



"Enabling Renewable Hydrogen in Türkiye" Report Published February 2026

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SHURA has published three comprehensive studies on renewable hydrogen to date. The study titled "Priority Areas for Türkiye's National Hydrogen Strategy", published in February 2021, set out the strategic priorities required to unlock Türkiye's renewable hydrogen potential. The report "A Technical and Economic Assessment of Türkiye's Green Hydrogen Production and Export Potential", published in December 2021, examined the domestic use and export potential of renewable hydrogen with a 2050 perspective.

The study "Renewable Hydrogen in Türkiye's Decarbonisation Pathway: Priority Application Areas and Policy Recommendations", published in February 2025, assesses renewable hydrogen's end-use applications and economic feasibility across key sectors, drawing on sectoral prioritisation and cost-benefit analysis.

Building on this body of work, the new study serves as a complementary piece to SHURA's first three renewable hydrogen reports. It explores the opportunities and challenges Türkiye faces—both nationally and internationally—in developing a renewable hydrogen ecosystem under a set of thematic pillars, and aims to provide an analytical framework for policymakers and the academic community.

New Issues of "SHURA AGENDA" Published

Two new issues of SHURA AGENDA, covering the most up-to-date topics in energy transition, have been published.

01 26 SHURA GÜNDEM

01 Ocak 23

Entegre Enerji Yönetimi Finansmanı



Yeni yıl, her yıl olduğu gibi bu yıl da kamu ve medikal kuruluşların düzenlediği "Enerji Verimliliği Haftası" etkinlikleri ile başladı. Enerji verimliliği artık tek başına ele alınan bir konu olmaktan çıkıp ve günümüz dünya farkındalığına göre bir arada değerlendiriliyor. Aydınlatma, yalıtım, motor değişimi gibi tekt tek yapılan projelerin yerine her bir tüketici binasının ayrı ayrı enerji tüketimi ile ilgili ve karbona salımları, verimlilik ve dengesizliği düşürme çabası enerji yönetimi yaklaşımına odaklanıyor. Enerjiye enerji yönetimi olarak bakıldığında bu yaklaşımın yaygınlaşması için finansman yapısının da buna uygun sağlanması önem taşıyor.

SHURA'nın 2022 yılında yayınladığı "Enerjiye Enerji Yönetimi Finansmanı" çalışması "Sanayi Kalkınma Odaklı Finansman Çözüm Önerileri" başlıklı politika notu.

Bu konuları tanımlayan ve değerlendirilen politika önerileri bulunmaktadır.

Entegre enerji yönetimi finansmanı nedir?

Entegre enerji yönetimi (EEY) finansmanı, enerji tüketimi ile ilgili projelerin değişik bileşenlerle kapsayarak, enerji verimliliğini düşürmeye ve karbona salımlarına yönelik farklı yöntemleri bir arada finansman etmediği finansman yaklaşımıdır. Sanayi, Hizmetler, İmarat, kamu kuruluşları ve yerel yönetimlerle de hane halkları, enerji yönetiminin odağında yer alıyor. Bu yaklaşım, her bir tüketici grubu ve tüketim birimi üzerinde enerjiyi en verimli ve etkin kullanmaya yönelik ihtiyaçlar ve öncelikler belirlenerek potansiyelleri bilimsel ölçütlerle finansman edilmesine amaçlanır.

In the [13th issue](#), published in January, the financing framework needed to scale up an integrated energy management approach –one that addresses energy efficiency and decarbonisation together–is assessed. The issue highlights that, for this holistic approach–going beyond standalone efficiency measures and based on unit-level energy assessments–to become widespread, financing structures must also adapt to this transition.

In the [14th issue](#), published in March, uncertainties in oil and natural gas markets–shaped by geopolitical tensions and energy security concerns–are examined, alongside supply risks and the key vulnerability areas in Türkiye's energy supply security. While assessing the impacts of price volatility on macroeconomic balances, the issue underscores the strategic role of the energy transition in strengthening supply security and economic resilience.

03 26 SHURA GÜNDEM

03 Mart 23

Jeopolitik Gelişmeler ve Enerji Güvenliği



Bölgede artan jeopolitik gerilimler, enerji güvenliği konusunu yeniden küresel gündemin üst sıralarına taşıdı. Petrol ve doğal gaz piyasalarının jeopolitik gelişmelere duyarlı yapısı, enerji ihalatına bağlı ülkelerde fiyat oynaklığı ve arz kesintisi risklerini artırıyor. Türkiye, enerji ihtiyacına yönelik dışa bağımlı bir ekonomi olarak bu gelişmelerden doğrudan veya dolaylı biçimde etkilenme potansiyeline sahip.

SHURA GÜNDEM'in bu sayısında, bölgedeki savaşın Türkiye'nin enerji güvenliği üzerindeki olası etkilerin petrol ve doğal gaz piyasaları ile elektrik sistemi açısından değerlendirildi.

Jeopolitik gelişmelerin Türkiye'nin enerji sistemi üzerindeki etkileri

Türkiye'nin bölgedeki savaş nedeniyle kısa dönemde petrol ve doğal gaz tedarikinde ciddi bir kesinti yaşamaması bekleniyor. Bununla birlikte, orta ve uzun vadede riskler ve belirsizlikler devam ediyor.

Türkiye'nin petrol ve doğal gaz piyasalarında başlıca risk alanları

- Petrol piyasası
- Küresel petrol fiyatları üzerindeki baskının artması
 - Irak ve Suudi Arabistan'daki petrol tesislerine saldırı ve ihracat kesintisi uğraması riski
 - Rusya'ya yönelik yaptırımların ağırlaşması

SHURA EVENTS

“Enabling Renewable Hydrogen in Türkiye” Report Launch / February 2026

The poster features a large background image of a hydrogen storage tank with 'H₂' written on it. The text is arranged in a structured layout. At the top left, the title is in a blue banner. Below it, the date and time are listed. The program includes an opening speech, a panel discussion, and a report presentation. Each activity is accompanied by a small circular portrait of the speaker or moderator.

“Türkiye’de Yenilenebilir Hidrojenin Etkinleştirilmesi” Rapor Tanıtımı

17 Şubat 2026, Salı 10.00 - 12.00 Çevrim içi

Açılış Konuşması | 10.00 - 10.10
Alkım Bağ
SHURA Direktörü

Rapor Sunumu | 10.10 - 10.30
Rafet Yağız Çalışkan
SHURA Enerji Analisti

Oturum | 10.30 - 12.00
“Türkiye’nin Hidrojen Yolculuğu: Fırsatlar, Zorluklar ve Yol Haritası”

Hasan Aksoy | Moderatör
SHURA Araştırma Koordinatörü

Prof. Dr. Adnan Midilli
İstanbul Teknik Üniversitesi
Enerji Enstitüsü Direktörü

Tuğba Onur Dalgöğüşoğlu
TEKSİS İleri Teknolojiler Proje Yönetim
Birimi Lideri & HyVise Kurucusu

Fatih Kuşçu
HZDER Genel Sekreteri

The online launch and panel session for SHURA’s report “Enabling Renewable Hydrogen in Türkiye” was held on 17 February 2026. During the event, the report’s key findings and 17 policy recommendations were presented, and discussions covered the main opportunities and challenges in building Türkiye’s renewable hydrogen ecosystem, market formation and financing, the regulatory framework, infrastructure and storage priorities, and hydrogen’s priority applications in industry and transport. The study provides a complementary framework to SHURA’s first three hydrogen-focused reports.

SHURA Director Alkım Bağ delivered the opening remarks, and SHURA Energy Analyst Rafet Yağız Çalışkan presented an overview of the report.

Moderated by SHURA Research Coordinator Hasan Aksoy, the panel session titled “Türkiye’s Hydrogen Journey: Opportunities, Challenges and a Roadmap” featured Prof. Dr. Adnan Midilli (Director, Istanbul Technical University Energy Institute), Tuğba Dalgöğüşoğlu (Project Management Unit Leader, TEKSİS Advanced Technologies & Founder, HyVise), and Fatih Kuşçu (Secretary General, H2DER).

SHURA at Events & Programs



14 January SHURA Research Coordinator Hasan Aksoy delivered a presentation titled "Net Zero 2053: Renewable Energy and Storage" in the "Renewable Energy & Energy Storage" session, held as part of the EEMKON 2026 Electrical and Electronics Engineering Congress.



15 January SHURA Senior Energy Analyst Dr. Sena Serhadlıoğlu delivered a presentation titled "The Transformation of Türkiye's Electricity Grid" in the session "Smart Electricity Grids: Transformation in Generation, Transmission and Distribution", held as part of the EEMKON 2026 Electrical and Electronics Engineering Congress.



19 February SHURA Research Coordinator Hasan Aksoy and SHURA Energy Analyst Rafet Yağız Çalışkan discussed the role of renewable hydrogen in Türkiye, priority application areas, and key policy steps in a live Medyascope broadcast, within the scope of the report "Enabling Renewable Hydrogen in Türkiye."



25 February SHURA Energy Analyst Rafet Yağız Çalışkan joined Serhat Ayan's "Yeni Şeyler Rehberi" programme on Radyo Sputnik as a guest and shared key findings and highlights from the report "Enabling Renewable Hydrogen in Türkiye."



31 March SHURA Research Coordinator Hasan Aksoy participated as a panellist in the webinar titled "From Compliance to Competitiveness: Strategic Steps for Türkiye."

UPCOMING SHURA PUBLICATIONS

• **Türkiye Energy Transition Outlook 2025**

Türkiye's energy transition progress is assessed under the headings of renewable energy, energy efficiency, and electrification, analysing trends from past years to the present with a focus on 2025.

• **The Impact of Locational Marginal Pricing on Power System for Accelerating Renewable Energy Integration**

A mid and long-term roadmap for Türkiye concerning the need for moving towards the locational electricity pricing concept.

• **Combating Energy Poverty Through Clean Energy and Efficiency**

A study aiming to contribute to the fight against energy poverty in Türkiye by conducting a comparative analysis of recommendation packages focused on energy accessibility and carbon reduction, and by developing these packages with input from stakeholders.

• **Unlocking Renewable Energy Integration through Power Market Reform: Insights from an International Think Tank Collaboration**

This joint project aims to evaluate and strengthen power market structures in Türkiye, South Korea, Thailand, and Pakistan in order to unlock the full potential of renewable energy integration by identifying and promoting tailored market design, while fostering regional learning and collaboration.



SHURA IN THE MEDIA

09.01.2026

[Facilitating regulatory recommendations from SHURA to incentivise energy investments](#)

10.01.2026

[SHURA: Integrated energy management financing bundles efficiency and decarbonisation](#)

15.01.2026

[SHURA: Energy transition investments must increase to 2.5 times the average](#)

15.01.2026

["THE ENERGY TRANSITION MUST BE ASSESSED FROM MULTIPLE DIMENSIONS"](#)

16.01.2026

[SHURA: For the 2053 target, electrification should be considered together with energy efficiency and grid flexibility.](#)

16.01.2026

[SHURA highlights the need for 8 GW of annual wind and solar capacity by 2035](#)

16.01.2026

[Structural transformation in industry could expand the economy by 200%](#)

16.01.2026

[The "test year" is over in energy—now it's time for implementation](#)

16.01.2026

["2026 should be a year of implementation, not just targets"](#)

16.01.2026

[Türkiye's real test in the energy transition is on the ground](#)

16.01.2026

[A new threshold in energy markets: the "electricity era" has begun](#)

17.01.2026

[A major on-the-ground test in the energy transition](#)

17.01.2026

[Low-cost energy sources should be prioritised](#)

18.01.2026

["Energy efficiency is the cheapest and fastest solution"](#)

01.02.2026

[COP31: A major opportunity for the energy transition](#)

02.02.2026

[The fossil fuel lobby has declared war on green energy.](#)

17.02.2026

[Türkiye's renewable hydrogen potential points to the need for a concrete action plan](#)

18.02.2026

[A new export era with green hydrogen](#)

19.02.2026

[SHURA: "A strategic and actionable plan is essential for renewable hydrogen"](#)

22.02.2026

["Green hydrogen" potential is high](#)

14.03.2026

[Türkiye's 120 GW renewables target aligns with global energy trends](#)

14.03.2026

[Türkiye's 2035 solar and wind target: 120 GW](#)

15.03.2026

[Türkiye's 2035 solar and wind target: 120 GW](#)

16.03.2026

[Türkiye's 120 GW solar and wind target is tied to energy security.](#)

18.03.2026

[According to SHURA, imported energy sources should be reduced and renewable investments increased to strengthen energy security.](#)

18.03.2026

[What should be done to strengthen Türkiye's energy security?](#)

18.03.2026

[According to SHURA, imported energy sources should be reduced and renewable investments increased to strengthen energy security.](#)

19.03.2026

[According to SHURA, imported energy sources should be reduced and renewable investments increased to strengthen energy security.](#)

19.03.2026

[Energy security warning: dependence on imported sources should be reduced](#)

Please find all the information on current activities and publications of SHURA Energy Transition Center on shura.org.tr. By registering on the website, you can subscribe to SHURA's e-newsletter.

Additionally, you can follow SHURA on social media platforms.



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