

**The 1st international TOP TEN list was publicized at the policy council of the IPEEC on June 27**

- Brief report on the “TOP TEN energy conservation technologies and practices project” ;
- The 1st international TOP TEN list was publicized at the policy council of the IPEEC (International Partnership for Energy Efficiency Cooperation), the highest organ thereof, on June 27. At the same time, the domestic TOP TEN lists of the respective countries, which presented the projects this time, were also uploaded to the IPEEC’s website.

[www.ipeec.org/publications.html](http://www.ipeec.org/publications.html)

- The Japan’s results are as follows.

For the BATs (Best Available Technologies), 9 corporations were finally listed (10 of them if a joint presenter is included) with respect to 11 presented projects. For the BPs (Best Practices), on the other hand, 3 corporations were finally listed with respect to 8 presented projects.

- The domestic projects have been already chosen this year (BATs: 14 corporations, BPs: 8 corporations). There will be some movements toward the 2nd international TOP TEN selection in the latter half of this year.

- The TOP TEN project was recognized as a formal initiative by the G20 as well as the IPEEC. Its future development is expected.

Table: 1<sup>st</sup> International Top Ten List

**<BPs (Best Practices)>**

Description: Project presenter corporation*	Country
Optimizing generator controls	Australia
Efficient flight planning (airline company)	Australia
Reducing idle running in manufacturing	Australia
Using low-temperature industrial waste heat for district heating in Qianxi Country	China
BEMS-applied model building by joint venture of China and Singapore in Tianjin Eco-city	China
Energy saving in a gigawatt-scale coal-fired generation unit by Guohua Electric Power Corp	China
Energy conservation practices at Qingdao Refining and Chemical Co., Ltd.	China
Energy ‘just-in-time’ (JIT) activities: Denso Corporation	Japan
Promoting energy conservation and peak load control for factories: Panasonic Corporation	Japan
Realization of large-scale energy conservation by integrating ethylene plant into LNG plant: Mitsui Chemicals, Inc., Osaka Petrochemical Industries, Ltd., Osaka Gas Co., Ltd. (Jointly presented)	Japan

## <BATs (Best Available Technologies)>

Technology	Application: Project presenter corporation*	Country
Recovery and utilization of industrial waste heat	Exhaust heat power generation	Australia
	Thermoelectric central heating	China
	Exhaust heat recovery turbine in metalworking industry	China
	Exhaust heat recovery from blast furnace slag cooling water	China
	Application of low-temperature waste heat power generation to industry by organic Rankine cycle	United Stated
	Application of low-temperature waste heat to power absorbing chiller	United States
High-efficiency low-emission boiler	Boiler economizer	Australia
	New high-efficiency industrial boiler utilizing pulverized coal	China
	Small once-through boiler: Hirakawa Corporation, Miura Co., Ltd., Takuma Co., Ltd., Nippon Thermoener Co., Ltd. (Individually presented)	Japan
	Low-NOx regenerative burner	Japan
High-efficiency heat pump	Air-source heat pump by using 2-step inverter compressor	China
	Cooling/heating simultaneous heat pump system in production process: Aisin AW Co., Ltd.	Japan
	Low-temperature heat pump: IHI Machinery and Furnace Co., Ltd.	Japan
	High-temperature heat pump: Kobe Steel, Ltd.	Japan
CHP (Combined Heat and Power)	Co-generation	Australia
	Co-generation by gas engine: Kawasaki Heavy Industries, Ltd.	Japan
	Industrial CHP (co-generation system)	United States
Pumping system optimization by slot adjustment		Australia
Vibration control by high harmonic spectrum		China
High-efficiency LED lighting: Toshiba Lighting & Technology Corporation		Japan
Variable frequency drive (VFD)		United States
Eco drive		Australia
Premium light dimming technology: Hitachi Appliances, Inc.		Japan