



JUST ENERGY TRANSITION FROM FOSSIL FUELS TO RENEWABLES

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RENEWABLE ENERGY



ECNEC Approves 100MW Solar Power Project for Gilgit-Baltistan

The 100-megawatt solar photovoltaic power project for the region, with an estimated cost of Rs 24,957 million, is expected to be completed within three years and it is believed it will significantly reduce the power shortage in Gilgit-Baltistan and enhance public services across the region.

Read more here: <https://profit.pakistantoday.com.pk/2025/08/09/ecnec-approves-100mw-solar-power-project-for-gilgit-baltistan/>



Sindh Earmarks Land for First B2b Green Power Project

The Sindh government has allotted 300 acres of land in Jhimpir for establishing a 100-megawatt hybrid wind and solar project, the first business-to-business (B2B) electricity venture under the province's own regulator.

Read more here: <https://www.dawn.com/news/1931343/sindh-earmarks-land-for-first-b2b-green-power-project>

Ishaq Dar For Making Energy Available at Affordable Prices

Dar underscored the need to enhance exploration and increase productivity, while ensuring that energy is made available to the people at affordable prices. He emphasized that Pakistan has been blessed with energy and mineral resources, and highlighted the importance of developing the sector to maximize its productivity and contribution to Pakistan's economic growth.

Read more here: <https://www.brecorder.com/news/40379300/dar-for-making-energy-available-at-affordable-prices>

Gwadar Port to be Shifted to Solar Power

Maritime Affairs Minister Muhammad Junaid Anwar Chaudhry announced that the government is moving to shift the Gwadar port to solar energy in a

bid to improve its efficiency and overcome chronic power shortages.

Read more here: <https://tribune.com.pk/story/2563636/gwadar-port-to-be-shifted-to-solar-power>

Pakistan Unveils \$55bn Power Plan to Go Green, Cut Fuel Imports

Pakistan has launched an ambitious \$55 billion plan to transform its power sector over the next decade. The strategy aims to meet rising demand through hydropower, nuclear, and renewables, while phasing out the country's dirtiest fuels.

Read more here: <https://www.thenews.com.pk/latest/1339845-pakistan-unveils-55bn-power-plan-to-go-green-cut-fuel-imports>

Sahiwal Power Plant Faces Shutdown Prospect

The country's 1,320 MW Sahiwal imported coal-fired power plant is reportedly facing a potential shutdown like situation due to coal inventory falling far below actual requirements, mainly because of the unavailability of sufficient railway wagons.

Read more here: <https://www.brecorder.com/news/40380644/sahiwal-power-plant-faces-shutdown-prospect>

Around The World

Record Solar Growth Keeps China's Co2 Falling In First Half of 2025

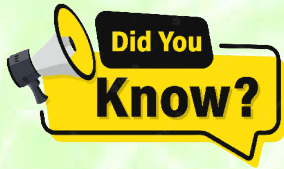
Clean-energy growth helped China's carbon dioxide (CO2) emissions fall by 1% year-on-year in the first half of 2025, extending a declining trend that started in March 2024. The CO2 output of the nation's power sector – its dominant source of emissions – fell by 3% in the first half of the year, as growth in solar power alone matched the rise in electricity demand.

Read more here: <https://www.carbonbrief.org/analysis-record-solar-growth-keeps-chinas-co2-falling-in-first-half-of-2025/>

Plug-in Balcony Solar Panels Could Mean Cheaper Power

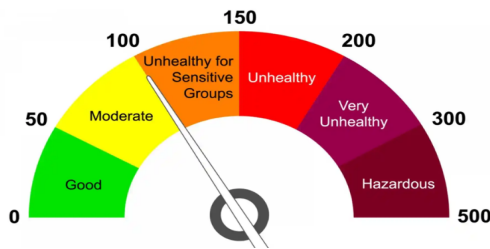
Plug-in balcony solar panels are a do-it-yourself clean energy solution that not only help power appliances and devices in homes but lower electricity costs at a time when the cost of power — along with everything else — is rising. While these plug-and-play units aren't readily available in Canada, and could face bureaucratic hurdles in getting approved, solar energy proponents say there's likely to be consumer interest and calls for Canada to get on board.

Read more here: <https://www.cbc.ca/news/climate/plug-in-balcony-solar-panels-1.7618883>



- Over 60% of Pakistan's electricity is still generated from fossil fuels like oil, coal and gas. This dependency not only drives climate change but also makes electricity more expensive when global fuel prices rise.

AIR QUALITY WATCH The Air We Breathe! (For the month of August)



CITIES	Best Air Quality	Worst Air Quality	Average Air Quality
ISLAMABAD	45 24-Aug	125 12-Aug	77
LAHORE	53 25-Aug	144 16-Aug	105
KARACHI	54 3-Aug	92 21-Aug	68
QUETTA	61 5-Aug	126 31-Aug	85
PESHAWAR	63 26-Aug	153 19-Aug	96



CLIMATE CHANGE



Changing Climate Causes Hesitation among Adventurous Alpinists

For mountaineers, the mighty peaks in Gilgit-Baltistan's Karakoram range became unusually precarious this year due to changing weather patterns, which have brought with them an increase in avalanches, rockfalls and other life-threatening hazards. The mountains are comparatively dry, having lost much snow cover, and hence prone to avalanches — sometimes several times a day.

Read more here: <https://www.dawn.com/news/1928567/shifting-climate-gives-pause-to-daredevil-alpinists>

Over 20 Water Brands Found Unsafe for Drinking

The Pakistan Council for Research in Water Resources (PCRWR) has declared 23 bottled water brands unsafe for human consumption due to microbiological and chemical contamination. Under government instructions, PCRWR monitors bottled and mineral water brands quarterly to ensure public safety. For the second quarter of 2025 (April-June), the agency collected 203 samples from 21 major cities and tested them against Pakistan Standards and Quality Control Authority (PSQCA) benchmarks.

Read more here: <https://propakistani.pk/2025/08/02/over-20-water-brands-found-unsafe-for-drinking/>

Punjab Govt Vows to Double Forest Area In 5 Years

The Punjab government has vowed to double the forest area in Punjab over the next five years through a well-defined strategy. Fundamental reforms will be introduced in the Forest Act of 1927 to align it with present-day environmental requirements, transforming the Forest Department from a regulatory body into a leader in environmental solutions and smart land use.

Read more here: <https://www.brecorder.com/news/40377130/punjab-govt-vows-to-double-forest-area-in-5-years>

Punjab Approves Pkr 50 bn Babu Sabu Wastewater Treatment Plant

The Punjab government has given the green light to the long-awaited PKR 50 billion Babu Sabu Wastewater Treatment Plant (WWTP), a landmark project designed to stop untreated sewage from flowing into the River Ravi.

Read more here: <https://www.graana.com/blog/punjab-approves-pkr-50bn-babu-sabu-wastewater-treatment-plant/>

Punjab Floods Washed away Thousands of Villages and Farms

Punjab floods submerge 2,000 villages, two million affected. Hundreds of

muddy tent camps now home to flood refugees. Livelihoods washed away in the worst floods since 1988. Destroyed crops threaten food security and fuel inflation

Read more here: <https://www.reuters.com/sustainability/climate-energy/punjab-floods-washed-away-thousands-villages-farms-now-devastation-threatens-2025-09-01/>



Green Initiatives Set to Draw Investment

Pakistan is poised to become a key destination for investment in green initiatives as the government has decided to launch the Pakistan Green Taxonomy backed by the World Bank to attract capital inflows into climate resilience and sustainable growth.

Read more here: <https://tribune.com.pk/story/2562330/green-initiatives-set-to-draw-investment>

Around The World

U.S. Urges Nations to Reject Plastic Caps in UN Treaty Talks

The United States has circulated a memo to several nations stating it will not support any treaty that includes upstream measures such as caps on virgin plastic production or bans on plastic additives, placing it in direct opposition to over 100 countries calling for ambitious reforms.

Read more here: <https://www.cognitud.com/news/u.s.-urges-nations-to-reject-plastic-caps-in-un-treaty-talks,-undermining-ambitious-pact>

EU Ready to do Plastic Pollution Deal, 'But not at any Cost'

The European Union is ready to do a deal to land a groundbreaking treaty on plastic pollution, but not at any cost, the EU's environment commissioner insisted. The EU and others want to go much further by reining in plastic production — which on current trends is set to triple by 2060 — and by phasing out certain especially toxic chemicals.

Read more here: <https://www.dawn.com/news/1930591/eu-ready-to-do-plastic-pollution-deal-but-not-at-any-cost>

Wildfires Fanned by Heatwave and Strong Winds Rage Across Europe

Wildfires caused by arsonists or thunderstorms and fanned by a heatwave and strong winds wreaked destruction across southern Europe, burning homes and forcing thousands of residents and tourists to flee. **Read more here:** <https://www.reuters.com/sustainability/climate-energy/wildfires-fanned-by->

SIMPLIFIED EXPLAINER

Energy & Floods Connection

Burning coal, oil and gas releases carbon dioxide, which traps heat in the atmosphere. This warming intensifies rainfall patterns and glacier melt, making Pakistan's monsoon seasons more destructive. Investing in clean energy reduces emissions and helps lower the risks of climate-driven floods.



POWER SECTOR



NEPRA Sounds Alarm on Power Sector's Operational Performance

The National Electric Power Regulatory Authority (NEPRA) has expressed grave concerns over three critical issues that are affecting the operational performance of all power distribution companies (DISCO's). Given their significance, the regulator has decided to initiate a comprehensive review process, supported by a structured consultation involving all relevant stakeholders.

Read more here: <https://www.dawn.com/news/1928370/nepa-sounds-alarm-on-power-sector-flaws>

System Losses of Rs. 397 bn Continue to Plague Power Sector

Although the power sector circular debt has been reduced to Rs1,614 billion from Rs2,393 billion, system losses continue to haunt the sector, remaining high at Rs397 billion, as revealed in the circular debt report uploaded on the Power Division's official website. This means that electricity theft and recovery losses are placing a burden of Rs3.9 per unit on the electricity tariff.

Read more here: <https://www.thenews.com.pk/latest/1337667-system-losses-of-rs397bn-continue-to-plague-power-sector>

Power Regulator Imposes Rs. 95 Million Fines on Two Electricity Distribution Companies

NEPRA levied a Rs50 million fine on SEPCO and Rs25 million on Hesco for exceeding loss targets, poor recovery performance, and safety violations during FY24. SEPCO was also fined an additional Rs20 million for not ensuring proper grounding of electricity poles and failing to comply with safety protocols.

Read more here: <https://profit.pakistantoday.com.pk/2025/08/12/power-regulator-imposes-rs95-million-fine-on-two-electricity-distribution-companies/>



OIL & GAS



Pakistan Secures 'landmark' Tariff Deal as US Attitude Shifts

After signing an agreement with the United States to develop "massive oil deposits" in Pakistani territory, Pakistani officials said the two nations had concluded a trade deal, establishing a uniform tariff rate for bilateral trade.

Read more here: <https://www.dawn.com/news/1927959/pakistan-secures-landmark-tariff-deal-as-us-attitude-shifts>

Cnergyico Seals Import Deal: Pakistan to Get First US Oil Shipment

Pakistan's largest refiner Cnergyico will import 1 million barrels of oil from Vitol in October, marking the country's first-ever purchase of US crude following a landmark trade deal.

Read more here: <https://www.brecorder.com/news/40375706/cnergyico-seals-import-deal-pakistan-to-get-first-us-oil-shipment>

PRICE WATCH

International Trends

<https://tradingeconomics.com/>

COMMODITY	31 JULY 2025	31 JULY 2024
Brent Crude Oil	67.480 (USD/Bbl)	76.930 (USD/Bbl)
Natural Gas	2.997 (USD/MMBtu)	2.127 (USD/MMBtu)
Coal	109.60 (USD/T)	143.75 (USD/T)
Gasoline	1.9671 (USD/Gal)	2.0976 (USD/Gal)

DISCOS Seek to Refund Rs. 23 bn for July

With a five per cent decrease in power consumption in July over last year, the public sector distribution companies (DISCO's) have sought a Rs1.69 per unit refund for consumers due to lower fuel costs, driven by better hydrological conditions.

Read more here: <https://www.dawn.com/news/1933426/discos-seek-to-refund-rs23bn-for-july>

Sindh Launches new Authority to Supply Cheaper Electricity

In a move aimed at easing the burden of soaring electricity tariffs on both residents and industries, Sindh Energy Minister Syed Nasir Hussain Shah unveiled a new power supply framework under the Sindh Electric Power Regulatory Authority (SEPRA).

Read more here: <https://dunyanews.tv/en/Business/900253-sindh-launches-new-authority-to-supply-cheaper-electricity>

AGP Audit Report Reveals Rs. 4,800 Billion Irregularities In Power Sector

The Auditor General of Pakistan (AGP) has uncovered significant financial and operational irregularities in the power sector, with a total of Rs4,800 billion in mismanagement for the fiscal year 2023-24.

Read more here:

<https://profit.pakistantoday.com.pk/2025/08/21/agp-audit-report-reveals-rs4800-billion-irregularities-in-power-sector/>

Net Metering IPPs to add Rs. 4 Per Unit Burden: Awais Leghari

Net metering IPPs would be established, but cautioned that the system would place an additional burden of Rs4 per unit on consumers. Around 18 million consumers were already receiving electricity at a 70% discount, noting that many households had installed solar panels and brought their consumption below 200 units, which had helped reduce their bills.

Read more here: <https://www.thenews.com.pk/latest/1339911-net-metering-ipp-s-to-add-rs4unit-burden-warns-leghari>

submitted a summary to the federal cabinet seeking approval, with a first-year target of 120,000 connections.

Read more here: <https://profit.pakistantoday.com.pk/2025/08/18/government-plans-new-gas-connections-at-lng-rates/>

PM Shehbaz Orders Probe Into Rs. 50 bn Gas Bill Shock

Prime Minister Shehbaz Sharif has ordered an independent probe into the controversial Rs50 billion gas billing dispute involving influential consumer groups and the gas utility sector.

Read more here: <https://www.dawn.com/news/1931979/pm-shehbaz-orders-probe-into-rs50bn-gas-bill-shock>

WATER WATCH August, 2025

WATER LEVEL	TARBELA	MANGLA
Level	1550.00	1224.85
Dead Level	1402.00	1050.00
Mean Inflow	185200 Cs	48855 Cs
Mean Outflow	184800 Cs	8000 Cs

Plan Drafted to Cut Gas Sector’s Rs. 2,600 bn Circular Debt

According to officials, the government is working on a strategy that involves three key measures. First, a petroleum levy of Rs5 per liter will be imposed on fuel products, which is expected to generate Rs500 billion over five years. Second, Rs500 billion will be raised through dividends from state-owned oil and gas companies. Third, another Rs500 billion will be saved by diverting two LNG cargoes per month—originally contracted from Qatar—to the international market for sale throughout the year.

Read more here: <https://www.thenews.com.pk/latest/1336945-plan-drafted-to-cut-gas-sector-s-rs2-600bn-circular-debt>

IRSA RELEASE	31-08-2025	31-08-2024
Punjab	126700 Cs	114300 Cs
Sindh	180000 Cs	180000 Cs
Khyber Pakhtunkhwa	2700 Cs	2200 Cs
Baluchistan	14000 Cs	12000 Cs



NEW ENERGY VEHICLES



Pakistan’s First Vehicle Safety Law Passed

The federal cabinet has approved Pakistan's first comprehensive law to enforce vehicle safety standards. The new Motor Vehicles Industry Development Act sets minimum safety, performance, and environmental rules for all vehicles made or imported into Pakistan.

Read more here: <https://dailytimes.com.pk/1345897/pakistans-first-vehicle-safety-law-passed/>

Industry Faces Threat from Influx of used Vehicles

Local auto parts manufacturers have warned of a potential shutdown of Pakistan's car assembly industry within the next two years if the government proceeds with plans to liberalize the commercial import of used vehicles.

Read more here: <https://www.dawn.com/news/1928184/industry-faces-threat-from-influx-of-used-vehicles>

FBR Imposes Green Levy to Promote Electric Vehicle Adoption

Under the new regime, ICE vehicles with engine capacities below 1300cc will incur a 1% levy—applied to the invoice price (inclusive of duties and taxes) for locally assembled vehicles, and to the customs-assessed value for imports. Vehicles between 1300 cc and 1800cc will be subject to a 2%

levy, while those above 1800 cc will face a 3% levy, regardless of origin.

Read more here: <https://www.energyupdate.com.pk/2025/07/21/fbr-imposes-green-levy-to-promote-electric-vehicle-adoption/>

Auto Sales See Annual Growth Amidst Monthly Decline

After a 43pc surge during FY25, the new fiscal year FY26 began on a positive note, with sales of cars, light commercial vehicles (LCVs), pickups, and jeeps rising 28pc year-on-year in July to 11,034 units. However, sales were down 49pc month-on-month, largely due to the high base effect of June.

Read more here: <https://www.dawn.com/news/1930565/auto-sales-see-annual-growth-amidst-monthly-decline>

PM Launches New Energy Vehicle Policy 2025-2030

Prime Minister Shehbaz Sharif formally launched Pakistan's New Energy Vehicle Policy for 2025-2030, aimed at promoting environmentally friendly and cost-effective transportation in the country. The policy's focus on reducing carbon emissions, saving billions of rupees in foreign exchange, fostering innovation, and empowering the youth to lead Pakistan into a greener future.

Read more here: <https://tribune.com.pk/story/2563355/pm-launches-new-energy-vehicle-policy-for-climate-resilience>

GREEN ZAMEEN FELLOWSHIP

The Centre for Peace and Development Initiatives (CPDI) organized the 9th and 10th sessions of the Green Zameen Fellowship Program in Peshawar and Karachi, advancing the dialogue on Pakistan's energy transition and climate resilience. These sessions explored critical themes including renewable energy financing, energy justice, sustainable housing and climate-smart policies, with active participation from academia, civil society, media and a strong representation of Members of Provincial Assemblies (MPAs). Experts underscored the importance of institutional leadership, innovative financing solutions and strict enforcement of existing policies and building codes to accelerate a just and sustainable energy transition. Fellows actively engaged in the discussions and noted that they gained valuable insights and practical knowledge to strengthen their contributions toward shaping Pakistan's green future.



DISCLAIMER

This bulletin is a collection of publicly available research, news, reports, and updates related to Just Energy Transition, Renewable Energy, and Climate Action by the Center for Peace and Development Initiatives as part of its ongoing commitment to a Just Energy Transition from Fossil Fuels to Renewables. It is intended exclusively for informational and educational purposes and does not necessarily reflect the position and opinions of CPDI.

Centre for Peace and Development Initiatives (CPDI) is an independent, non-partisan and a not-for-profit civil society organization working on peace and development issues in Pakistan since 2003.
<https://cpdi-pakistan.org/>

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