Recommendations from JCLP and LIXIL Group’s Environmental Activities

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Aiming to be a company can benefit decarbonized society

No. of members: 94 companies  Total revenue: About 76 trillion yen (as of Dec. 2018)
JCLP’s view

The point need for Japan’s long-term strategy

To be understood the seriousness of government to realize decarbonized society, and change the decision of executives or citizens,

it is required to

• specify clear quantitative target (Goal),
• and describe the political framework (pathways)

to achieve the target
Recommendations for Japan’s Long-Term Growth Strategy under the Paris Agreement

We are working together to achieve a zero-carbon economy and the significant growth of decarbonized economy in Japan.

- **Share the sense of urgency of climate change**
  Sharing mind and modify behavior facing to social innovation and lifestyle transition

- **Set a vision to “become a global leader in the decarbonized economy”**
  Realize decarbonized society → Contribute internationally and prosper economy by expand decarbonized business globally

- **Specify the goal**
  Articulate Japan’s goal of zero domestic GHG emissions by 2050

- **Describe the path to the goal**
  Commitment of introducing carbon pricing as well as developing infrastructure through public investment that together prompts the expansion of Japan’s decarbonized market

- **Manage the transition**
  Establish a framework and mechanism to transition entire society smoothly
About LIXIL Group

➢ We produce and provide a broad range of building materials in the all over the world

Corporate information
※ as of March, 2018

Revenue: 1.67 trillion JPY
No. employee: 61,140
(consolidated basis)
No. of sales country: Over 150

➢ Global No.1 brand share of bathroom, sanitary fixture or others
➢ Domestic No.1 brand share of window sash

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LIIXIL
Relation between Japan’s GHG missions reduction target and LIXIL

› Japan’s target: 26% GHG reduction vs. 2013 by 2030

› Most of countries signed Paris Agreement have set each target, decarbonization is no longer a option but became as the “standard” for the business

LIXIL reduces CO2 emission from buildings through our business activities and enhance the sustainability both of global environment and LIXIL’s business.

⇒ We set 2030 vision and target by 2030 (validated by SBT)
Our products will contribute to reduce CO2 emission from house
<Point: Improve efficiency × Change sales distribution ratio>

Energy consumption in house
- Water heater: 31%
- Appliance/Cooking: 26%
- Ventilation: 6%
- Light: 14%
- Air conditioner: 23%

Breakdown of primary energy consumption in house and building
based on Act on the Rational Use of Energy of Japan
(Calculated as 4 people family in Tokyo, 120 sq. m house)

Hands-free Faucet (Kitchen Faucet)
- Energy efficiency
  - Former faucet: 55.3 m³/year
  - Hands-free faucet: 115.3 m³/year
  - 52% increase

Enable to reduce cost about 8900 yen / year

SAMOS X (High efficient hybrid window)
- Insulation improve 30%