

Energy Sector Action Plan Coloring of Climate Change Education Forum 2018

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MEDAN - To continue to provide information and education to the public regarding the activities and impacts of climate change, especially in Indonesia, the Directorate General of EBTKE c.q Directorate of Energy Conservation participates in the 8th Indonesia Climate Change Forum and Expo 2018, which was held on 17th October 19, 2018 at Hotel Santika Medan.

The activity organized by the Indonesian Ministry of Environment and Forestry in collaboration with The Climate Reality Project took the theme Together Towards a Low Carbon Future. This event was followed by government ministries, local government agencies, businesses, communities that support climate change control. Activities that are based on climate change adaptation and mitigation aim to make stakeholders throughout Indonesia pay more attention to changes that occur in the environment, especially related to climate change.

"Global warming has become the concern of the world community, the impact of global warming that Indonesia feels is marked by natural disasters and ecological disasters such as frequent floods, landslides and hurricanes," said the Head of the Indonesian Ministry of Environment and Forestry Research and Innovation , Dr. Agus Justianto in his remarks while opening the event.

As is known, as many as 197 member states of the United Framework Framework for Climate Change (UNFCCC) are committed and strive to prevent global temperature rise, and have produced a new global climate change consensus documented in the Paris Agreement.

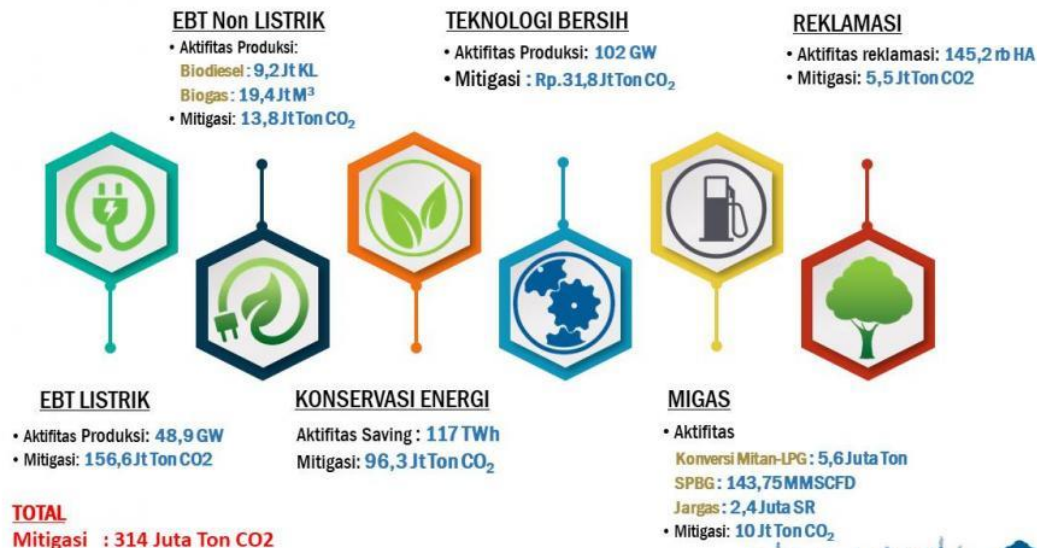
The Indonesian Government has ratified the Paris Agreement to the UNFCCC regarding the Paris Agreement on the United Nations Framework Convention on Climate Change through Law No. 16 of 2016 on October 24, 2016. Indonesia's Nationally Determined Contribution (NDC) at the UNFCCC in 2016 stated the commitment to contribute to the reduction of Greenhouse Gas emissions in 2030 by 29% with its own efforts and up to 41% if there is international cooperation from conditions without action.

For Indonesia, a 29% reduction in emissions will be achieved from forest and use by 17%, from energy by 11%, from agriculture, industry, and waste by 1%. Agus hoped that through the 2018 climate change forum this could provide education related to climate change adaptation that was assembled in the UNFCC forum. This activity also became a communication space in debriefing the Indonesian delegation to enter the COP 24 - UNFCCC round, in Katowice, Poland in November 2018.

During the exhibition activities, the Directorate General of EBTKE opened a booth and presented an Action Plan and Follow-up of the energy sector to achieve NDC targets and low-carbon development, which was carried out in 5 components, namely Electricity EBT, Non-electric EBT, energy conservation, clean technology, oil and gas and reclamation. Information is also presented on ISO 50001 Energy Management which is an international standard related to energy management, to implement an energy management action plan.



RENCANA AKSI SEKTOR ENERGI



In addition to participating in the exhibition activities, there were also speakers in the workshop session, representatives of the Directorate General of EBTKE, Head of Energy Efficiency Technology Application Section, Ardian Marta Kusuma who delivered information and education to participants attended by students and teachers from Al-Azhar Medan city.

"The increase in the earth's temperature must not exceed 2 degrees because it will experience heat on the earth which will harm the community" said Ardian. Furthermore, Ardian explained that the Ministry of Energy and Mineral Resources optimizes the fulfillment of energy needs as a driver of the national economy but also minimizes the impact on climate change.

Energy sector mitigation actions are carried out in various sub-sectors. For the EBTKE sub-sector, it is realized by maximizing the use of clean energy / renewable energy through the construction of Geothermal Power Pant (PLTP), Solar Power Plant (PLTS), Micro Hydro Power Plant (PLTM) ,MiniHydro Power Plant (PLTMH), Wind PowerPlant (PLTB), Hybrid Power Plant (PLT Hybrid), Biomass PLT, Biogas, Biodiesel, the implementation of energy management mandatory, the implementation of energy conservation partnership programs, improving household appliances efficiency , development of intelligent PJU, as well as through the program Energy Saving Solar Lights (LTSHE).

For the mineral and coal subsectors, it is realized through land reclamation after mining. Oil and natural gas (oil and gas) sub-sector, mitigation actions are carried out through the conversion program of kerosene to LPG, the use of natural gas as an urban public transportation fuel, an increase in house connections that flow through natural gas through pipes (jargas) and the distribution of converter kits for fishermen. The electricity subsector,

mitigation actions are addressed through the construction of hydropower plants, the use of clean coal technology in power plants, the use of waste heat recovery in power plants, the use of cogeneration in power plants. (k)

KEGIATAN AKSI MITIGASI SEKTOR ENERGI

Sektor EBTKE



- Pembangunan PLTP
- Pembangunan PLTS
- Pembangunan PLTM
- Pembangunan PLTMH
- Pembangunan PLTBayu
- Pembangunan PLTHybrid
- Pembangunan PLTBiomassa
- Pemanfaatan Biogas
- Pemanfaatan Biodiesel
- Penerapan Mandatori Manajemen Energi
- Penerapan Program Kemitraan KE
- Peningkatan Efisiensi Peralatan RT
- Pembangunan PJU Cerdas
- Lampu Tenaga Surya Hemat Energi (LTSHE)

Sektor MINERBA



- Reklamasi Lahan Pasca Tambang

Sektor MIGAS



- Konversi Minyak Tanah ke LPG
- Penggunaan Gas Alam Sebagai Bahan Bakar Angkutan Umum Perkotaan
- Peningkatan Sambungan Rumah yang Teraliri Gas Bumi Melalui Pipa (Jargas)
- Pembagian Converter Kit untuk Nelayan

Sektor GATRIK



- ✓ Pembangunan PLTA
- ✓ Penggunaan *Clean Coal Technology* pada Pembangkit Listrik
- ✓ Penggunaan *Waste Heat Recovery* pada Pembangkit Listrik
- ✓ Penggunaan *Cogeneration* pada Pembangkit Listrik