

# FY 2012 Energy Efficiency Survey

\*High-load machinery: refrigerators/freezers, aeration tank ventilators, steam management, etc.

Business site/Company name	"Green curtains" (bitter gourd plants)	Adjustments to work styles	Management of thermostat settings	Electricity/water saving and conservation awareness	Reducing fluorescent lighting; LEDs, etc.	Adjusted operation of high-load machinery*	Limits on refrigerator use, etc.	Heat barrier film/paint, water dispersion	Surveys, etc. of efficiency measure efficacy	Remarks
Head Office, NIPPON KAYAKU CO., LTD.		—	●	●	●	—	●	—	●	Ceased air ventilation in the underground parking area Summer : ceased hot water usage for hand washing and switched off toilet seat heaters
Fukuyama Plant/ NIPPONKAYAKU FUKUYAMA CO., LTD.	●	●	●	●	●	●	●	●	●	Removed unnecessary steam pipes, upgraded outdoor steam traps, installed new ice maker/refrigerator/freezer, halted operation of unnecessary refrigeration equipment
Asa Plant	●	—	●	●	●	●	●	●	●	Implemented work days when employees were not allowed to drive to work
Tokyo Plant/ NIPPON KAYAKU TOKYO CO., LTD.	●	—	●	●	●	●	●	●	●	Received a commendation from the Commissioner of the Kanto Bureau of Economy, Trade and Industry as a FY 2012 Excellent Energy Management Company
Takasaki Plant	●	—	●	●	●	●		●		Adopted a gas co-generation system for operation in FY 2013
Himeji Plant	●	●	●	●	●	●		●	●	Reviewed possible adoption of a photovoltaic power generation system for operation in FY 2013
Kashima Plant	●	—	●	●	●	●			●	Optimized steam management Reviewed possible upgrades for refrigeration equipment
Tokyo business CENTER/ Tokyo business district	●	—	●	●	●	●		●	●	Optimized steam management, halted operation of clean room during long holidays, switched air-conditioning to ventilation only during intermediate periods, reduced air flow load of clean room during break times, etc.
POLATECHNO CO., LTD.		—	●	●	●	●			●	
Moxtek, Inc.		—			●	—				Turned off lights in empty rooms and during lunch break
Wuxi Polatechno Optics Co., Ltd.		—	●	●	●	—			●	Turned off lights in empty rooms and during lunch break
Dejima Tech B.V.		—		●		—				
POLATECHNO (HONG KONG) CO.,LTD.		—	●	●	●	—			●	
NIKKA FINE TECHNO CO., LTD.		—	●	●		—				Held discussions on energy and resource efficiency measures (in preparation for ISO14000 certification)
Nippon Kayaku Korea Co., Ltd.		—	●			—				
Euro Nippon Kayaku GmbH		—	●	●		—				
KAYAKU CHEMICAL (WUXI) CO., LTD.		—	●	●						Installed heaters but no air-conditioners
MicroChem Corp.		—	●	●		●				
Wuxi Advanced Kayaku Chemical Co., Ltd.		●		●	●	●		●		
Zhaoyuan Advanced Chemical Co., Ltd.		●	●	●	●	●		●	●	
NIPPON KAYAKU FOOD TECHNO CO., LTD.	●	—	●			—				Placed fans inside; circulated air and adjusted temperature settings of air-conditioners
Tumor Diagnosis Support Co., Ltd.	●	—		●	●	—		●		
Nippon Kayaku Medical Care Co., Ltd.	●	—	●	●	●	—				Temperare settings of air-conditioners carried out with a demand controller
NAC Co., Ltd.		—	●	●		—				
Taiwan NJC Corp.		—	●			—				
INDET SAFETY SYSTEMS a.s.		—	●	●		—				
Kayaku Safety Systems (Huzhou) Co., Ltd.		—	●	●		—			●	Carried out energy-saving awareness education; reviewed and implemented energy-saving measures
Nishiminato Driving School Corporation		—	●	●	●	—		●	●	
Kayaky (Shanghai) Co., Ltd.		—	●	●		—			●	Carried out energy/water saving measures and conservation awareness efforts Adjusted air-conditioning settings
Wako Toshi Kaihatsu Co., Ltd.		—	●	●	●	—		●	●	Thinned out the number of fluorescent lighting fixtures; continued to keep lights off during lunch break
NIKOS CO., LTD.		—	●	●	●	—				
JHMS Co., Ltd.		—			●	—				
Okiura Golf Center Co., Ltd.		—	●	●	●	—			●	Received requests for energy saving measures from the prefecture and city
Kouwa Sangyo Co., Ltd.	●	—	●	●	●	—	●	●	●	Implemented work days when employees were not allowed to drive to work
Gunnan Sangyo Co., Ltd.	●	—	●	●	●	—	—	●	—	
Head Office, KAYAKU AKZO CORPORATION		—	●	●		—				
Asa Plant, KAYAKU AKZO CORPORATION		—	●	●		—				
Head Office, Kayaku Japan Co., Ltd.		—	●	●	●	—				Lengthened the period for the "cool biz" dress code (short sleeves, no jackets, and no ties) Advertised our "cool biz" measures on the company website
Asa Plant, Kayaku Japan Co., Ltd	●	—	●	●	●	—	●	●	●	Implemented work days when employees were not allowed to drive to work
Sanko Kagaku Kogyo Co., Ltd.		—			●	—				Grew "green curtains" of bitter gourd, akebi, and wisteria Upgraded production site lighting to energy efficient types