

**The Fund's significant management and future direction in management**

**Maintenance in 2019**

In 2019, Electricity Generating Authority of Thailand (EGAT) has performed maintenance of the North Bangkok Power Plant Block 1 to be in readiness for seeking benefit. The duration of maintenance is in the period as planned and it has not affected the annual availability payment hour. The detail of maintenance activities are set out as follows;

No.	Maintenance	Objective
1	Bore scope Inspection of an internal system of the air compressor and combustion chamber of the gas turbine	To inspect the abnormality of the air compressor and gas turbine
2	Repairing the flaw of the weld of Reheater#2 output tube of the steam-boiler unit 11 and unit 12	To follow up the damage of steam-boiler unit 11 being found on the Year 2017 due to the lack of fusion of the weld of tube and expand the repairation to steam-boiler unit 12 followingly
3	Repairing the electric insulators in the flange of natural gas tube at North Bangkok Metering and Regulating Station (NBMR)	To solve the subsidence of the natural gas tube
4	Replacing the first layer of air filter of the gas turbine	To replace the air filter due to the lifetime deterioration
5	Replacing tube and steam-boiler	To solve the leaking of steam

### **Future direction in management of the Fund**

Due to the rapid spread of the Coronavirus Diseases 2019 (“**COVID-19**”), the Hot Gas Path Inspection & Minor Inspection (“**HGPI & MI**”), which was planned to be operated from June 13, 2020 – July 19, 2020, has been postponed as HGPI & MI maintenance must be managed and inspected by the Technical Advisors travelling from other countries especially from the high risk countries such as Japan, South Korea, United State of America and Singapore. Therefore, in order to decrease the spread of COVID-19, the HGPI & MI maintenance will be postponed to August 29, 2020 – October 4, 2020.

Prior to determination to postpone the maintainance, in order to ensure that the equipment and spare parts of gas turbine are in a standard and criterion as suggested by the manufacturer, it is recommended that the postponement of the maintenance shall not exceeding 10% of the lifetime of the equipment. Based on the calculation operating hours until designated to August 29, the operation of the gas turbine was not exceeding 10% of the lifetime of the equipment. Due to the postponement of the maintenance, the list of the maintenance items are reconsidered for the appropriateness, with the details as follows;

<b>No.</b>	<b>Maintenance</b>	<b>Objective</b>
1	Overhaul of the high pressure steam turbine and medium pressure steam turbine	As recommended by from the manufacturer
2	Replacing the spare parts of the gas turbine that is in contact with Hot Gas Path	To replacing the gas turbine parts due to lifetime deterioration.
3	Improvement of gas turbine control system (MkVIe)	To upgrade the system.
4	Replacing and installing the load commutated inverter and exciter	To upgrade the system.
5	Overhaul of two circulating water pumps :CWP	As recommended bfy from the manufacturer
6	Inspection of all condensers by using the eddy current method and cleaning the condensers	To inspect leak o the Condenser