Targets and Results

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TDK Environmental Action 2015–Agenda (EV 2011 and Modium and Long Torm Objectives and To

(FY 2011 and Medium and Long Term Objectives and Targets) Established: April 1, 2000. Revised: April 1, 2010 (0-									
Ohioatiwa			FY 2011 Tar	gets (by March 2011)	Medium Term	Long Term			
(Objectives	Scope	Target	Major Measures	(by March 2013)	(by March 2016)			
1 Preventing Global Warming	(1) Production sites	Global	• Reduce CO ₂ emissions by 5% or more from the FY 2006 level	①CO2 emissions reduction, site target value achievement ratio	• Reduce CO₂ emissions by 7% or more from the FY 2006 level	• Reduce CO ₂ emissions by 10% or more from the FY 2006 level			
		Japan	• Reduce CO ₂ emissions by 7% or more from the FY 1991 level	Reduce CO ₂ emissions/energy consumption by 2.0% or more year on year (reduce fixed part by 1.0% or more year on year)	 Reduce CO₂ emissions by 16% or more from the FY 2006 level (Reduction of 12% or more from the FY 1991 level) 	• Reduce CO ₂ emissions by 20% or more from the FY 2006 level			
	(2) Distribution	Global	• Reduce CO ₂ emissions in distribution (Set target for March 2011)	①Assess and review the amount of CO ₂ emissions	Set reduction targets	 Achieve reduction targets 			
		Japan	• Reduce CO ₂ emissions by 4% or more from the FY 2007 level	① Improve energy consumption per unit of products by 1.0% or more year on year	• Reduce CO ₂ emissions by 5% or more from the FY 2007 level	• Reduce CO ₂ emissions by 5% or more from the FY 2007 level			
2 Managing Waste		Global	waste emissions by 4% or more from the FY 2007	Maintain zero emissions Improve outsourced recycling index by 1.0% or more year on year Fromote recycling to produce valuable resources Promote reduce program	Reduce total waste emissions by 4% or more from the FY 2007 level	• Reduce total waste emissions by 5% or more from the FY 2007 level			
g Waste					Reduce total waste emissions by 7% or more from the FY 2007 level	Reduce total waste emissions by 10% or more from the FY 2007 level (Japan only)			
3 Envi	(1) Environmental Risk Management	Global	Reduce environmental risks	① Implement measures for environmental risk management		Reduce environmental risks			
3 Environmental Risk Management			 Reduce risk of atmospheric VOC emissions (Japan only) 	risk of atmospheric VOC emissions	Reduce environmental risks				
4 Conducting External Environment Activities	(1) Social Contribution Activities	Global	Carry out social contribution activities	Implement environmental actions matched to local needs Implement educational activities to raise environmental awareness and future-oriented thinking	Continue social contribution activities	Continue social contribution activities			
	(2) Compliance	Global	Strictly observe all laws and regulations Accommodate revision of Chemical Substances Control Law (Japan only)	① Implement preventive management based on self-managed standards ② Assess quantities of substances requiring registration	Intensify implementation of preventive management Assess quantities of substances requiring registration	 Intensify implementation of preventive management 			
5 Promoting the Creation of Environment-Conscious Products	(1) Strictly observe all regulations related to chemical substances used in products (REACH regulation compliance)	Global	 Implement product environment management in compliance with RoHS, REACH, and other international regulations related to chemical substances 	Establish chemical substances database Implement a chemical substances management database covering all steps from procurement to marketed product Complete RoHS compliant for plants Implement compliance with Chinese Electronic Information Products Pollution Control Regulations (Chinese RoHS) Update MSDS to GHS indication	Strictly observe regulations related to chemical substances in each country (1) REACH regulation, RoHS Directive/ELV Directive revision (2) Chinese Measures for the Pollution Control of Electronic Information Products (Chinese RoHS) 2nd step (3) Revised Chemical Substances Control Law Update MSDS to 100% GHS indication (compliance management)	• Strictly observe regulations related to chemical substances in each country			
	Promote reduction of environmental load throughout entire product life cycle	Global	Life cycle assessment (LCA) Establish new standard and perform evaluation	Implement LCA standard for product assessment Implement LCA for major products Make TDK products compliant with EuP directive	Promote reduction of environmental load during life cycle of product Activities to reduce environmental impact of major products through LCA (1) Assess carbon footprint (2) Assess GHG (greenhouse gases) evaluation	Promote reduction of environmental load during life cycle of product			
	Establish system for information propagation in supply chain	Global	Disclose environmental information on products to fully meet customer requirements	Expand information disclosure and sales of Eco Love products (15% or more in FY 2011) Disclose information about Substances of Very High Concern (SVHC) in accordance with REACH regulation Publish LCA data for major products Participate in information propagation activities in the industry	Disclose environmental information on products to fully meet customer requirements Expand information disclosure and sales of Eco Love products Disclose information about Substances of Very High Concern (SVHC) in accordance with REACH regulation Comply with Chinese RoHS certification system Publish LCA data for major products	Disclose environmental information on products to fully meet customer requirements			

TDK Environmental Action 2015-FY 2010 Results

Objectives -		FY 2010 Targets			Results	
		Scope	Target	Major Measures	11004110	
_	(1) Production sites	Global	• Reduce CO ₂ emissions by 4% or more from the FY 2006 level	Olmprove energy consumption per unit of products by 2.0% or more year on year @Reduce fixed energy consumption by 1.0% or more year on year @Set and strictly observe voluntary CO ₂ emission limits and targets	CO_2 emissions increased by 2% from the FY 2006 level (Decrease of 1.9% from the FY 2009 level)	
Preventing (Japan	• Reduce CO ₂ emissions by 3% or more from the FY 1991 level	①Set and strictly observe voluntary CO ₂ emission limits and targets ②Reduce fixed energy consumption by improving production methods and facilities	CO_2 emissions decreased by 13.2% from the FY 1991 level (Decrease of 5.0% from the FY 2009 level)	
1 Preventing Global Warming	(2) Distribution	Global	• Reduce CO ₂ emissions in distribution (Set target for March 2011)	①Assess and review the amount of CO ₂ emissions	Consideration of global application of system to assess CO ₂ emissions in product distribution	
<u>.</u>		Japan	• Reduce CO ₂ emissions by 3% or more from the FY 2007 level	① Improve energy consumption per unit of products by 1.0% or more year on year	CO_2 emissions decreased by 22.2% from the FY 2007 level (Increase of 8.7% from the FY 2009 level)	
2 Manag		Global	• Reduce total waste emissions by 3% or more from the FY 2007 level	Maintain zero emissions Improve outsourced recycling index by 1.0% or more year on year Promote recycling to produce valuable resources	Total waste emissions decreased by 20.4% from the FY 2007 level (Decrease of 11.6% from the FY 2009 level)	
2 Managing Waste		Japan	• Reduce total waste emissions by 3% or more from the FY 2007 level	①Improve outsourced recycling index by 1.0% or more year on year	Total waste emissions decreased by 14.5% from the FY 2007 level (Decrease of 3.9% from the FY 2009 level)	
3 Environmental Risk Managing (Reducing atmospheric VOC emissions)		Japan	Reduce atmospheric VOC emissions by 30% or more from the FY 2001 level	①Reduce atmospheric VOC emissions by 30% or more from the FY 2001 level ②Implement voluntary action plan (introducing facilities, improving processes and controlling waste generation)	Atmospheric VOC emissions decreased by 67% from the FY 2001 level	
4 Conducting External Environment Activities	(1) Social Contribution Activities	Global	Carry out social contribution activities	①Implement environmental actions matched to local needs ②Implement educational activities to raise environmental awareness and future-oriented thinking	Environmental protection activities extending to rural mountain regions, national parks, and coastlines carried out on a global scal *Forest sponsorship agreement ("Mori No Sato-oya Keiyaku") signed between TDK-Lambda Corporation and Shinanomachi, Nagano * Mangrove planting on national forest and coastal regions in Thailand, etc. Environment awareness education programs in primary and middle schools in various areas * "Try it with the Kids Environmental Festival in 2009 (Kodomo to Tamesu Kankyo Matsuri)" held in Chuo-ku, Tokyo * Environmental quiz game for children at a summer party held in Hungary, etc.	
nal ies	(2) Compliance	Global	Strictly observe all laws and regulations Accommodate revision of Chemical Substances Control Law (Japan only)	①Implement preventive management based on self-managed standards ②Assess quantities of substances requiring registration	①One case where pollution levels exceeded the self- measured statutory values ②As of March 31, 2010, TDK has not incurred any requirements under the amended Chemical Substance: Control Law, so future revisions will be monitored	
5 Promoting the Crea	(1) Strictly observe all regulations related to chemical substances used in products (REACH regulation compliance)	Global	Implement product environment management in compliance with RoHS, REACH, and other international regulations related to chemical substances	①Establish chemical substances database Implement a chemical substances management database covering all steps from procurement to marketed product ②Implement green procurement in compliance with REACH regulation ③Promote use of alternatives and substitutes for substances with high environmental impact ④Update MSDS to GHS indication	Introduced a chemical substance management system (GreenAXIS) to integrate management chemical substance data from goods purchased to products sold. Efforts are being made to fill out the data for goods purchased, product profiles and finished products.	
Promoting the Creation of Environment-Conscious Products	(2) Promote reduction of environmental load throughout entire product life cycle	Global	Life cycle assessment (LCA) Establish new standard and perform evaluation	①Establish a new standard for life cycle assessment (LCA) ②Implement LCA for major products ③Make TDK products compliant with EuP directive	Added LCA to product assessment as an evaluation category to serve as an indicator of environmental impact, assessed for new products. Also, LCA data for electronic components are being published by the Japan LCA Forum through JEITA.	
Conscious Products	(3) Establish system for information propagation in supply chain	Global	Disclose environmental information on products to fully meet customer requirements	Expand information disclosure and sales of Eco Love products Disclose information about Substances of Very High Concern (SVHC) in accordance with REACH regulation (SComply with environmental load information disclosure in accordance with EuP Directive (Participate in information propagation activities in the industry	Promote products that have especially low environmental impact on the TDK website as Eco Love products (138 products as of March 2010). Efforts are being made to expand the percentage of Eco Love products among products sold to 30% from 15% by the end of FY2012 as a business objective.	

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