	To maintain and reinforce turn-off and shut down regimes within the school			

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Create professional development for staff on waste minimisation and associated themes		Create professional development for staff on water conservation/efficiency and associated themes		Create professional development for staff on energy efficiency and technologies		Create professional development for staff on biodiversity/habitats and associated themes	
Policy creation	Implement sustainable purchasing policy and green cleaning policy By end of 2010	Installation of water tanks (and signage)	By end of 2009	To purchase carbon offsets from accredited providers for school travel based emissions (eg.Greenfleet)			
Food packaging audit	By end of Term 1, 2010	Introduce water saving tips for toilet door spaces	Start of Term1 2010	Introduce energy saving tips for toilet door spaces	By end of Term 1, 2010		
Investigate waste sewerage and treatment in Bogong		To improve Bogong's washing regimes in kitchen/dining room as well as (eg buses, canoes, bikes)	By mid 2011	To monitor transport usage and mileage (internal/external)	To have a system in place for offsetting		

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To look at introducing Low Carbon food choices and education	Include in Budget for 2011. Complete by end of Term 2, 2011.	Flow control on all showers.	To be completed by Term 1,2010	To investigate the use of a mini hydro system (ie.platypus)			
				To carry out actions as proposed on initial energy audit (de-lamping, smartmeters, etc)			
				Improvement of current insulation in school and staff housing (wall, ceiling, floor) To further investigate the possibilities of photovoltaic technology			
Curriculum		Curriculum		Curriculum		Curriculum	
Involve and engage students in composting	To gather daily, weekly , term and year data of compost			To engage student in the production and monitoring of alternative energy's (hands on)		Improve student knowledge of fragile alpine environment	

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To improve signage around the school	To educate and inform students about waste minimisation	To improve signage around the school		To improve signage around the school (Green cards)		Create a frog habitat	
To provide real and 'hands on' experiences for students about waste	Eg. Clean Up Schools day, Nude food, Consumerism unit) Excursions to waste centres	To engage students with water catchment and conservation issues (eg;Story of a River, Bogong Water Challenge)		To implement a school meat-free day at Bogong		Further develop area of animal engagement	
To complete AussiVic waste module	By end of 2011	To complete AussiVic Water module	By end of 2011	Increase student learning in the areas of renewable technologies, global warming and climate change.		Conduct a bird census of Bogong and surrounds	
				Involvement in energy related theme days (ie. Ride2work, National plant a tree)	Ongoing	To educate to the wollemi pine	
				To complete AussiVic Energy module by end of Term 2, 2011		To establish a kitchen garden and integrate into student duties and meals	

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			To adopt the Mountain Pygmy Possum (Burrmys Parvus) as our mascot and teach to it
			To improve signage around the school
Whole School Community	Whole School Community	Whole School Community	Whole School Community
To model excellent waste practices	To educate about best practise regarding water management in a residential setting	Report energy ideas to wider community via Bogong website/media	To become more involved in local community planting/biodiversity programs with FCRM/Parks Vic/Landcare (eg.planting/moss bed rehab)
Open days Bogong's 40 th anniversary	To engage in activities with local water related groups Alpine Shire, North-east water, Water Watch, AGL		To complete AussiVic Biodiversity module by end of Term 4, 2010

Base Line Data

Electricity: 92,940 kWh (2007)

LPG: 343,590 MJ (2007)

Waste to landfill: Approx. 4000l (2006)

Water: 1,300 kL (estimation only as no metering in 2007)