



## Biomass demand in Japan and South Korea

A ten-year outlook

### **A multi-client study**

*English version: available immediately*

*Japanese version: available on request (for a supplementary fee)*



HAWKINS WRIGHT

## Why this report is needed

Since we published our April 2018 report, *A strategic assessment of Asian Pacific biomass demand and supply to 2030*, the South Korean and Japanese biomass markets have experienced significant changes. In the past year both governments have altered their policy frameworks, largely in an effort to control spending on renewable energy. These changes will have an impact on future demand in both countries. This new report provides an updated analysis of the policies affecting biomass use, the paying capability of generators and current and future demand.

### Summary of the report's contents:

#### Electricity generation in Japan and South Korea

- Market structures and the factors driving the countries' renewable energy policies. The report details the planned 2030 energy mix in South Korea and Japan and the role that biomass is expected to play.

#### Policy mechanisms driving biomass demand & paying capability

- The operation and value of policy instruments (e.g. Feed-in Tariffs in Japan and the Renewable Portfolio Standard in South Korea) used to promote the development of renewable electricity generation. The report identifies recent changes to the policy frameworks and how this has impacted existing and planned biomass projects.
- The report outlines the value of these subsidy instruments to a biomass power producer and provides the biomass paying capability of a variety of hypothetical biomass power projects, both cofiring and 100% dedicated biomass plants, before and after the policy changes.

#### Profiles of biomass power projects

- Including both dedicated biomass and cofiring projects. The capacity of each project, including its ownership and its technical, planning and financial status. Each project's estimated annual feedstock requirement and its likely feedstock preferences/flexibility. The report identifies the key biomass users in both countries, giving a detailed insight into their activities, status of projects, procurement approaches and feedstock preferences.

#### Forecasts of biomass feedstock demand in Japan and South Korea to 2030

- Including analysis of historical demand and sourcing regions. The report provides different demand scenarios for both countries, as well as a breakdown of demand by project status.

### Who should read this report?

This report will be essential reading for all companies with exposure to the emerging biomass market in the Asian Pacific Rim, including energy generators, wood pellet and other biomass fuel suppliers, energy and biomass traders, forestry/plantation owners and investors, non-energy wood chip buyers (e.g. pulp manufacturers), oil palm plantation owners and palm oil processors, shipping companies, financial institutions, energy regulators and policy makers.

### Questions answered...

- » What are the current policy instruments and subsidy schemes supporting biomass growth in Japan and South Korea?
- » How have the recent policy changes impacted existing and new projects?
- » What will be the preferred fuel sourcing strategies?
- » Which generators will need long-term supply contracts versus spot purchasing?
- » Where are the preferred sourcing regions for the pipeline of new projects?
- » Under different scenarios, what is the outlook for biomass demand in north-east Asia through 2030?
- » What forms of biomass will be favoured; wood chips, wood pellets, PKS...?



## Table of contents

<b>1. Electricity generation in Japan and South Korea</b> .....	<b>1</b>
Electricity generation trends in Japan and South Korea .....	<u>2</u>
The structure of Japan's electricity industries .....	<u>3</u>
Japan's Fifth Strategic Energy Plan, 2018 .....	<u>4</u>
Japan's planned energy mix in 2030 and beyond .....	<u>5</u>
South Korea: Trends in electricity generation .....	<u>6</u>
Planned changes to South Korea's generation mix to 2030.....	<u>7</u>
<b>2. Policy instruments</b> .....	<b>9</b>
Policy instruments in Japan – Feed-in Tariff (FIT).....	<u>10</u>
Policy instruments in Japan - GHG emission reduction & renewables targets .....	<u>12</u>
Policy instruments in South Korea - Renewable Portfolio Standard .....	<u>13</u>
Changes to South Korea's Renewable Portfolio Standard (RPS) .....	<u>14</u>
Policy instruments in South Korea - carbon trading scheme .....	<u>15</u>
Biomass paying capability .....	<u>16</u>
<b>3. The pipeline of biomass power projects</b> .....	<b>21</b>
The requirements and procurement approaches of Asian biomass buyers.....	<u>22</u>
Map of operational biomass power projects in Japan ≥50MW .....	<u>24</u>
Map of planned biomass power projects in Japan >50MW.....	<u>25</u>
Biomass power project developers in Japan.....	<u>26</u>
Japan: Operational dedicated biomass power plants (>20MW) .....	<u>31</u>
Japan: Operational biomass cofiring plants in Japan .....	<u>32</u>
Japan: Planned dedicated biomass plants (>15MW) .....	<u>33</u>
Japan: Planned biomass cofiring plants .....	<u>35</u>
Map of biomass power projects in South Korea .....	<u>36</u>
Biomass power project developers in South Korea .....	<u>37</u>
South Korea: Operational biomass power plants.....	<u>40</u>
South Korea: Biomass power plants under construction or planned .....	<u>41</u>
<b>4. Forecasts of biomass demand to 2030</b> .....	<b>43</b>
Historic biomass demand in Japan and Korea .....	<u>44</u>
Patterns of trade: biomass imports by Japan and Korea.....	<u>45</u>
Japanese biomass demand forecast to 2030 .....	<u>46</u>
South Korean biomass demand forecast to 2030 .....	<u>47</u>
Aggregate biomass demand forecast for Japan and South Korea to 2030.....	<u>48</u>





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### What is included in a subscription...

A subscription to this report comprises:

- A ~50 page printed report, also downloadable in PDF format.
- An accompanying Microsoft Excel database, listing details of all the major biomass power projects planned in Japan and South Korea.
- A worldwide corporate licence to distribute the report within the subscriber's organisation.
- Subscribers also receive Hawkins Wright's response to any questions that arise from our research. We welcome the opportunity to exchange views and information with our clients.
- A presentation meeting with the authors and customised presentation in London. *(If a meeting is held elsewhere, travel and subsistence expenses may be charged at cost.)*

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- » **Outlook for Wood Pellets** - a quarterly in-depth analysis of the wood pellet market
- » **A Strategic Assessment of Asian Pacific Biomass Demand and Supply to 2030** - a one-off study on the emerging Asian Pacific biomass market
- » **The Global Market for Energy Chips** - a unique examination of the developing seaborne market for woodchips for energy, including an assessment of supply and demand

Hawkins Wright also offers a wide range of bespoke consulting services for the biomass and bioenergy industries. Our expertise covers the entire biomass supply chain, from forest resources, to logistics, pellet production, contracting and biomass project development.

