

SDG 13 Climate Action

Take urgent action to combat climate change and its impacts

To prepare a report on GHG and the GHG emission reduction roadmap of FPT University, we encountered some difficulties. First of all, there is no uniform guideline from the nation and the Ministry of Education and Training on reporting and accounting standards that are distinct and appropriate for universities. From 2019 to 2020, FPT University consolidated its separate SGD programs into a common DEVELOPMENT STRATEGY of the university. In the years before 2019, we made annual SDG reports in accordance with FPT Corporation.



Green design can make use of natural light and wind

533

actions of employees have participated in community activities contributing to Climate Action – SDG 13.

30.979

actions of FPT University students have participated in community activities contributing to Climate Action – SDG 13.



In these calculations, we temporarily take 2018 as the school's base year of GHG emissions. Compared to other campuses of FPT University in the nation, the Hanoi campus was the first to be built with relatively solid infrastructure that is being CONTINUOUSLY UPGRADED. Our campuses are in the process of setting up new buildings and classrooms. FPT University implements KEY MEASURES to reduce carbon emissions: promoting tree planting and greening at campuses, smart electricity consumption management, other centralized administrative management measures.

SCOPE 1 OF THE GREENHOUSE GAS PROTOCOLS: DIRECT EMISSION FPT University is a young private university that has only been in operation for 15 years and is rapidly growing across the country as part of the Mega University strategy. The development of FPT University is connected to the educational institution's VISION and long-term DEVELOPMENT, as well as the GREEN ENERGY POLICY of FPT Corporation and the country. The application of green design in the architecture of the buildings on the FPT University campuses by architect Vo Trong Nghia is a significant aspect (see more SDG 7, SDG 11, SDG 12). This design has been recognized with numerous national and international green design awards. The GREEN DESIGN and POTTED PLANTS are placed all over the building's surface in FPT University's Ho Chi Minh City campus and other campuses in the subequatorial zone, where the average summer temperature is 29.3-35 degrees Celsius, providing a NATURAL COOLING SYSTEM that reduces the amount of electricity needed for air conditioners.

FPT University does not own vehicles and equipment that run on petroleum, coal, or firewood, and instead of PURCHASING CLEAN ENERGY from third parties to reduce the usage of fuel sources.



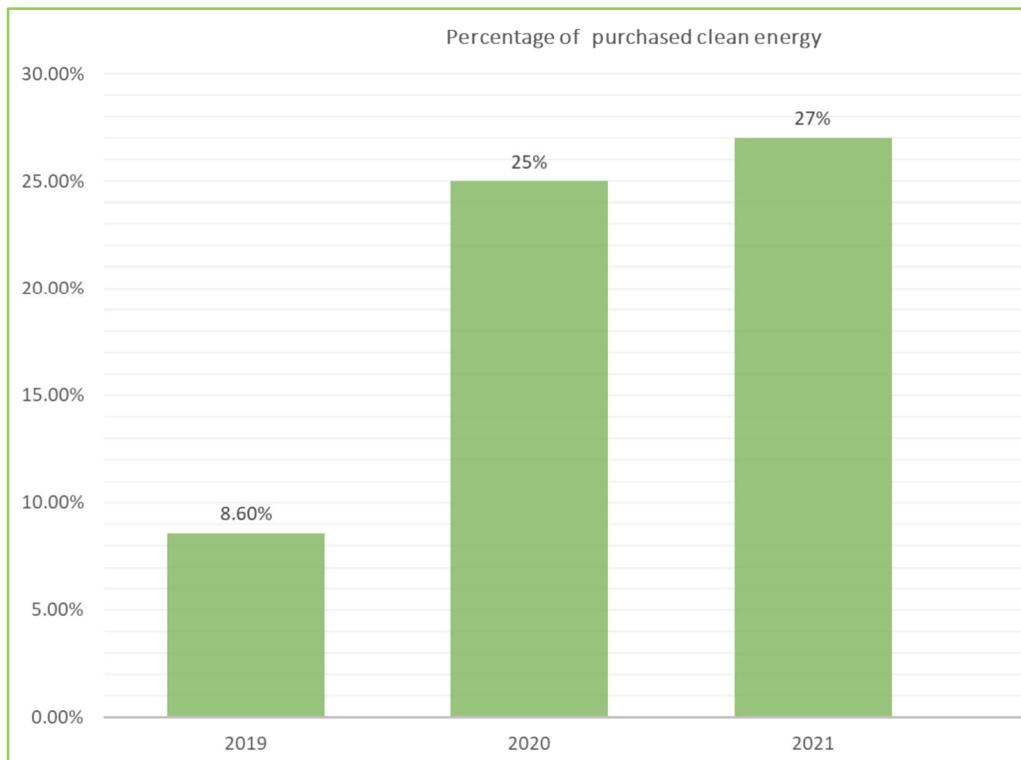
Green design can make use of natural light and wind



**SCOPE 2 OF THE GREENHOUSE GAS PROTOCOLS:
INDIRECT EMISSIONS FROM PURCHASED ENERGY**

The majority of energy used by FPT University campuses comes from the city's electrical grid. 8.6 percent of FPT University's total energy purchased in 2019 came from renewable sources such as solar and wind energy (compounded at the national rate*). In 2021 the percentage of clean energy rose to 27 percent, which was also the percentage of clean energy in the total energy consumption of FPT University.

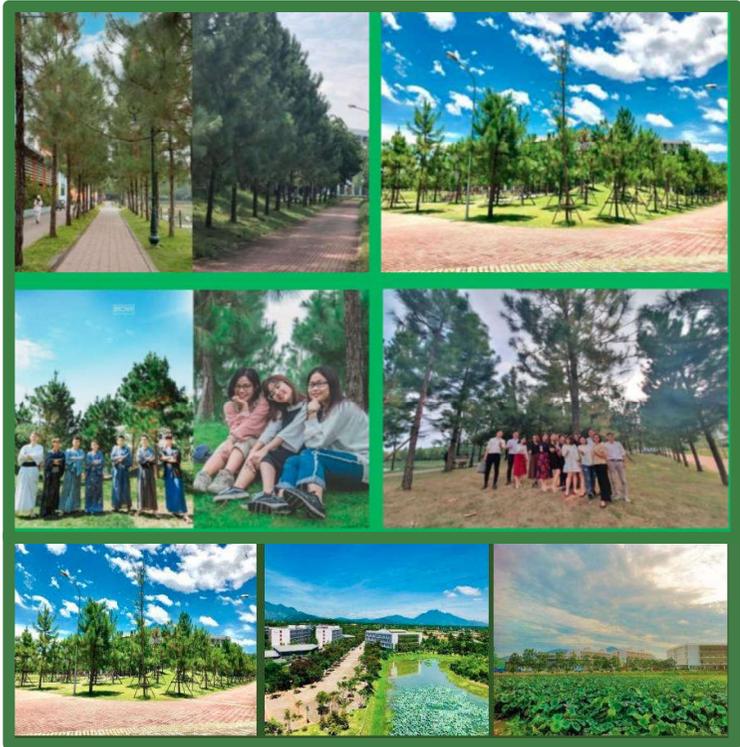
**compounded at the national rate represents the national average, which varies by location.*



2019			2020			2021		
Total purchased energy (KWh/year)	Total purchased clean energy (KWh/year)	Percentage of purchased clean energy	Total purchased energy (KWh/year)	Total purchased clean energy (KWh/year)	Percentage of purchased clean energy	Total purchased energy (KWh/year)	Total purchased clean energy (KWh/year)	Percentage of purchased clean energy
2,204,290	18,956.9	8.6 percent	3,036,956	759,239	25 percent	2,975,743	80,328,861	27 percent

Table 13.1: Total energy, and clean energy purchased by FPT University in 2019-2020-2021

FPT University's engineers built a smart power consumption management system in dormitories, classrooms, and common areas such as corridors and stairs to reduce emissions from electricity usage. Because users usually forgot to switch off the power when exiting the room, electricity usage per person in approximately 100 classrooms on each campus is rather high. Engineers have developed **A MOVEMENT SENSOR SYSTEM** that switches off the lights, air conditioning, and electrical equipment in classrooms 10 minutes after the users' exit. These automatic sensor types of equipment are currently installed on all FPT University campuses across the country.



Many trees are planted in FPT University campuses

SCOPE 3 OF THE GREENHOUSE GAS PROTOCOLS: contains 15 CATEGORIES for measurement, with different commitments and complexities, institutions that intend to achieve carbon neutrality. FPT University implements **TWO KEY MEASURES** to reduce carbon emissions: promoting tree planting and centralized administrative management measures.

FPT University planted more **3,242 SHADE TREES AND EASY-CARE PERENNIALS** (over 20-year old), over **16,000 LOW-STEM TREES** covering the surface of buildings, and **50,000 M2 OF GRASS**. 200 shade trees, perennial /1ha. Planting "Forest Tropical" trees on the walls of buildings. In 2015, FPT University took a number of further steps to cut energy use, including replacing all computers with laptops. Along with minimizing the use of printers, FPT University implemented a **"PAPERLESS"** policy throughout the school beginning in 2019, reducing the amount of paper used in operations about 28.4 percent/year. papers are most commonly used by far in administration, enrollment, training departments



Shuttle buses at FPT University

In order to reduce emissions from personal transportation, FPT University has increased **SHUTTLE BUSES** connected to the city bus system to transport its staff and students. In 2020, the university has started using electric buses as shuttle buses, promoting green transport. Individual car users have formed A **"RIDESHARE" GROUP**. The 'Biike' app by FPT University students is helping make shared transportation more efficient. With the promotion of the above measures and with the results achieved, FPT University **Commitment to carbon neutral university before 2035**.- Sustainable Development Policy of FPTU Chapter VI Article 29



FPT University connected with the local public transportation system



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