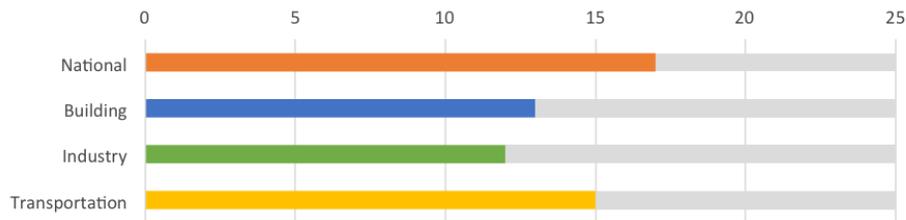


6 Japan



Coming in sixth, Japan scored 57 out of the possibly 100 points, maintaining a strong lead over the United States but falling below the top tier.

Japan tied for fifth in national efforts to promote energy efficiency. Japan has a mandatory energy savings goal, and the national government is currently committing more spending on energy efficiency measures in proportion to its GDP than any other country analyzed. Japan continues to have the highest efficiency of electricity production from thermal power plants in this analysis.

Japan scored well in the transportation category, tying with the UK. Japan has set the highest fuel economy standards for passenger vehicles, at 55 miles per gallon by 2025, although average on-road fuel economy has thus far reached just 31 miles per gallon. Japan is one of only four countries with established fuel efficiency standards for heavy-duty trucks. Even though the ratio of government investment in rail to investment in roads is low, a noteworthy number of passenger trips are made with public transit.

AREAS FOR IMPROVEMENT

The greatest area for improvement in Japan is in the buildings sector. While residential buildings consume less energy per square foot than in most nations analyzed, commercial buildings in Japan consume much more energy per square foot than all other countries except Italy. Japan has a great opportunity to increase the energy efficiency performance of its buildings by strengthening building codes, improving

code compliance, and implementing mandatory building labeling programs for all buildings.

Japan ranked well on industrial energy efficiency, and its commitment to efficiency in its industrial sector is strong. However, Japan has a very low percent of CHP in its power capacity. Japan has a relatively high level of energy intensity in industry both of which may be improved by the Top Runner Standards for Construction Material policy they have implemented recently.

ADDITIONAL RESOURCES

For more information on Japan's light-duty fuel economy standards: http://www.transportpolicy.net/index.php?title=Japan:_Light-duty:_Fuel_Economy

For more information on Japan's energy efficiency policies: <http://www.iea.org/policiesandmeasures/energyefficiency/?country=Japan>