

## **A Post 2020 APEC Energy Vision to 2050**

APEC is economically dynamic and trends of industrialisation, urbanisation and transport demand continue to increase. We require access to secure, reliable and affordable energy supplies and cleaner technologies to meet future energy needs. We need a skilled workforce and in the future we will become dependent on energy imports. Fossil fuels will still comprise a large share of total future energy demand. Climate change commitments will also shape our energy security goals.

We aim to improve energy access across the region. We will promote energy modernisation via cleaner energy resources and technologies, such as hydrogen, CCS, and for interested economies safe and environmentally sound nuclear energy. We will cooperate with international energy fora and promote free and open energy trade and investment policies. Our 2050 goals will be progressed by our Expert Groups and research centres. High level energy issues we will address include the following.

**Expert Group on Energy Data and Analysis:** Additional and more accurate information/data will be needed for robust analysis of energy security, energy efficiency, energy sustainability and energy resilience. With the political and logistical support of APEC senior officials, EGEDA aims to meet these data needs by fully utilizing internet technology.

### **Expert Group on Clean Fossil Energy**

We will promote development and adoption of high efficiency, low emissions (HELE) coal-fired power generation and carbon capture, utilization, and storage (CCUS) technologies; fuel economy standards; for vehicles; and economy-specific Gas Master Plans; strengthening public-private partnership in policy development along with investment in these areas.

**Expert Group on Energy Efficiency and Conservation:** We will reduce regional energy intensity by 45 per cent by 2035 and can exceed this target by 2050. We will promote an energy efficient region through development of advanced policies and standards, trade in Best Available Technologies, and mobilize investment in energy efficient products/services, including in the integration of energy efficiency and renewable energy technologies.

**Expert Group on New and Renewable Energy:** We will promote new and renewable energy technologies throughout the region and highlight their cost effectiveness in providing secure and reliable energy supplies to our people. We will also facilitate increased trade and investment in renewable energy technologies to contribute to the energy access, transition and economic growth goals. We will also develop policy and regulatory approaches to encourage the deployment of renewables across the region.

**Asia Pacific Energy Research Centre:** As APERC works closely with all Expert Groups and Taskforces under EWG, APERC shares the challenges that they are facing. Noteworthy for APERC among these challenges are the following: research on energy policies that drive toward the APEC energy intensity and renewable share doubling goals, research on energy security issues on the supply side, and access to high quality energy statistics. APERC will continue to provide high level research

**APEC Sustainable Energy Centre:** We will strive to develop local communities that are energy sustainable and economically vibrant, and where energy production and consumption is environmentally sustainable and efficient. Our research and project work will incorporate results oriented monitoring of local communities and their energy sustainability. We recognise that the long

term energy security of our local communities, towns and cities will provide for a resilient energy security framework in the region more broadly.