# Supplementary Material on Financial Results for Fiscal Year Ending March 2019

RENOVA, Inc.



May 10, 2019



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As a general rule and unless indicated otherwise, consolidated figures are used for the monetary amounts listed in this document. As amounts less than one million yen are rounded down, totals in each column may not match. In this document, current profit is listed as net income attributable to owners of the parent.

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I. Financial Results for the Fiscal Year Ending March 2019



# Key Highlights of Financial Results for FY3/2019 and Recent Updates

A record-high performance, exceeding initial forecasts Net sales: 14 billion yen (+20% YoY) EBITDA<sup>\*1</sup>: 7.8 billion yen (+25% YoY)

Two<sup>\*2</sup> solar PV plants commenced operation Capacity of power plants in operation is now more than 200 MW

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2

Began construction<sup>\*3</sup> on two 75MW large-scale biomass power plants. Steady development progress of biomass pipeline projects.

<sup>\*1</sup> EBITDA = Ordinary profit + Net interest expenses + Depreciation + Amortization of long-term prepaid expenses (Amortization of grid connection costs and amortization of deferred consumption tax) + Amortization of goodwill + Amortization of deferred assets (amortization of business commencement expenses and amortization of deferred organization expenses). EBITDA is neither subject to audit nor quarterly review.

<sup>\*2</sup> The Yokkaichi Solar Project reached COD in March 2019. The Nasukarasuyama Solar Project reached COD in May 2019.

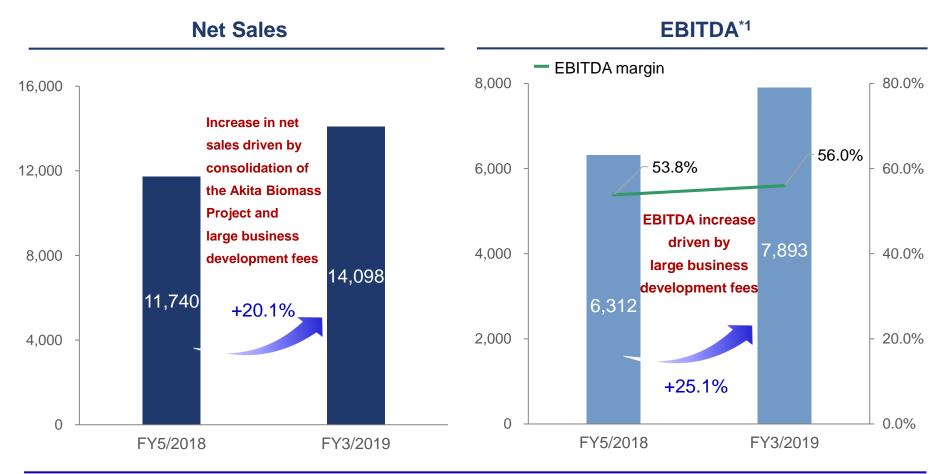
<sup>\*3</sup> Projects for which work has commenced in accordance with the EPC contract are indicated as "under construction"



## Trend in Net Sales and EBITDA

#### (Million yen, %)

Net sales and EBITDA increased due to the consolidation of the Akita Biomass Project and receipt of large business development fees.



\*1 EBITDA = ordinary profit + net interest expenses + depreciation + amortization of long-term prepaid expenses (grid connection costs and deferred consumption tax) + amortization of goodwill + amortization of deferred assets (business commencement expenses and deferred organization expenses). EBITDA is neither subject to audit nor quarterly review.



## **Financial Results Highlights**

#### (Million yen,%)

- Increase in net sales driven by consolidation of the Akita Biomass Project and large business development fees.
- Business development fees were recorded in relation to large-scale biomass projects (the Kanda Biomass Project and the Tokushima-Tsuda Biomass Project).

|  |          |          | FY3/2019   |        |        |
|--|----------|----------|--|--------|--------|
|  | FY5/2018 | FY3/2019 | (Full-year plan)   |        | Change |
| Net Sales  | 11,740   | 14,098   |  | 14,000 | 20.1%  |
| EBITDA*1   | 6,312    | 7,893    | by consolidation of the Akita<br>Biomass Project and large | 7,800  | 25.1%  |
| EBITDA margin  | 53.8%    | 56.0%    |  | 55.7%  | -      |
| Operating profit   | 3,679    | 5,025    | Growth of profit line items remains suppressed due to      | 5,000  | 36.6%  |
| Ordinary profit  | 2,055    | 3,460    | continued aggressive investment for future growth.         | 3,400  | 68.4%  |
| Extraordinary income   | 86       | 268      | Profit attributable to                                     | -      | 211.5% |
| Extraordinary losses   | 20       | 5        | non-controlling interests increased with the               | -      | -71.7% |
| Profit   | 800      | 1,659    | consolidation of the Akita Biomass Project.                | 1,650  | 107.3% |
| EPS (yen) <sup>*2</sup>  | 10.86    | 22.25    | Includes extraordinary profit                              | 22.13  | -      |
| ROE <sup>*3</sup>  | 11.1%    | 19.5%    |  | 22.1%  | -      |
| Number of power plants in<br>operation<br>(The figures in parentheses ()<br>represents the number of power<br>plants to which equity method<br>investment is applied.) | 8(0)     | 9(0)     | consolidation of<br>the Yokkaichi Solar Project.           | 9(0)   | -      |
| Capacity (MW)*4  | 163.7    | 185.3    |  | 185.3  | -      |

\*1 EBITDA = ordinary profit + net interest expenses + depreciation + amortization of long-term prepaid expenses (grid connection costs and deferred consumption tax) + amortization of goodwill + amortization of deferred assets (business commencement expenses and deferred organization expenses). EBITDA is neither subject to audit nor quarterly review.

\*2 The EPS value does not consider adjustment for dilutive shares. This value has been calculated from the average number of shares after share splits on the assumption that share splits effective on May 1 and September 1, 2018, had taken place at the beginning of the previous fiscal year.

\*3 The capacity figures represent gross generation capacity. \*4 For the purpose of calculating ROE, the profit figure for the most recent 12-month period is used, and the equity figure used is the simple average of the values at the beginning of the most recent 12-month period and at the end of the most recent month period. \*4 The capacity figures represent gross generation capacity.



# Quarterly Results by Segment<sup>\*1</sup>

#### (Million yen)

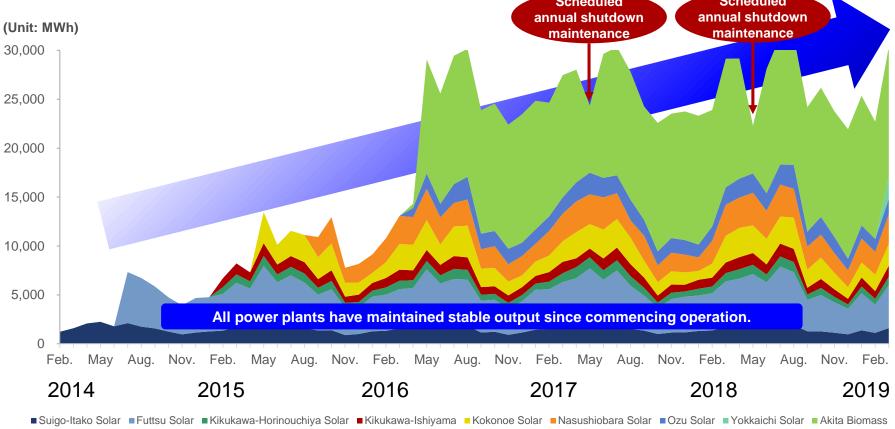
|   |           |          | 1                    | Q     | 2Q    | 3Q                          |       | 4Q                | Full y                        | ear    |
|---|-----------|----------|----------------------|-------|-------|-----------------------------|-------|-------------------|-------------------------------|--------|
|   | Net sales | FY3/2019 |                      | 3,003 | 3,229 |                             | 2,616 | 2,772             |                               | 11,622 |
|   | Net Sales | FY5/2018 | Recorded             | 2,056 | 3,074 | Recorded                    | 2,547 | 2,769             | Steady power                  | 10,448 |
| Renewable Energy<br>Power Generation        | EBITDA    | FY3/2019 | business             | 2,020 | 2,123 | business<br>development     | 1,522 | 1,818             | generation<br>and             | 7,484  |
| Business (A)                                |           | FY5/2018 | fee from             | 1,768 | 1,982 | fees from the<br>Tokushima- | 1,389 | 1,707             | consolidation<br>of the Akita | 6,847  |
|   | Ordinary  | FY3/2019 | the Kanda<br>Biomass | 926   | 1,031 | Tsuda<br>Biomass            | 440   | 752               | Biomass<br>Project.           | 3,154  |
|   | profit    | FY5/2018 | Project.             | 895   | 872   | Project.                    | 285   | 613               | _                             | 2,666  |
|   | Net sales | FY3/2019 |                      | 339   | 83    |                             | 1,249 | 803 <sup>*2</sup> | 2                             | 2,476  |
| Renewable Energy                            | Net Sales | FY5/2018 |                      | 423   | 460   |                             | 164   | 243               | _                             | 1,291  |
| Development and<br>Operation                |           | FY3/2019 |                      | -249  | -475  |                             | 594   | 540 <sup>*2</sup> | 2                             | 409    |
| Business +<br>Elimination (B) <sup>*1</sup> | EBITDA    | FY5/2018 |                      | -3    | 74    |                             | -228  | -377              |                               | -535   |
| Elimination (B)                             | Ordinary  | FY3/2019 |                      | -285  | -508  |                             | 562   | 538 <sup>*</sup>  | ²                             | 306    |
|   | profit    | FY5/2018 |                      | -16   | 61    |                             | -248  | -408              |                               | -611   |
|   | Net sales | FY3/2019 |                      | 3,343 | 3,313 |                             | 3,866 | 3,575             | Continued aggressive          | 14,098 |
|   |           | FY5/2018 |                      | 2,480 | 3,535 |                             | 2,711 | 3,012             | investment                    | 11,740 |
| Total (A + B)                               | EBITDA    | FY3/2019 |                      | 1,770 | 1,647 |                             | 2,116 | 2,358             | for growth,<br>including      | 7,893  |
|   |           | FY5/2018 |                      | 1,765 | 2,057 |                             | 1,160 | 1,329             | personnel<br>expenses         | 6,312  |
|   | Ordinary  | FY3/2019 |                      | 643   | 522   |                             | 1,002 | 1,290             | and<br>relocation             | 3,460  |
|   | profit    | FY5/2018 |                      | 878   | 934   |                             | 37    | 205               | of corporate<br>HQ.           | 2,055  |

\*1 When receiving development fees from affiliated companies, RENOVA records such development fees in its consolidated financial results after deducting amounts that correspond to RENOVA's ownership stake in those affiliated companies. \*2 4Q figures for the Renewable Energy Development and Operation segment in FY3/2019 are comprised of one month (the month of March).



# Trend in Monthly Electricity Sales Volume by Power Plant (MWh<sup>\*1</sup>)

- Output from solar PV plants is seasonal and is relatively larger from spring to fall due to favorable weather.
- Solar PV plants in the Kyushu have experienced several instances of output curtailment since October 2018. However, the impact on business results was minimal.
- Biomass power plants maintain stable output except during scheduled annual shutdown maintenance in May of every year.
- 3 solar PV plants (the Nasukarasuyama Solar and the Karumai East & West Solar) are scheduled to reach COD in FY3/2020.
  Scheduled





# Composition of EBITDA

#### (Million yen)

Consolidation of the Akita Biomass Project and receipt of large business development fees contributed to year-on-year growth of EBITDA, offsetting increased development expenses.

|  | FY5/2018 | FY3/2019 | Change | Increase due to   |
|--|----------|----------|--------|---|
| Ordinary profit  | 2,055    | 3,460    | 1,405  | <ul> <li>consolidation of</li> <li>the Akita Biomass Project</li> <li>and large business</li> <li>development fees</li> </ul> |
| Net interest expense (+)   | 1,294    | 1,299    | 5      | development fees  |
| Interest income  | 0        | 2        | 2      |   |
| Interest expenses + interests on<br>asset retirement obligations | 1,294    | 1,302    | 8      |   |
| Depreciation (+)   | 2,542    | 2,707    | 164    | <ul> <li>Increase due to<br/>consolidation of<br/>the Akita Biomass Project</li> </ul>  |
| Amortization of long-term prepaid expenses <sup>*1</sup> (+)     | 24       | 26       | 1      |   |
| Amortization of goodwill (+)                                     | 31       | 26       | -4     |   |
| Amortization of deferred assets <sup>*2</sup> (+)                | 363      | 372      | 8      |   |
| EBITDA   | 6,312    | 7,893    | 1,581  |   |

\*1 Amortization of long-term prepaid expenses = amortization of grid connection costs + amortization of deferred consumption taxes...

\*2 Amortization of deferred assets = amortization of business commencement expenses + amortization of deferred organization expenses.



## **Balance Sheet**

#### (Million yen)

- Total assets increased due to consolidation of the Yokkaichi Solar Project, increases in advances for business development expenses, and increases in borrowings to fund development costs and investments.
- Shareholders' equity increased due to an increase in retained earnings.

|   | As of<br>5/2018 | As of 3/2019 | Change | Major Factors of Increase/Decrease  |
|---|-----------------|--------------|--------|---|
| Current assets                            | 19,185          | 27,623       | 8,438  | Increase in cash at the end of the fiscal year due to an increase in borrowings to fund development costs.                                  |
| Non-current assets                        | 45,697          | 52,977       | 7,280  |   |
| Property, plant and equipment             | 40,684          | 45,690       | 5,006  | Increase due to consolidation of the Yokkaichi Solar Project.   |
| Intangible assets                         | 1,289           | 1,283        | -6     |   |
| Investments and other assets              | 3,723           | 6,004        | 2,280  | Additional equity injections to SPCs to fund development of<br>biomass power plants and increased investment for offshore<br>wind projects. |
| Deferred assets                           | 830             | 898          | 68     |   |
| Total assets                              | 65,713          | 81,499       | 15,786 |   |
| Interest-bearing debt*1                   | 49,202          | 61,778       | 12,575 | Increase due to consolidation of the Yokkaichi Solar Project and<br>increases in borrowings to fund development costs and<br>investments.   |
| Other liabilities                         | 5,640           | 6,835        | 1,194  |   |
| Total liabilities                         | 54,843          | 68,613       | 13,770 |   |
| Shareholders' equity                      | 7,673           | 9,025        | 1,352  | Increase in retained earnings.  |
| Accumulated other<br>comprehensive income | -25             | 312          | 337    | Recognition of deferred gains on foreign exchange contracts for the Tokushima-Tsuda Biomass Project.  |
| Subscription rights to shares             | 5               | 9            | 3      |   |
| Non-controlling interests                 | 3,216           | 3,539        | 322    | Net income attributable to non-controlling interests.   |
| Total net assets                          | 10,870          | 12,886       | 2,015  |   |

\*1 Interest-bearing debt = short-term loans payable + current portion of long-term loans payable + long-term loans payable + lease obligations + outstanding interest-bearing debt



# Key Balance Sheet Items and Credit Metrics

#### (Million yen)

Credit metrics remain largely unchanged despite an increase in total assets.

|                        |                                     | As of 5/2018 | As of<br>3/2019 | Change | Major Factors of<br>Increase/Decrease  |
|------------------------|-------------------------------------|--------------|-----------------|--------|--|
|                        | Total assets                        | 65,713       | 81,499          | 15,786 |  |
| Key                    | Net assets                          | 10,870       | 12,886          | 2,015  | Increase in retained earnings and increase in non-controlling interests  |
|                        | Equity Capital <sup>*1</sup>        | 7,648        | 9,337           | 1,689  |  |
| balance<br>sheet items | Net interest-bearing debt           | 35,083       | 40,529          | 5,445  |  |
|                        | Cash and deposits                   | 14,118       | 21,249          | 7,130  |  |
|                        | Interest-bearing debt <sup>*2</sup> | 49,202       | 61,788          | 12,575 | Increase due to consolidation of<br>the Yokkaichi Solar Project and<br>increase in borrowings to fund<br>development costs |
|                        | Equity ratio                        | 11.6%        | 11.5%           | -0.2 % |  |
| Credit                 | Net asset ratio                     | 16.5%        | 15.8%           | -0.7%  |  |
| metrics                | Net D/E ratio <sup>*3</sup>         | 3.2x         | 3.1x            | -0.1x  |  |
|                        | Net Debt / EBITDA <sup>*4</sup>     | 5.6x         | 5.1x            | -0.4x  |  |

\*1 Equity Capital = Shareholders' Equity + AOCI (Accumulated Other Comprehensive Income)

\*2 Interest-bearing debt = short-term loans payable + current portion of long-term loans payable + long-term loans payable + lease obligations + outstanding interest-bearing debt

\*3 Net D/E ratio = Net interest-bearing debt / net assets

\*4 EBITDA amounted to 6,312 million yen for FY5/2018 and to 7,884 million yen for FY3/2019



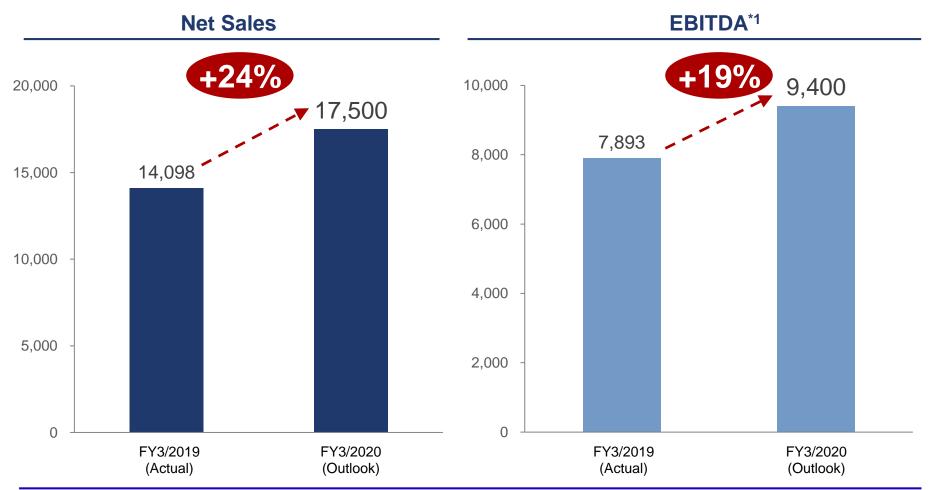
II. Outlook for the Fiscal Year Ending March 2020



# Outlook for FY3/2020 – Net Sales and EBITDA\*1

#### (Million yen, %)

Expecting growth in net sales and EBITDA primarily due to new solar PV plants commencing operation.



\*1 EBITDA = ordinary profit + net interest expenses + depreciation + amortization of long-term prepaid expenses (grid connection costs and deferred consumption tax) + amortization of goodwill + amortization of deferred assets (business commencement expenses and deferred organization expenses). EBITDA is neither subject to audit nor quarterly review.



# Outlook for FY3/2020

#### (Million yen, %)

- Expecting growth in net sales, EBITDA, and EPS for FY3/2020.
- RENOVA intends to continue upfront investment strategy to expand its business, including increased personnel expenses.

|                         | FY3/2019<br>(Actual) | FY3/2020<br>(Outlook) | Change |
|-------------------------|----------------------|-----------------------|--------|
| Net Sales               | 14,098               | 17,500                | +24%   |
| EBITDA                  | 7,893                | 9,400                 | +19%   |
| EBITDA margin           | 56.0%                | 53.7%                 | -      |
| Operating profit        | 5,025                | 5,700                 | +13%   |
| Ordinary profit         | 3,460                | 3,300                 | -5%    |
| Profit                  | 1,659                | 2,100                 | +27%   |
| EPS (yen) <sup>*1</sup> | 22.25                | 27.83                 | +25%   |
| ROE <sup>*2</sup>       | 19.5%                | 19.9%                 | -      |

Full-year contribution from the Yokkaichi Solar Project.

- Partial year contribution from the Nasukarasuyama Solar Project and the Karumai West Solar Project.
- Business development fees from large-scale biomass projects expected to exceed previous year results.
- Continuing aggressive up-front investment, including personnel expenses.
- Ordinary profit is expected to decrease slightly, due to large initial depreciation and amortization expenses of solar PV plants that newly reach COD.
- Includes allowances for output curtailment for solar PV plants, adverse weather condition, unexpected operational suspension of a biomass power plant, etc.

\*1 EPS figures represents basic EPS. EPS for FY3/2020 has been calculated assuming that the total number of issued shares will remain unchanged from the total number of issued shares at the end of FY3/2019.

\*2 For the purpose of calculating ROE, the profit figure for the most recent 12-month period is used, and the equity figure used is the simple average of the values at the beginning of the most recent 12-month period and at the end of the most recent 13-month period.



# Outlook for Renewable Energy Business by Segment

#### (Million yen)

- Expect continued growth in the Renewable Energy Power Generation Business due to new power plants commencing operation and being consolidated.
- Ordinary profit is expected to decrease slightly, due to large initial depreciation and amortization expenses of solar PV plants that newly reach COD.
- Increased business development fees for the Renewable Energy Development and Operation Business are expected to offset increased development expenses, including hiring of new personnel.

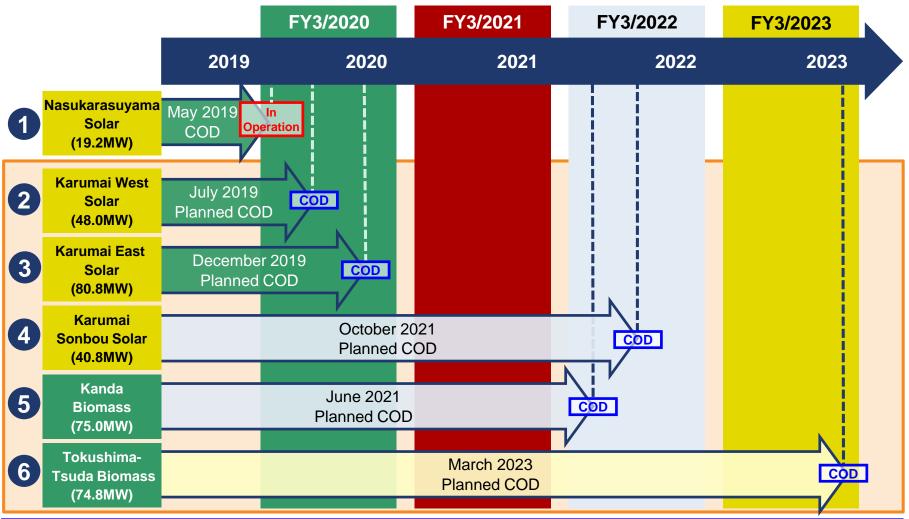
|   |                 | FY3/2019<br>(Actual) | FY3/2020<br>(Outlook) | Change  |  |
|---|-----------------|----------------------|-----------------------|---------|--|
| Renewable   | Net sales       | 11,622               | 13,300                | +14.4%  |  |
| Energy Power<br>Generation<br>Business (A)          | EBITDA          | 7,484                | 8,500                 | +13.6%  |  |
|   | Ordinary profit | 3,154                | 2,700                 | -14.4%  |  |
| Renewable<br>Energy<br>Development and<br>Operation | Net sales       | 2,476                | 4,200                 | +69.6%  |  |
|   | EBITDA          | 409                  | 900                   | +120.0% |  |
| Business +<br>Elimination (B)* <sup>1</sup>         | Ordinary profit | 306                  | 600                   | +96.1%  |  |
| Total <sup>*1</sup><br>(A + B)                      | Net sales       | 14,098               | 17,500                | +24.1%  |  |
|   | EBITDA          | 7,893                | 9,400                 | +19.1%  |  |
|   | Ordinary profit | 3,460                | 3,300                 | -4.6%   |  |

- Full-year contribution from the Yokkaichi Solar Project.
- Partial year contribution from the Nasukarasuyama Solar Project and the Karumai West Solar Project.
- Ordinary profit is expected to decrease slightly, due to large initial depreciation and amortization expenses of solar PV plants that newly reach COD.
- Business development fees from large-scale biomass projects expected to exceed previous year results.
- Continuing aggressive upfront investment, including personnel expenses.



## List of Projects Under Construction in FY3/2020<sup>\*1</sup>

Five projects under construction are expected to successively reach COD and contribute to profit from July 2019 onwards.



\*1 Pipeline projects may be altered, delayed or cancelled. Projects for which work has commenced in accordance with the EPC contract are shown as "under construction".

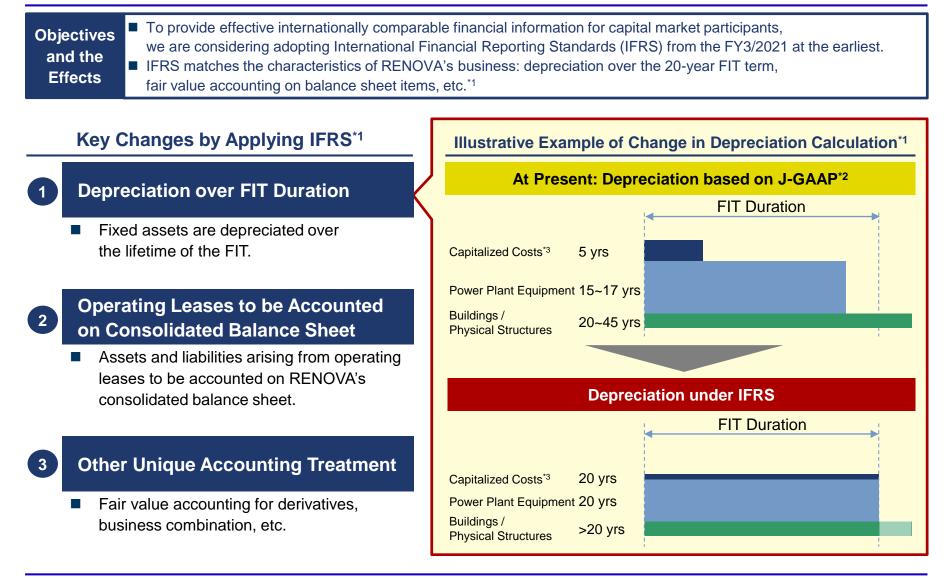


|  | FY3/2019 (Actual)   | FY3/2020 (Outlook)   |
|--|---|--|
| Renewable Energy<br>Power Generation<br>Business | Consolidated Subsidiaries         7 Solar PV plants         143.2MW   | <ul> <li>Consolidated Subsidiaries</li> <li>10 Solar PV plants 232.0MW         <ul> <li>12 month contribution from the Yokkaichi Solar</li> <li>9 month contribution from the Nasukarasuyama Solar</li> <li>6 month contribution from the Karumai West Solar</li> <li>Forecasts for some existing solar PV plants incorporate additional output curtailment</li> </ul> </li> <li>1 Biomass power plant         <ul> <li>Includes allowance for unplanned operational downtime</li> </ul> </li> </ul> |
| Renewable Energy<br>Development and              | <ul> <li>Profit from distribution of the silent partnership</li> <li>■ 1 Solar PV plant</li> <li>– 1 month of results from the Yokkaichi Solar</li> </ul> | <ul> <li>Profit from distribution of the silent partnership</li> <li>■ Solar PV plants         <ul> <li>2 months of results from the Nasukarasuyama Solar</li> <li>3 months of results from the Karumai West Solar</li> <li>4 months of results from the Karumai East Solar</li> </ul> </li> </ul>   |
| Operation<br>Business +                          | Business Development Fees<br>■ Total 2.2 bn yen <sup>*1</sup>   | Business Development Fees<br>■ Approx. <u>4.0</u> bn yen <sup>*1</sup>   |
| Elimination                                      | <ul> <li>2 Biomass projects<br/>(the Kanda Biomass Project and<br/>the Tokushima-Tsuda Biomass Project)</li> </ul>  | <ul> <li>1 Solar PV project (the Hitoyoshi Solar Project)</li> <li>2 Biomass projects         <ul> <li>(the Tokushima-Tsuda Biomass Project<sup>*2</sup> and the Omaezaki Biomass Project)</li> </ul> </li> </ul>  |

\*1 Figures for business development fees are after elimination of intra-company transactions.

\*2 Additional business development fee is expected from one of the project's co-sponsors, upon achieving a previously agreed upon development milestone.

# Applying IFRS to Financial Results from FY3/2021 at the Earliest



<sup>\*1</sup> Adoption of IFRS is still under consideration and may be subject to change in the future

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<sup>\*2</sup> Japanese Generally Accepted Accounting Principles

<sup>\*3</sup> Capitalized costs that have been categorized as business commencement expenses



## III. Project development status and other information



## RENOVA's Generation Portfolio and Pipeline (1/2)

List of plants in operation, under construction and pipeline projects<sup>\*1</sup> (as of May 10, 2019)

- The Nasukarasuyama Solar Project commenced operation in May 2019.
- The total generation capacity of solar PV plants in operation increased to 184.0 MW.
- Steady progress in development of the Hitoyoshi Solar Project.

| Energy<br>Source | Project Name              | Location | Power Generating<br>Capacity (MW) | Purchase Price <sup>*2</sup><br>(/kWh) | Current Status     | Investment<br>Ratio | EIA Status | COD (Target)  |
|------------------|---------------------------|----------|-----------------------------------|--|--------------------|---------------------|------------|---------------|
|                  | Suigo-Itako               | Ibaraki  | 15.3                              | ¥40                                    | In operation       | 68.0%               | -          | 2014          |
|                  | Futtsu                    | Chiba    | 40.4                              | ¥40                                    | In operation       | 51.0%               | -          | 2014          |
|                  | Kikugawa-Ishiyama         | Shizuoka | 9.4                               | ¥40                                    | In operation       | 63.0%               | -          | 2015          |
|                  | Kikugawa-<br>Horinouchiya | Shizuoka | 7.5                               | ¥40                                    | In operation       | 61.0%               | -          | 2015          |
|                  | Kokonoe                   | Oita     | 25.4                              | ¥40                                    | In operation       | 100%                | -          | 2015          |
|                  | Nasushiobara              | Tochigi  | 26.2                              | ¥40                                    | In operation       | 100%                | -          | 2015          |
| Solar            | Ozu                       | Kumamoto | 19.0                              | ¥36                                    | In operation       | 100%                | -          | 2016          |
|                  | Yokkaichi                 | Mie      | 21.6                              | ¥36                                    | In operation       | 100%                | -          | 2019          |
|                  | Nasukarasuyama            | Tochigi  | 19.2                              | ¥36                                    | In operation       | 38.0% <sup>*3</sup> | -          | 2019          |
|                  | Karumai West              | Iwate    | 48.0                              | ¥36                                    | Under construction | 38.0% <sup>*3</sup> | -          | (Around 2019) |
|                  | Karumai East              | Iwate    | 80.8                              | ¥36                                    | Under construction | 38.5% <sup>*3</sup> | -          | (Around 2019) |
|                  | Karumai Sonbou            | Iwate    | 40.8                              | ¥36                                    | Under construction | 46.0% <sup>*4</sup> | -          | (Around 2021) |
|                  | Hitoyoshi                 | Kumamoto | 20.8                              | ¥36                                    | Development        | -                   | -          | (Around 2022) |

\*1 Pipeline projects may be altered, delayed or cancelled. Projects for which work has commenced in accordance with the EPC contract are shown as "under construction". Due to a decision to terminate development of "Project A" (Power Generating Capacity: Approx. 30MW, Purchase Price: ¥32/kWh), the project has been removed from the list of pipeline projects.

\*2 Purchase price is not the actual contractual price agreed to with the party that purchases the electricity, but the fixed purchase price (displayed without consumption tax) applied based on the FIT Scheme for each power generation facility.

- \*3 RENOVA holds the right to additionally acquire all equity in the anonymous partnership currently owned by a co-sponsor, on or after the date of completion of the power plant.
- \*4 RENOVA holds the right to additionally acquire 9% equity in the anonymous partnership currently owned by a co-sponsor, on or after the date of completion of the power plant.



## RENOVA's Generation Portfolio and Pipeline (2/2)

#### List of plants in operation, under construction and pipeline projects<sup>\*1</sup> (as of May 10, 2019)

- Construction<sup>\*1</sup> of the Omaezaki biomass project is scheduled to commence during FY3/2020.
- Expected Power Generating Capacity and COD target year for the Yurihonjo project have been changed. The revised outlook takes into consideration the promotion zone selection process and subsequent developer selection process.
- The Final Investment Decision (FID) and COD target years are expected to be delayed by at least one year
- Actively pursuing sourcing and development of new projects in addition to those that have been disclosed.

| Energy<br>Source | Project<br>Name         | Location  | Power<br>Generating<br>Capacity (MW) | Purchase<br>Price <sup>*2</sup><br>(/kWh) | Current Status                              | Investment Ratio       | EIA Status | COD (Target)  |
|------------------|-------------------------|-----------|--------------------------------------|---|---|------------------------|------------|---------------|
|                  | Akita                   | Akita     | 20.5                                 | ¥32/¥24                                   | In operation                                | 35.3% <sup>*3</sup>    | -          | 2016          |
|                  | Kanda <sup>*4</sup>     | Fukuoka   | 75.0                                 | ¥24/¥32                                   | Under Construction                          | 43.1%                  | -          | 2021          |
| Biomass          | Tokushima-<br>Tsuda     | Tokushima | 74.8                                 | ¥24/¥32                                   | Under Construction                          | 41.8% <sup>*5 *6</sup> | -          | 2023          |
|                  | Omaezaki                | Shizuoka  | Аррх. 75                             | ¥24/¥32                                   | Development                                 | -                      | Underway   | (Around 2023) |
|                  | Ishinomaki              | Miyagi    | Аррх. 75                             | ¥24/¥32                                   | Under assessment                            | -                      | Underway   | (Around 2023) |
|                  | Sendai                  | Miyagi    | Аррх. 75                             | ¥24/¥32                                   | Under assessment                            | -                      | Underway   | (Around 2023) |
| Offshore<br>Wind | Yurihonjo <sup>*7</sup> | Akita     | Appx. [700]                          | TBD                                       | Under assessment<br>(Grid tendering)        | -                      | Underway   | TBD           |
| Onshore          | Abukuma                 | Fukushima | Аррх. 150                            | ¥22                                       | Under assessment<br>(Joint)*7               | -                      | Underway   | (Around 2022) |
| Wind             | Project B               | Kyushu    | Аррх. 50                             | ¥21                                       | Upfront investment                          | -                      | Underway   | (Around 2024) |
| Geothermal       | Minami Aso              | Kumamoto  | TBD                                  | TBD                                       | Upfront investment<br>(Joint) <sup>*7</sup> | -                      | -          | (Around 2021) |
|                  | Esan                    | Hokkaido  | TBD                                  | TBD                                       | Upfront investment                          | -                      | -          | TBD           |

\*1 Pipeline projects may be altered, delayed or cancelled. Projects for which work has commenced in accordance with the EPC contract are shown as "under construction". Due to a decision to terminate development of the "Project A" (Power Generating Capacity: 30MW, Purchase Price: ¥32/kWh), the project has been removed from the list of pipeline projects.

\*2 Purchase price is not the actual contractual price agreed to with the party that purchases the electricity, but the fixed purchase price (displayed without consumption tax) applied based on the FIT Scheme for each power generation facility.

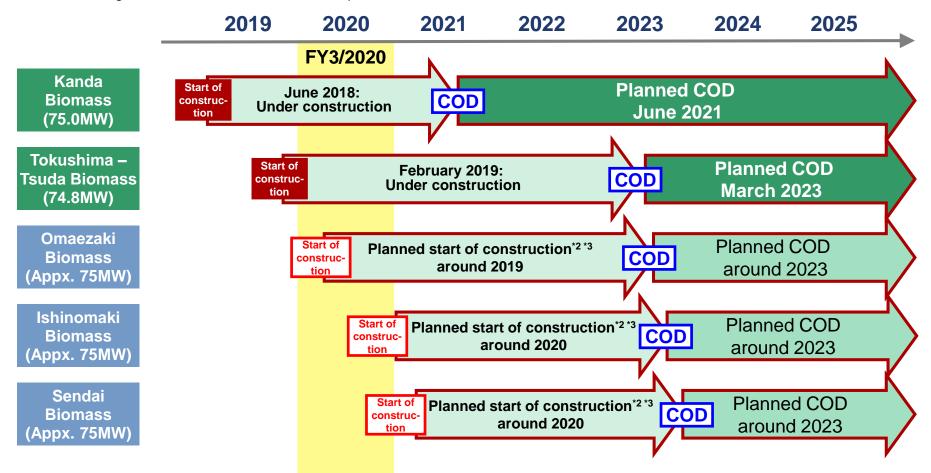
\*3 RENOVA has invested in the Akita Biomass Project through Sensyu Holdings Co., Ltd., a subsidiary of RENOVA's ownership interest in the Akita Biomass Project, calculated as the product of RENOVA's ownership interest in Sensyu holdings Co., Ltd., and Sensyu holdings Co., Ltd., as 35.3%.

\*4 The Kanda Biomass Project is a joint developed project that is led by RENOVA, which holds 43.1% of the shares of the SPC and is the largest shareholder. Note: We do not have the right to acquire additional equity in the SPC, which is held by four joint investors. \*5 RENOVA holds the right to additionally acquire a 24.7% stake (economic interest: 28.6%) at COD from the project's co-sponsors. Following the acquisition, RENOVA's economic interest in the project will be 70.4% (RENOVA's investment ratio will be 60.8%). \*6 The figure indicates RENOVA's economic interest in the project. RENOVA's investment ratio is 36.1%. \*7 Power generation capacity and COD target will be disclosed at a later time when there is further visibility. \*8 (Jointly indicates a jointly developed project where another company leads the project's development.



## **Development of Biomass Projects<sup>\*1</sup>**

- Construction started on the Kanda Biomass Project in June 2018, and the Tokushima-Tsuda Biomass Project in February 2019.
- Targeting to commence construction on the Omaezaki Biomass Project, the Ishinomaki Biomass Project, and the Sendai Biomass Project successively over the next 1-2 years.
- Undertaking efforts to shorten the construction periods.



\*1 Pipeline projects may be altered, delayed or cancelled. Projects for which work has commenced in accordance with the EPC contract are shown as "under construction"

\*2 Including the period of preparation for construction after the financing contract. Development projects may be altered, delayed or cancelled due to development status, progress and comments reflecting environmental impact assessments. \*3 Construction commencement presented in accordance with RENOVA's expected schedule, and not construction commencement dates indicated in the preliminary environmental impact assessments materials.



# Status of Share Options etc. with Dilutive Effects

### As of March 31, 2019

| Name  | Strike price | Number of shares corresponding to<br>the remaining number of share<br>options*1 (shares) | Capital incorporation (thousand yen) |
|---|--------------|--|--------------------------------------|
| 16 <sup>th</sup> Share options                        | 78 yen       | 67,200   | 2,620                                |
| 18 <sup>th</sup> Share options                        | 78 yen       | 204,800  | 7,987                                |
| 19 <sup>th</sup> Share options                        | 78 yen       | 60,800   | 2,371                                |
| 20 <sup>th</sup> Share options                        | 97 yen       | 113,600  | 5,509                                |
| 21 <sup>st</sup> Share options                        | 97 yen       | 174,400  | 8,458                                |
| 22 <sup>nd</sup> Share options                        | 97 yen       | 184,000  | 8,924                                |
| 23 <sup>rd</sup> Share options                        | 97 yen       | 281,600  | 13,657                               |
| 24 <sup>th</sup> Share options                        | 97 yen       | 88,000   | 4,268                                |
| 25 <sup>th</sup> Share options                        | 97 yen       | 718,400  | 34,842                               |
| 26 <sup>th</sup> Share options                        | 188 yen      | 1,123,200  | 105,580                              |
| 27 <sup>th</sup> Share options                        | 188 yen      | 1,016,000  | 95,504                               |
| 1 <sup>st</sup> Share remuneration-type Share options | 293 yen      | 60,000   | 8,790                                |
| 2 <sup>nd</sup> Share remuneration-type Share options | 987 yen      | 48,500   | 23,934                               |
| Subtotal  | -            | 4,140,500  | 324,044                              |
| Share-based compensation plan (Treasury shares)       | -            | 393,600  | -                                    |
| Total   | -            | 4,534,100  | -                                    |
| Dilution ratio <sup>*2</sup>                          | -            | 6.0%   | -                                    |

\*1 The total number of shares issued shows the number of shares reflecting the share split implemented on September 1, 2018.

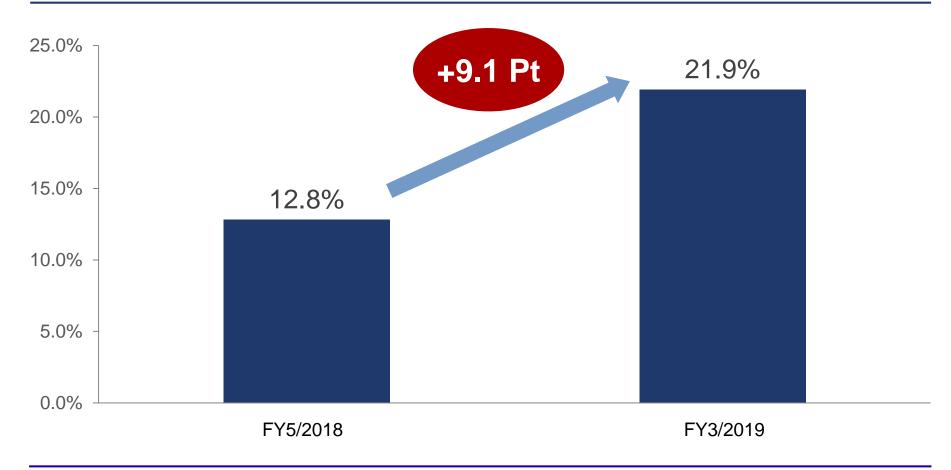
\*2 Based on the total number of shares issued, net of treasury shares, which were 75,076,400 shares as of March 31, 2019.



## (Reference) Shareholder Composition As of March 31, 2019

The percentage of our shares held by Japanese and international institutional investors has increased significantly over the past fiscal year.

### Trends in the proportion shares held by institutional investors





## (Reference) Corporate Overview As of March 31, 2019

|                                      | Corporate Information  |
|--------------------------------------|--|
| Name:                                | RENOVA, Inc.   |
| Location of Head<br>Office           | 2-2-1 Kyobashi Chuo-ku, Tokyo  |
| Representatives                      | Sachio Semmoto, Executive Chairman &<br>Representative Director<br>Yosuke Kiminami, Founding CEO |
| Established                          | May 2000   |
| Capital Stock                        | 2,080 million yen  |
| Stock Exchange                       | First section of Tokyo Stock Exchange  |
| Securities code                      | 9519   |
| Business                             | Renewable energy business  |
| Employees<br>(consolidated)          | 159  |
|                                      | Corporate Governance   |
| Board of Directors                   | 8 directors, including 6 external directors  |
| Audit &<br>Supervisory Board         | 4 auditors, including 3 external auditors  |
|                                      | Status of Shares   |
| Total Number of<br>Authorized Shares | 280,800,000  |

75,470,000

9,582

Total Number of

Shares Issued

Number of

Shareholders

| Key History (As of May 10, 2019) |   |
|----------------------------------|---|
| May 2000                         | Established Recycle One, Inc. (currently RENOVA, Inc.)  |
| October 2012                     | Entered renewable energy business   |
| December 2013                    | Company renamed RENOVA, Inc.  |
| February 2014                    | COD for Suigo-Itako Solar Co., Ltd.   |
| July 2014                        | COD for Futtsu Solar Co., Ltd.  |
| February 2015                    | COD for Kikugawa-Ishiyama Solar Co., Ltd. and Kikugawa-Horinouchiya Solar Co., Ltd.   |
| May 2015                         | COD for Kokonoe Solar GK  |
| September 2015                   | COD for Nasushiobara Solar GK   |
| April 2016                       | COD for Ozu Solar GK  |
| May 2016                         | Entered the biomass power generation business<br>(United Renewable Energy Co., Ltd.(Akita Biomass<br>Project: URE) reaches COD) |
| August 2016                      | Divestment of plastic recycling business  |
| February 2017                    | Listed on the Tokyo Stock Exchange Mothers Section  |
| July 2017                        | Consolidated United Renewable Energy Co., Ltd.(Akita Biomass Project: URE)  |
| February 2018                    | Changed listing venue to the First Section of the Tokyo Stock Exchange  |
| March 2019                       | COD for Yokkaichi Solar GK  |
| May 2019                         | COD for Nasukarasuyama Solar GK   |