

Researchers Eye

Follow-PREE in Chile

Improving energy efficiency is a critical strategy to bring multiple benefits such as enhancing the sustainability of the energy system, lowering fuel and electricity costs, increasing grid reliability, improving air quality and public health and more job opportunities. The APEC Energy Working Group (EWG) also highlights energy efficiency as the key field and endorsed the Peer Review on Energy Efficiency (PREE) model as a core mission of the EWG's work to support the APEC economies to achieve energy intensity goal by 2035 since its inception in 2007.

To respond to the recommendations from PREE in 2009, Chile has undertaken significant efforts to improve energy efficiency and conservation across various aspects of its economy. These efforts include, among others, establishing the “*Energy Sustainability Agency*” with a permanent board of directors and passing the “*Energy Efficiency Law*” in 2021. Under this law, Chile created a “*National Energy Efficiency Plan*” that is updated every five years. Additionally, in the Energy Efficiency Law, Chile has mandated energy management systems for large consumers, introduced energy labelling for buildings, and set efficiency standards for vehicles. As a result, Chile's performance in transitioning its energy infrastructure and consumption is notable in a global context. Chile ranks 20th on the World Economic Forum's Energy Transition Index, outperforming 15 of the 31 'advanced economies.

During the visit, the Review Team have provided analysis and recommendations for the following topics in an energy efficiency context:

- 1) Energy Efficiency Policies Development and Deployment
- 2) Overview, Institutional and Legal Energy Efficiency Framework
- 3) Data Collection and Monitoring
- 4) Productive sector/Industry, Standards
- 5) Building, Labelling, Lighting and Energy Management Systems, HVAC
- 6) Transport, Energy Efficiency Mobility, Standards
- 7) Energy Efficiency in Cities, District Energy Systems
- 8) Energy Transition, Sustainable Energy and Energy Systems

In summary, the experts drafted **31 challenges** and **33 recommendations** for Chile's consideration. The PREE review team was already impressed with the energy efficiency initiatives currently occurring in Chile. They sincerely hope that each of the recommendations could help in enhancing energy efficiency in Chile.