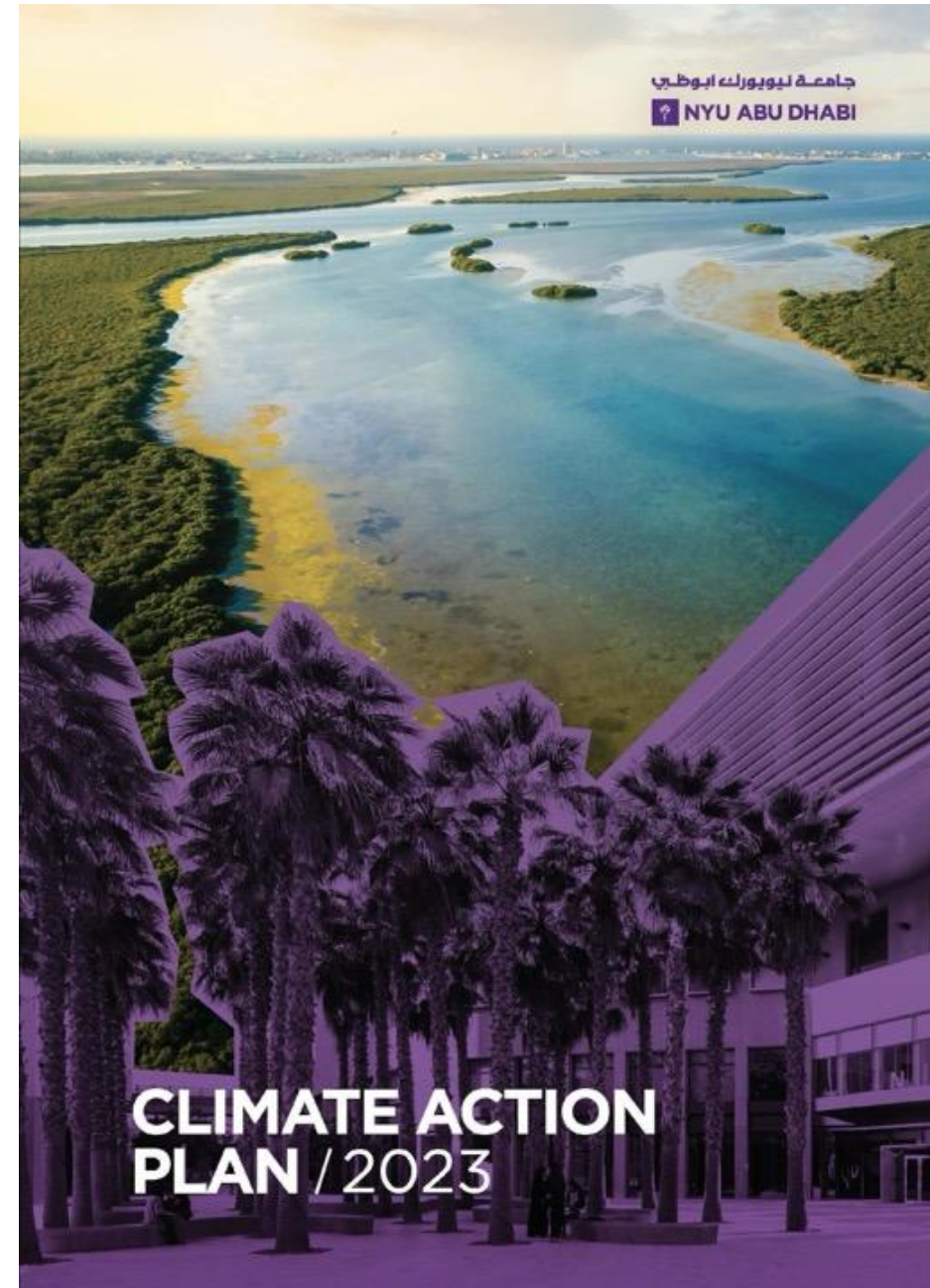
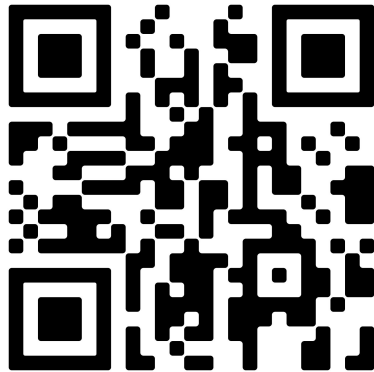


Drafting NYUAD's Climate Action Plan

UCN - Carbon Neutrality Pillar

Feb 2025

Climate Action Plan | Document



Climate Action Plan | Assumptions

- ❑ There will be **regular checks annually to monitor progress**, validate the underlying assumptions and principles, and to adapt the Climate Action Plan Framework as part of the implementation phase.
- ❑ The **government will develop regulatory framework and deploy suitable clean affordable sources of energy** to enable the transition to Net-Zero by 2050.
- ❑ **Evolution of industry and introduction of new renewable sources of energy and technology shall present opportunities** to enable the transition in a sustainable manner.
- ❑ **Significant expansion of campus or change in use will warrant a review** of the Climate Action Plan.
- ❑ **Nominal increase in energy demand (electricity, chilled water etc.) from the baseline 2019 year moving forward is considered.**
- ❑ Emission factor improvements include grid-emissions and chilled-water-emissions from EWEC and TABREED until 2035. The current scenario assume no further improvement to both emissions factors post 2035.
- ❑ Offset measures are based on costs today and do not consider the likely lower cost of solar and/or CECs in the future.

Climate Action Plan | Methodology

GHG Emission Baseline & Forecasting

- Establishment of 2019 GHG emission baseline
- Forecasting of scope 1 & 2 emissions

Activation of carbon emissions reduction measures

- Energy efficiency measures (EEMs)
- Behavioral DSM measures
- Forecasting of grid emissions factors improvement over time

Activation of measures for residual emissions

- Off-site renewables
- Clean energy certificates
- Carbon offsets

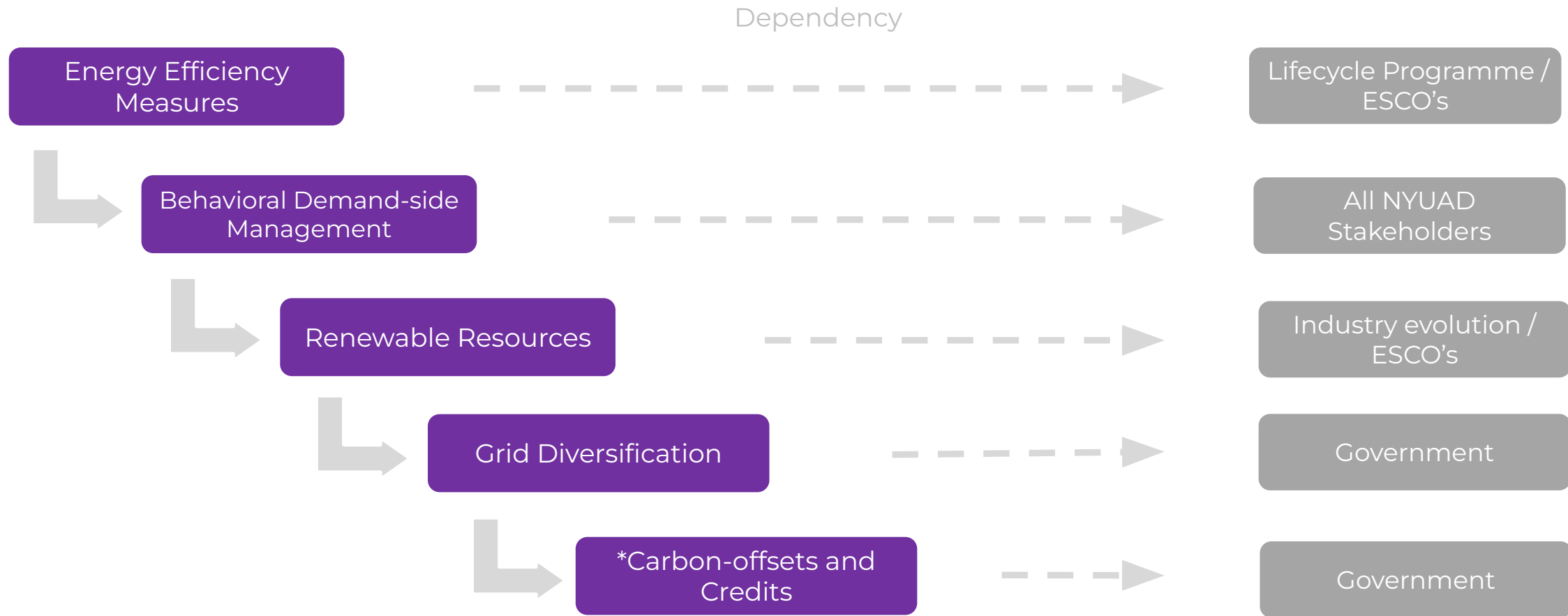
Target identification & phasing of measures

- Carbon Neutral by 2050

Climate Action Plan | Principles

- **The Climate Action Plan is a framework** that sets out the guiding principles and the roadmap to become carbon-neutral by 2050.
- **The framework shall be reviewed on an annual basis** with key stakeholders to validate the underlying assumptions and principles to ensure the framework remains relevant to deliver optimal value (environmental, economical, and social).
- The Climate Action Plan target is **aligned with UAE Net-Zero target of 2050**.
- Energy Services Company (ESCO) can be evaluated in a later stage as a backup option for long term capital-intensive energy projects, that will invest and recover their investment through reduction in utility expenditure over an agreed term; and
- Energy Efficiency Measures and Demand Side Behavioral Management are to be prioritized.
- Renewable Energy system options are to be reevaluated at a later stage.
- Carbon offsets and Credits are “least preferred and last resort”, and implementation is by mutual agreement with Tamkeen.
- Maintain engagement with government, regulators and key stakeholders to seek clarity on regulation, energy diversification, priority sectors and targets to inform the underlying assumptions and principles of the Climate Action Plan.

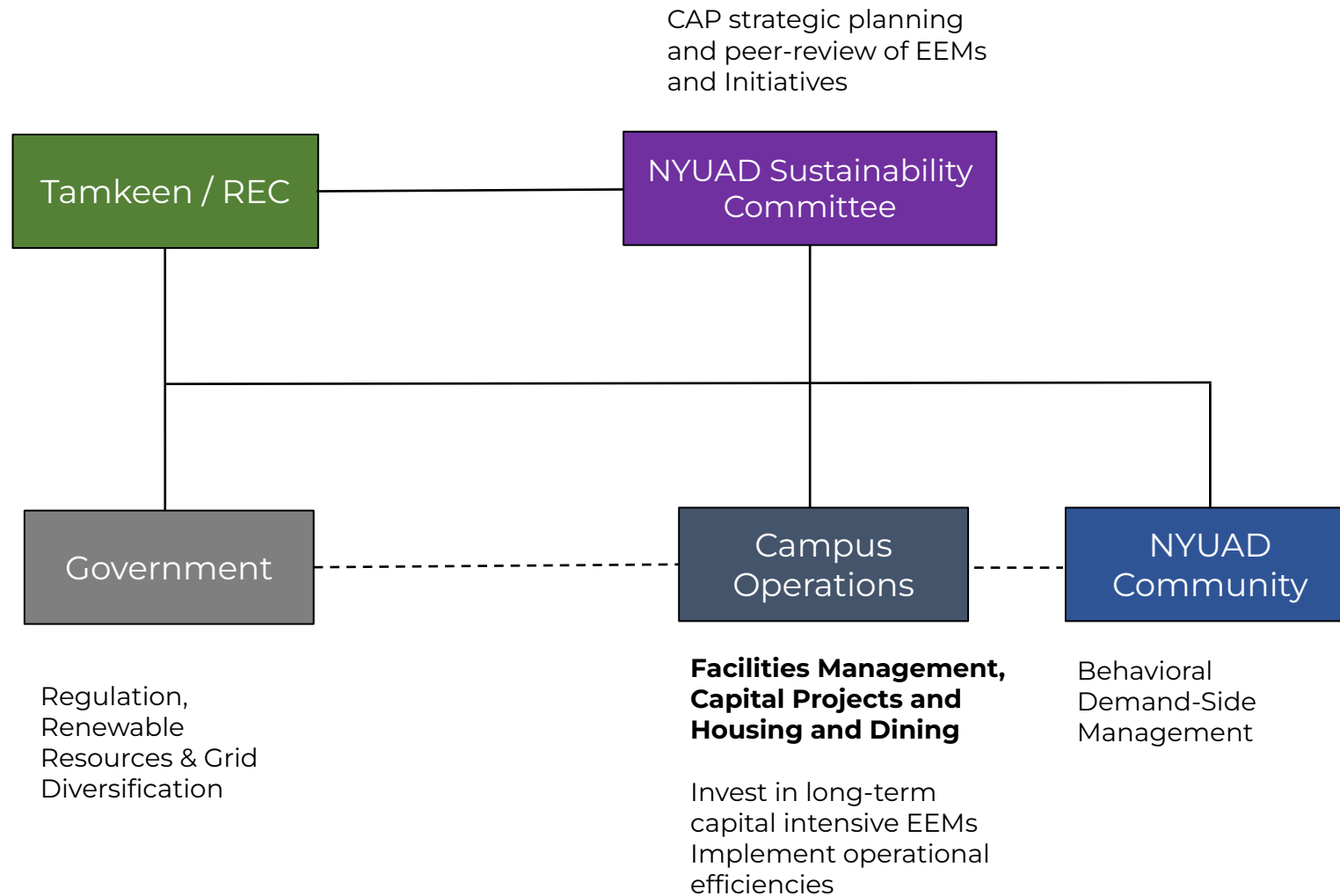
Climate Action Plan | Approach



Note: Energy Efficiency Measures, Behavioral Demand-side Management and Renewable Resources are to be prioritized.

**Carbon-offsets and Credits is the least preferred and last resort and will be implemented by mutual agreement with Tamkeen.*

Climate Action Plan | Stakeholder Management



Climate Action Plan | Behavioral Demand-side Management

❑ Residential Apartments Electrical Usage

- Monthly electrical monitoring in apartments
- Identify High and Low Energy Users
- Tenant Guide development
- Strategic partnership with the Department of Energy
- Review options for interfacing with End Users
- Setpoint restrictions
- End of life appliances replacement with efficient options

❑ Electrical Vehicle Charging Stations

- Charge users for the option to use charging stations
- Enable rotation of maximum number of users per station
- ROI to Charging Stations (fund future sustainability initiatives)
- Encourage community members to buy electric cars (and replace petrol vehicles)
- Contributes to Scope 3 GHG emissions reduction from transportation
- Maintain the forefront of sustainability

❑ Water Strategy

- Maximize the number of water refill stations on campus
- Minimize the use of single use plastic water bottles
- Campaign to inform community of available potable water sources

❑ Future Initiatives

- Strategic partnership with External Relations (ER) and student gov; strategy for engagement with community
- ER to advise on timing of each initiative (ensure that messages are clear and do not overlap)
- Future topics include:
 - **Water** (break myths around water potability, highlight microplastics content in bottled water)
 - **Food** (minimize food waste front of house, engage nutritionists sessions on vegetarian/vegan diet)
 - **Waste Recycling** (break myths about recycling, encourage community to maximize recycling rate)
 - **Student energy use** (nudging in dorms, work with SIGs)