

## Environmental Performance

The scope of social performance report is cover EGCO and its' subsidiaries which EGCO have controlling power and operate more than 1 year. However, EGCO Annual report was reported all power plants except GIDEC (GIDEC was divested in early 2018)

## Key Performance Indicators

KPI	Target	Target Year
1.Score of Sustainability Award by the Stock Exchange of Thailand (SET)	Score of Sustainability Award is higher than average of group1*.	2017
2. New MWe from Renewable Project.	Increase the proportion of Renewable capacity in portfolio to be 30% in 2026	2026
3. Environmental quality is compliance by law.	Environmental quality is compliance by law.	2017

\*Group 1 : Listed companies which market capitalization over THB 100,000 Million Baht.

## Energy Consumption

Energy consumption	Unit	2014	2015	2016	2017	Target
A. Non-renewable fuel purchased and consumed	MWh	27,100,212	22,520,276	22,300,713	22,319,111	
B. Non-renewable electricity purchased	MWh	2,518	31,513	6,664	8,486	
C. Steam / heating / cooling and other energy (non-renewable) purchased	MWh	0	0	0	0	
D. Total renewable energy purchased or generated.	MWh	268,000	586,883	633,493	726,201	
E. Total non-renewable energy sold	MWh	9,506,708	8,877,648	10,078,510	10,278,940	
Total non-renewable energy consumption (A+B+C-E)	MWh	17,596,023	13,674,141	12,228,867	12,048,657	13,236,299

## Environmental Performance

	Unit	2014	2015	2016	2017	Target
Direct GHG Emissions (scope 1)	metric tonnes CO <sub>2</sub> equivalents	7,364,562	6,583,213	6,886,636	6,425,145	6,148,967
Total Direct GHG Emissions (scope 2)	metric tonnes CO <sub>2</sub> equivalents	0	3,556	4,860	7,454	7,001
<b>Water Consumption</b>						
A:Municipal water supplies or other water utilities	million cubic meters	0.0026	0.0000	0.0010	0.0010	
B:Fresh Surface water	million cubic meters	1,063	1,026	1,353	1,203	
C:Fresh Ground water	million cubic meters	0	0	0	0	
D:Water Returned to the source	million cubic meters	598	556	588	535	
Total Net Fresh Water Consumption (A+B+C-D)	million cubic meters	465	470	765	667	
<b>Air</b>						
No <sub>x</sub> Emission	Metric tonnes	10,657	9,681	7,815	6,320	
So <sub>x</sub> Emission	Metric tonnes	9,764	6,767	5,438	4,044	
TSP	Metric tonnes	675	564	608	740	
<b>Waste</b>						
Total Waste Disposed	Metric tonnes	38,177	30,320	35,775	21,260	
Hazardous Waste	Metric tonnes	159	1,680	142	243	
Ash & Gypsum (reused or recycled)	%	51%	54%	61%	63%	
Mercury Emission	Metric tones	0.1769	0.0305	0.0159	0.0197	
SF6 Emission	Metric tones	0.0001	0.0091	0.0002	0.0422	