

Parameter	2012 (Baseline Year)	2015	2016	2017	2018	% Change 2017 VS 2018	% Change 2012 VS 2018	2018 Target (Baseline Year 2017)
 Greenhouse Gas Emission (GHG Emission)								
Total Scope 1 emission (Tonnes CO ₂ e)	18,249.98	29,765.00	31,257.32	24,583.26	21,160.73	↓ -13.92%	↑ 15.95%	-12.50%
Total Scope 2 emission (Tonnes CO ₂ e)	95,259.34	91,458.00	81,672.63	80,222.59	76,720.06	↓ -4.37%	↓ -19.46%	-4.00%
Total Scopes 1&2 emission (Tonnes CO ₂ e)	113,509.32	121,223.00	112,929.95	104,805.85	97,880.79	↓ -6.61%	↓ -13.77%	-6.00%
Total Scopes 1&2 emission intensity (Tonnes CO ₂ e per FTE)	5.06	3.50	3.72	3.45	3.25	↓ -5.92%	↓ -32.58%	
 Energy								
Total energy consumption within organization from renewable and non-renewable sources (MWh)	238,063.88	345,744.31	271,050.29	240,383.34	220,185.06	↓ -8.40%	↓ -7.51%	
- Total fuel consumption within the organization from non-renewable sources (MWh)	230,429.70	331,894.46	256,750.98	229,191.07	209,526.30	↓ -8.58%	↓ -9.07%	-6.00%
- Total fuel consumption within the organization from renewable sources (MWh)	7,634.18	13,849.85	14,299.31	11,192.27	10,658.76	↓ -4.77%	↑ 39.62%	
Total energy consumption intensity from renewable and non-renewable sources (MWh per FTE)	10.61	9.99	8.93	7.92	7.31	↓ -7.72%	↓ -31.09%	
Total energy consumption within organization from renewable and non-renewable sources (GJ)	857,029.97	1,244,679.52	975,781.06	865,380.02	792,666.21	↓ -8.40%	↓ -7.51%	
- Total fuel consumption within the organization from non-renewable sources (GJ)	829,546.92	1,194,820.05	924,303.53	825,087.85	754,294.67	↓ -8.58%	↓ -9.07%	
- Total fuel consumption within the organization from renewable sources (GJ)	27,483.05	49,859.48	51,477.53	40,292.16	38,371.54	↓ -4.77%	↑ 39.62%	
Total energy consumption intensity from renewable and non-renewable sources (GJ per FTE)	38.19	35.98	32.16	28.52	26.32	↓ -7.72%	↓ -31.09%	
 Water								
Water withdrawal (mil m ³)	1.27	1.61	0.75	0.79	0.81	↑ 3.21%	↓ -35.87%	-2.00%
Water withdrawal intensity (m ³ per FTE)	56.39	46.64	24.82	26.01	27.04	↑ 3.97%	↓ -52.05%	
Total CO ₂ emission from water withdrawal (Tonnes CO ₂)	-	-	-	-	448.95	-	-	-
Total CO ₂ emission from water withdrawal per FTE (Tonnes CO ₂ per FTE)	-	-	-	-	0.01 (0.0149)	-	-	-
 Waste								
Total Waste generate* (Metric Tonnes)	7,060.14	9,438.81	6,176.65	5,780.97	7,599.67	↑ 31.46%	↑ 7.64%	
- Total weight of hazardous waste (Metric Tonnes)	-	-	-	0.01	0.42	↑ -	-	-
- Total weight of non-hazardous waste (Metric Tonnes)	-	-	-	5,780.96	7,599.25	↑ 31.45%	-	-
- Total waste used / recycled / sold / others (Metric Tonnes)	150.08	287.64	474.90	910.59	1,024.31	↑ 12.49%	↑ 582.49%	
- Total waste disposed (Metric Tonnes)	6,910.06	9,151.17	5,701.75	4,870.38	6,575.36	↑ 35.01%	↓ -4.84%	
Waste generated intensity (kg per FTE)	314.61	272.81	203.59	190.51	252.30	↑ 32.43%	↓ -19.80%	
 Travel								
Total business travel from road (km)	1,822,754.55	1,745,954.57	1,248,284.14	869,865.18	3,668,803.42	↑ 321.77%	↑ 101.28%	
Total CO ₂ emission from road travel (Tonnes CO ₂)	262.84	323.20	180.00	159.35	593.35	↑ 258.73%	↑ 125.74%	
Total CO ₂ emission from road travel per FTE (Tonnes CO ₂ per FTE)	0.01 (0.0117)	0.01 (0.0093)	0.01 (0.0059)	0.01 (0.0053)	0.02 (0.0197)	↑ 261.38%	↑ 68.37%	
Full Time Employee** (FTE)	22,441	34,598	30,339	30,344	30,121	-0.73%	34.22%	

Remarks:

- GHG Emission (Scope 1) in 2018 includes refrigerant leaks, which account for 0.14 percent of the total GHG under Scope 1 and Scope 2.
- GHG Emission (Scope 2) includes consumption of energy directly purchased from Metropolitan Electricity Authority and Provincial Electricity Authority only.
- GHG Emission (Scope 3) was calculated from business travels by road and water consumption only.
- KBank has recalculated power consumption. In the base year 2012 - 2017, KBank reported the total energy consumption based on electric power only. However, in 2018, KBank has recalculated power consumption by including 1) non renewable energy including electricity and power from fuel combustion and 2) renewable energy including solar power, bio-diesel and bio-gasoline in the fuel ratio.
- In 2018, water consumption was higher than the figure in 2017 because KBank increased water meter at KBank Learning Center's buildings in Bang Pakong for more complete data coverage and water consumption excluding the KBank Learning Center's buildings was 0.768 mil m³. The target of 2.00% water reduction was set based on water consumption excluding the KBank Learning Center's buildings.
- Total volume of waste rose compared to 2017, given that the report included higher data coverage on the volume of used paper sent for recycled by outsourced companies, and waste disposed to landfill. In 2018, KBank reported waste disposed of by landfill, recycling and other methods totaling 6,575.36 tons, 1,023.89 tons and 0.42 tons, respectively. Due to expanding coverage of data collecting system and data reporting, the figures for total waste generated in 2015-2017 are retroactively recalculated to include total waste recycled.
- Total business travel by road increased compared to 2017, given that data on travel by road for the appraisal business was included for more complete data coverage. Previously, only data on travel by taxi pool between the Rat Burana Building, Phahon Yothin Building and Chaeng Watthana Building had been reported. In 2018, business travel by road excluding appraisal business accounted for 111.84 tonnes CO₂.

* An increased amount of waste is calculated from the amount of waste treated by municipality and outsourced company. It included hazardous and non-hazardous waste but excluded electronic waste.

** FTE = Full Time Employees were considered from average number of employees per month in 2018 including the employees of KBank, K Companies, KBTG and P Companies and excluding employees in department stores.