

Iran energy efficiency

Caption: Tehran, Iran captured in mid-September 2020. Photo credit: UNDP Iran

Iran is among the 10 largest emitter of Carbon Dioxide (CO₂) in the world, and the residential and commercial building sectors are the main contributors of this challenge. Increasing energy efficiency in existing and new buildings contributes significantly to reducing emissions and addressing climate change.

To overcome this challenge, UNDP has partnered with the Government and Tehran Municipality to improve the energy efficiency by 25% for existing buildings and by 60% for new buildings.

The initiative consists of 190 pilot projects in residential, public, and office buildings. Energy use audits and digital information system and a market based financial instrument are 3 key components and incentives to engage the public and expand the initiative.

Smart control and monitoring systems are being installed in buildings paving the way for smart buildings. Smart building solutions improves sustainability and energy efficiency and through gathered data from smart sensors and meters, building management systems provide efficiency through improvements in lighting, fire and security systems. These buildings also enhance personal safety, comfort, and security.

Cities are ground zero for the COVID-19 pandemic has highlighted the pre-existing structural weaknesses. As we respond and work towards recovery, we look to our cities as hubs of community, human innovation and ingenuity.

UNDP together with its partners is reacting to, and learning from the crisis and responding with options towards building forward better with greener strategies, greener infrastructure, financial instruments and green jobs.

These unprecedented times when many are facing socio-economic, public health and climate action challenges, calls for strategies which brings more efficiency to communities as a component of a much-needed broader approach to building forward better in an equitable and inclusive way to ensure everyone enjoys clean air, healthy and comfortable living environments, quality jobs, and affordable energy.

Launching ceremony of Energy Monitoring Information System held in Tehran on 13 September in the presence of Vice-President for Science and Technology, Minister of Road and Urban Development, Mayor of Tehran and UNDP Iran Resident Representative. Photo credit: UNDP Iran

In Iran, we have achieved 20% reduction in energy consumption and CO₂ emissions for 400 pilot buildings



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