

CLIMATE CHANGE AND ENERGY PROGRAMME

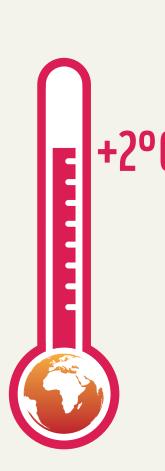
The need to act on climate change is urgent – and the UAE has a vital role to play.

If we don't begin rapidly reducing global greenhouse-gas (GHG) emissions within the next five years and beyond, average temperatures are likely to rise by more than 2°C this century. The probable impacts would be disastrous: declining crop yields, rising sea levels, ocean acidification, droughts, floods, storms and heatwaves, and major economic losses. We also risk losing between 15-40% of our species to extinction. In the UAE, impacts can include warmer weather, extreme cyclones, higher salinity in the Arabian Gulf and sea level rise.

By 2020, Emirates Wildlife Society (EWS)-WWF wants to see the UAE making climate change a national priority, and take significant steps to low-carbon development by addressing climate change risks, increasing renewable energy, expanding energy efficiency and reducing emissions from transport. This would demonstrate leadership in global efforts to avoid the worst impacts of climate change – while also bringing environmental and economic benefits. By implementing more ambitious targets, the UAE can send a signal to the international community that even countries heavily reliant on fossil fuels are ready to take action on climate change.

We work with a wide range of partners – from businesses across sectors to governments at Emirate, federal and regional level – to provide solutions on the most pressing climate and energy issues. As the only international non-profit organisation taking this approach in the region, with your support, together we can make an impact.

TOGETHER, WE CAN SCALE UP ACTION
TO TACKLE CLIMATE CHANGE BY BUILDING
A SUSTAINABLE, LOW-CARBON FUTURE



CHALLENGE

THE CLIMATE The scale of emission reductions needed to avoid the severest impacts of climate change demands more urgent action globally and locally.

> While on a global scale the UAE's total carbon emissions are small, per capita emissions are five times the world average. By making climate change a national priority and embracing ambitious targets on renewable energy and energy efficiency, the UAE can send a strong signal to the international community that even countries heavily reliant on fossil fuels see the case for action on climate change.

The UAE can play an important role in international and regional action on climate change. The country has a unique chance to demonstrate that it's possible to shift towards a low-carbon future while maintaining economic growth, and to position itself as a leader in providing resources, know-how and expertise for building a resilient, low-carbon economy.

While progress is happening on many levels, current plans are not nearly ambitious enough to meet the challenges or make the most of the opportunities.

Challenges



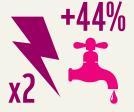
The UAE's total GHG emissions grew an average 5% per year from 1992 to 2013.



Electricity and heat production accounted for 39% of GHG emissions in the UAE in 2012.



The UAE is the third highest per capita consumer of water in the world. This contributes significantly to GHG emissions because of energy required for sea water desalination.



Energy demand is expected to nearly double by 2030, and water use to grow 44% by 2025.

... and opportunities



A recent solar PV project in Dubai set a new world record low price for generating electricity at US\$0.0584/kWh. Solar power is now cheaper than most gaspowered electricity in the UAE.



The 2014 federal UAE lighting regulation, banning the sale of non-efficient light bulbs, will save 940,000 tonnes of CO2 per year - equivalent to taking 165,000 cars off the road.



Businesses participating in EWS-WWF's Heroes of the UAE Private Sector Programme reduced energy use by 12% and water use by 35% on average, while achieving significant cost savings.



Action to cut emissions will reduce air pollution, create new jobs and market niches, and increase output and trade - all with positive benefits to GDP.

THE SOLUTION Our goal: By 2020, the UAE makes climate change a priority, and takes significant steps to

> low-carbon development by increasing renewable energy ambitions, and expanding energy efficiency.

During 2015-2017, EWS-WWF's Climate Change and Energy Programme's four-pronged approach will focus on:

1. Expanding energy and water efficiency

We'll work with businesses and government bodies to identify barriers to increasing energy and water efficiency, and solutions to overcome them. That includes developing fairer tariffs for energy and water that account for the full cost of production, including environmental costs. We'll also create a coalition of banks, energy companies and key businesses to develop financial incentives enabling people to purchase the most energy-efficient and water-efficient technologies on the market.

2. Scaling up renewable energy ambition and implementation

We'll run an awareness campaign to debunk the myths around renewable energy, while carrying out an objective assessment of the potential for renewable energy in the UAE. This will enable us to advocate for much more ambitious targets - and we'll use our knowledge and experience to help governments develop and implement policies to achieve them.

3. Driving the UAE Ecological Footprint Initiative

We'll build on the successful foundations of our Ecological Footprint Initiative to drive down emissions in key areas. In the transport sector, we'll support the Emirates Authority for Standardisation and Metrology to develop a vehicle label and fuel efficiency standard for the UAE, and promote fuel-efficiency policies across the Gulf region.

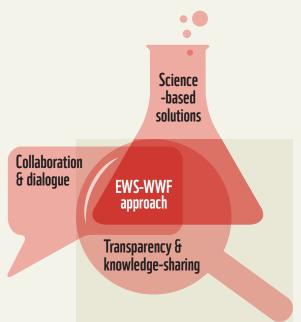
4. Making climate change risk a national priority

We'll publish research to highlight the risks that climate change poses to the UAE, and engage with policymakers to make addressing climate change more of a priority, at home and internationally. We'll encourage the UAE to support international agreements on climate change, including committing to a measurable goal for reducing carbon emissions and influencing other Gulf countries to take similar action.









WHY PARTNER WITH EWS-WWF?

Climate and energy issues can only be tackled by working together – and EWS-WWF can help your organisation be part of the solution.

We are uniquely placed to facilitate national action on energy and climate change. Working across the UAE, we have a track record of bringing together a range of stakeholders, including government and businesses, to find practical ways forward. We can link Emirate-level entities with federal agencies and ministries, and work with public and private sectors to develop mutually supportive policies and market mechanisms. For businesses, especially those with an interest in renewables or efficient technologies and services, EWS-WWF is well placed to help promote these new markets.

We also have the support of the wider WWF network behind us. We're part of a respected global team working across many countries and sectors to stimulate action on climate change. Our international colleagues have helped bring about significant progress on renewable energy and climate change in fossil-fuel-rich countries like China and Mexico, while the global Seize Your Power campaign helped shift billions of dollars of investment out of fossil fuels and into renewable energy. Our work benefits greatly from the credibility and immense breadth and depth of knowledge the WWF network has on these issues.

WITH YOUR SUPPORT, WE CAN SCALE UP OUR IMPACT TO ENABLE THE UAE TO EMBRACE LOW-CARBON DEVELOPMENT AND PLAY A KEY ROLE IN THE FIGHT AGAINST CLIMATE CHANGE

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Established in 2001 under the patronage of HH Sheikh Hamdan bin Zayed al Nahyan, Rulers Representative in the Western Region, EWS-WWF mission is to work with people and institutions within the UAE and the region, to conserve biodiversity, tackle climate change and reduce the ecological foorprint through education, awareness, policy, and science-based conservation initiatives.

For more information about EWS-WWF please visit: uae.panda.org