

Energy and Climate Change (EC)

Greenhouse gas emission reduction program



1. Solar panels (Tanta University, Egypt)



2. Electric cars (Tanta University, Egypt)



3. Public Transportation (Tanta University, Egypt)



4. Electric shuttle (Tanta University, Egypt)



5. Cycling events (Tanta University, Egypt)



6. Water desalination unit (Tanta University, Egypt)



7. Water conservation (Tanta University, Egypt)

8. Recycling organic waste (Tanta University, Egypt)

Description:

Tanta University has a commitment for greenhouse gas emission reduction, so it takes many procedures to achieve this goal, these procedures are reflected in many programs that has been implemented for covering all greenhouse gas emission reduction three scopes.

These procedures and programs are as follows:

- 1- Tanta University installed and operated solar panels in some of their buildings for producing renewable energy to reduce purchased electricity and there is a stratigic plan for expanding reliance on this source of renewable energy in the future.
- 2- Tanta University relying on electric cars (golf cars) for commuting patients inside it's hospitals which reduce depending on fossil fuels.
- 3- Tanta University has a public transportation program for commuting academic and administrative staff to reduce vehcles inside campus.
- 4- Tanta University has an electric shuttle for commuting campus population to reduce generating emissions from fossil fuels.
- 5- Tanta University keen on organizing cycling events to encourage campus population for using bicycles instead of cars which meet its goal about depending on using zero emission vehicles inside campus.
- 6- Tanta University implemented an innovative program for water desalination by using solar energy which contributes to conservate water and energy at the same time.
- 7- Tanta University has a program for water conservation through two underground water tanks with total capacity of 2300 m³ which reduce purchased water inside campus.
- 8- Tanta University has a program for recycling organic and inorganic waste for producing useful materials such as organic fertilizers, wooden products, alum, and artistic works.