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### RENEWABLE ENERGY

#### ECC APPROVES SOLARIZATION OF 27,000 TUBE-WELLS IN BALUCHISTAN

The Economic Coordination Committee (ECC) approved the solarization of 27,000 agriculture tube-wells in Baluchistan with an estimated cost of Rs.55 billion in order to uplift and develop the agriculture sector of the province. Read more here

<https://tribune.com.pk/story/2544220/ecc-approves-solarisation-of-27000-tube-wells>

#### NEPRA FLAGS RS. 69 BN LOSS DUE TO IDLE COAL PLANTS

National Electric Power Regulatory Authority (NEPRA) has raised serious concerns about inefficiencies in the power system and called for urgent action to address transmission bottlenecks. Read more here

<https://www.dawn.com/news/1910174>



#### PUNJAB APPROVES E-TAXI PILOT PROJECT WITH 1100 ELECTRIC CABS

The Punjab government has advanced its much-anticipated e-taxi project, approving a pilot phase of 1100 electric taxis and solar-powered charging stations set to launch soon. Read more here

<https://tribune.com.pk/story/2544260/punjab-approves-e-taxi-project-pilot-to-launch-with-1100-electric-cabs>

#### NEPRA WARNS REDUCED HYDEL GENERATION WILL AFFECT PROPOSED TARIFF

Shift in energy mix follows a sharp decline in rainfall across the country, which will affect the proposed relief for consumers.

Read more here

<https://profit.pakistantoday.com.pk/2025/05/24/nepra-warns-reduced-hydel-generation-will-affect-proposed-tariff-adjustments-for-fy-2025-26/>

#### PDMA REQUESTS GOVERNMENT TO ISSUE RULES FOR SOLAR PANEL INSTALLATION

This development comes after heavy rains lashed several parts of Punjab on Saturday, resulting in multiple casualties. About two dozen incidents of the fall of solar panels and billboards were also reported. Read more here

<https://www.dawn.com/news/1913443/punjab-pdma-requests-govt-to-issue-rules-for-proper-solar-panel-installation>

### Around The World

#### IEA WARNS OF POTENTIAL SHORTAGES OF COPPER AS DEMAND INCREASES FOR RENEWABLES

A recent report from the International Energy Agency (IEA) has predicted that demand will outpace supply for copper and lithium over the next 10 years as these critical minerals face higher demand for the green energy transition. Read more here

<https://www.ecowatch.com/copper-shortage-forecast-iea.html>

#### CLEAN ENERGY'S SHARE OF WORLD'S ELECTRICITY REACHES 40%, IN 2024

More than 40 percent of the world's electricity was generated without burning fossil fuels in 2024. Solar power continues to be the fastest-growing energy source, with the amount of electricity it generates doubling in the last three years. Read more here

<https://www.bbc.com/news/articles/cq80yqdd3zlo>



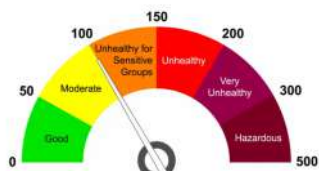
**DID YOU  
KNOW?**

Every year, more than 60% of the energy produced globally is lost as waste heat. That means most of the energy generated from fossil fuels never actually powers anything — it just dissipates into the air or water!

# AIR QUALITY WATCH

## The Air We Breathe!

(For the month of May)



- 4.5 million premature deaths each year due to air pollution from fossil fuels worldwide.
- US \$8 billion (3.3% of the world's total gross domestic product or GDP) lost each day from reduced life expectancy, premature birth, illnesses that result in hospital visits and missed work, and financial burdens resulting from illnesses.
- 40,000 deaths of children under five every year from PM2.5 exposure from fossil fuels worldwide.
- 1.8 billion days of work lost from illnesses related to PM2.5 resulting in economic losses of US\$ 101 billion each year.

CITIES	Best Air Quality	Worst Air Quality	Average Air Quality
ISLAMABAD	57 30-May	149 7-May	88
LAHORE	90 30-May	168 7-May	142
KARACHI	74 16,18-May	152 5-May	90
QUETTA	64 5-May	184 28-May	102
PESHAWAR	84 2-May	177 1-May	136



## CLIMATE CHANGE



### RAWALPINDI DECLARES WILDFIRE SEASON UNTIL MID-JULY

With the onset of the hot summer months, the Forest Department has initiated a "Fire Season" in the Rawalpindi division, specifically targeting the forests of Murree Galyat, Margalla Hills, and other surrounding areas. The Fire Season will remain in effect until July 15 and aims to prevent wildfires in these areas. Read more here

<https://tribune.com.pk/story/2546089/rawalpindi-declares-fire-season>

### INTRODUCTION OF CLIMATE-FOCUSED SUBSIDY TRACKING

#### CALL FOR BIRD-FRIENDLY CITIES...

Pakistan emphasizes the urgent need to safeguard migratory bird species and their habitats. Muhammad Saleem Shaikh, spokesperson for the Ministry of Climate Change, highlighted the importance of creating bird-friendly urban spaces, urging government bodies, civil society, and the public to take collective action. Read more here

<https://www.pakistantoday.com.pk/2025/05/12/climate-official-calls-for-bird-friendly-cities-to-protect-migratory-species-2/>

The World Meteorological Organization (WMO) said that most of South Asia is forecast to experience above-normal rainfall and above-average temperatures during this year's southwest monsoon season from June to September. Read more here

<https://www.dawn.com/news/1909298>

### WMO FORECAST ABOVE NORMAL RAINFALL AND HEAT FOR SOUTH ASIA THIS MONSOON

The World Meteorological Organization (WMO) said that most of South Asia is forecast to experience above-normal rainfall and above-average temperatures during this year's southwest monsoon season from June to September. Read more here

<https://www.dawn.com/news/1909298>



## Around The World

### GLOBAL WARMING HAS MADE NATURAL HABITATS UN-SURVIVABLE FOR 2% OF AMPHIBIANS

According to the study, which was published in the journal Nature, 2% of amphibians are already being pushed past their physiological limits. In the 4-degree Celsius scenario, 7.5% of amphibians would no longer be able to survive the overheating events in their natural habitats. Read more here

<https://www.ecowatch.com/global-warming-amphibians-habitat-survival.html>

### WORLD'S RICHEST 10% RESPONSIBLE FOR TWO-THIRDS OF GLOBAL HEATING

The carbon footprint of the world's wealthiest 10 percent has been responsible for two-thirds of global heating over the past 35 years; new research has found. The planet's rapid temperature rise has driven heat waves and drought in the poorest areas of the world. Read more here

<https://www.ecowatch.com/carbon-emissions-wealthy-responsibility.html>

### GLACIERS ARE VANISHING AT UNPRECEDENTED RATES

Glaciers around the world are melting faster than ever, losing more than 6,500 billion tonnes of ice since 2000. If fully melted, sea levels could rise by 32 cm. The loss rate over the past decade was nearly a third higher than the previous one, highlighting an alarming acceleration. Read more here

<https://www.weforum.org/videos/asia-2-trillion-extreme-weather/>





## THE TRUE LIFELINE OF PAKISTAN!

The United Nations has declared 2025 as the International Year of Glaciers' Preservation. The mountain glaciers and snowpacks of the Earth are experiencing a swift and extensive decline, which is reshaping water availability, modifying ecosystems, and affecting livelihoods at an increasing rate. Pakistan is the most glaciated nations outside the polar regions with over 7,253 glaciers. They provide more than 70% of Pakistan's freshwater to millions of individuals for their daily drinking needs, as well as to sustain surrounding ecological habitats, for irrigation, and even for electricity generation. The rapid melting caused by climate change emphasizes the urgent need for immediate measures to protect these extraordinary natural resources for future generations.

## SIMPLIFIED EXPLAINER



### WHAT IS CBAM ?

The EU's Carbon Border Adjustment Mechanism (CBAM) is a climate policy under the "Fit for 55" package, aimed at reducing emissions by 55% by 2030. It places a carbon price on certain imports to prevent "carbon leakage"—shifting production to countries with weaker climate rules. From October 2023 to 2025, importers must report emissions; starting 2026, they'll need to buy CBAM certificates. This levels the playing field between EU and non-EU producers and supports global emission cuts.

<https://normative.io/insight/eu-cbam-explained/>

## PRICE WATCH

### International Trends

<https://tradingeconomics.com/>

COMMODITY	31 MAY 2025	31 MAY 2024
Brent Crude Oil	63.784 (USD/Bbl)	81.110 (USD/Bbl)
Natural Gas	3.5583 (USD/MMBtu)	2.587 (USD/MMBtu)
Coal	105.50 (USD/T)	143.90 (USD/T)
Gasoline	2.0471 (USD/Gal)	2.4197 (USD/Gal)



## POWER SECTOR

### Government Scraps 7960 MW Costly Power Projects

The government announced the exclusion of about 7,960 MW of proposed power projects and the rescheduling of 7,000 MW of previously committed plants from the revised 10-year Integrated Generation Capacity Expansion Plan (IGCEP) 2024-34, projecting total savings of Rs. 4.743 trillion (\$17 billion) over their operational lifespan. Read more here

<https://www.dawn.com/news/1907882>

### World Bank Backs Pakistan's Power Sector Reforms With Additional \$55 Million

World Bank lauded the reform agenda and announced \$55 million in additional funding to support the government's efforts in transforming the power sector. Read more here

<https://profit.pakistantoday.com.pk/2025/05/23/world-bank-backs-pakistans-power-sector-reforms-with-55m/>

### PM Directs Power Division To Expedite Discos Privatization

Prime Minister Office pushes for fast-tracking the privatization and provincialization of DISCOs, with finalized proposals to be submitted to the Steering Committee. Read more here

<https://profit.pakistantoday.com.pk/2025/05/27/pmo-directs-power-division-to-expedite-discos-privatisation-and-provincialisation-process/>

### Energy Ministry Links Building Code To Power Efficiency Standards

Federal Minister for Energy, Sardar Awaiz Ahmed Khan Leghari, has written to all provincial Chief Ministers and federal officials, urging adoption of the Energy Conservation Building Code 2023 (ECBC-2023) as the national standard for new constructions. The minister stated that implementing the code is necessary to address increasing electricity consumption in the country. Read more here

<https://profit.pakistantoday.com.pk/2025/05/30/energy-ministry-links-building-code-to-power-efficiency-standards/>



### CALL FOR ACTION!

- 1- Integrate the provisions of the Energy Conservation Building Code 2023 into existing building regulations.
- 2- Encourage the inclusion of biophilic design elements such as green roofs, vertical gardens, and indoor vegetation into building regulations to improve urban sustainability, enhance air quality, and create healthier living environments.



## OIL & GAS

### Government To Digitally Track Fuel Supply To Curb Smuggling

The government has introduced a landmark bill in the National Assembly aimed at digitally tracking petroleum products from import and production to retail sales in a bid to curb smuggling and adulteration, which cause massive revenue losses estimated at Rs. 300-500 billion annually besides affecting environment and vehicle engines. Read more here

<https://www.dawn.com/news/1910845>

### Ogra Rolls Out E-licensing System For Oil & Gas Sector

The Oil and Gas Regulatory Authority (OGRA) has launched a new e-licensing system aimed at modernizing and streamlining the licensing process for Pakistan's oil and gas industry. This digital initiative marks a significant move towards improved regulatory efficiency and digital transformation in the energy sector. Read more here <https://www.nation.com.pk/28-May-2025/ogra-rolls-out-e-licensing-system-for-oil-gas-sector>

## Asian Spot Lng Prices Remain At 6-month Low As Trump Tariffs Pull Markets Down

<https://www.brecorder.com/news/40355997/global-lng-asian-spot-lng-prices-remain-at-6-month-low-as-trump-tariffs-pull-markets-down>

## Oil And Gas Reserves Discovered In Kohat

A major oil and gas reserve has been discovered in Kohat's Tal Block district in the Khyber-Pakhtunkhwa province, with the Razgir-1 formation revealing promising deposits that could significantly strengthen Pakistan's energy resources.

<https://tribune.com.pk/story/2485898/major-oil-and-gas-reserves-discovered-in-kohat>



## WATER WATCH May, 2025

WATER LEVEL	TARBELA	MANGLA
Level	1478.03	1161.05
Dead Level	1402.00	1050.00
Mean Inflow	177500 Cs	39620 Cs
Mean Outflow	152000 Cs	10750 Cs

IRSA RELEASE	MAY 2025	MAY 2024
Punjab	138100 Cs	140600 Cs
Sindh	140000 Cs	140000 Cs
Khyber Pakhtunkhwa	2200 Cs	2900 Cs
Baluchistan	13000 Cs	11000 Cs



## NEW ENERGY VEHICLES

### Globally More Than 1/4 Cars Sold In 2025 Expected To Be Ev

According to the Global EV Outlook 2025 report from the International Energy Agency (IEA), 2025 is set to be big for EV sales. The report predicts that about one in four cars sold worldwide this year will be electric, despite overall market uncertainties. In total, the agency has anticipated that more than 20 million EVs will be sold globally in 2025. Read more here <https://www.ecowatch.com/ev-sales-projections-2025-iea.html>



### Plan To Set Up Ev Charging Stations Every 50 Km Across Sindh

Sindh Senior Minister Sharjeel Inam Memon has announced that a charging station for electric vehicles (EVs) will be established every 50 kilometers across all districts of the province. Read more here <http://dawn.com/news/1912036/plan-to-set-up-ev-charging-stations-every-50km-across-sindh>

### NEPRA Sets Ev Charging Tariff At Rs. 23.57 Per Unit

The National Electric Power Regulatory Authority (NEPRA) has allowed electric vehicle charging stations (EVCS) to charge Rs. 23.57 per kilowatt-hour (kWh) plus a market-determined margin from electric vehicle (EV) owners. Read more here <https://profit.pakistantoday.com.pk/2025/05/25/nepra-sets-ev-charging-tariff-at-rs23-57-per-unit-plus-market-margin/> <http://dawn.com/news/1912036/plan-to-set-up-ev-charging-stations-every-50km-across-sindh>

### Pakistani Automakers Follow Just 18 Of 200 Global Safety Standards

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### International Days – June 2025

1. 5th June – World Environment Day
2. 15th June – Global Wind Day
3. 22nd June – World Rainforest Day

## THE 6TH COHORT SESSION OF GREEN ZAMEEN FELLOWSHIP PROGRAM

The sixth cohort session of Green Zameen Fellowship Program held in Islamabad on 14th of May, bringing together parliamentarians, energy experts, civil society representatives, media, and academia to discuss Pakistan's just energy transition. Key discussions focused on the Competitive Trading Bilateral Contracts Market (CTBCM), presented by Ammar Qaseem, highlighting its potential to shift the power sector from a single-buyer model to a competitive market with direct contracts between generators and large consumers. Dr. Syed Ali Abbas Kazmi presented the IGCEP 2024–34, emphasizing that transitioning 7,967 MW to renewables could save Pakistan USD 17 billion over the next decade. The session underscored the need for integrated planning, energy-efficient buildings, and greater stakeholder awareness, especially in light of the EU's upcoming Carbon Border Adjustment Mechanism (CBAM). The interactive format, featuring clear expert presentations and multi-stakeholder dialogue, was particularly praised by participants.



### DISCLAIMER

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