

# 脱炭素先行地域に関する取組

## Initiatives for Decarbonization Leading Areas

2022年11月、エネルギー事業者や大学などと共同提案で応募し、都心部を中心に産学官連携による積雪寒冷地のモデルとなる取組を進めていくことが評価され脱炭素先行地域※に選定されました。

※2030年までに電力消費に伴い発生するCO<sub>2</sub>の排出実質ゼロの実現を目指すモデル地域として環境省が2025年までに100か所程度選定予定

In November 2022, Sapporo applied for a joint proposal with energy companies, universities, and other organizations, and was selected as a Decarbonization Leading Area\* in recognition of its efforts to promote model initiatives in snowy and cold regions through industry-academia-government collaboration, mainly in urban centers.

\*The Ministry of the Environment plans to select about 100 regions by 2025 to serve as model regions that aim to achieve net zero CO<sub>2</sub> emissions from electricity consumption by 2030.

共同提案者  
Co-Sponsors

北海道ガス、北海道熱供給公社、北海道電力、北海道大学、ノーステック財団  
Hokkaido Gas, Hokkaido Heat Supply Corporation, Hokkaido Electric Power Company, Hokkaido University, Noastec

### 札幌市のまちづくり Sapporo Urban Development

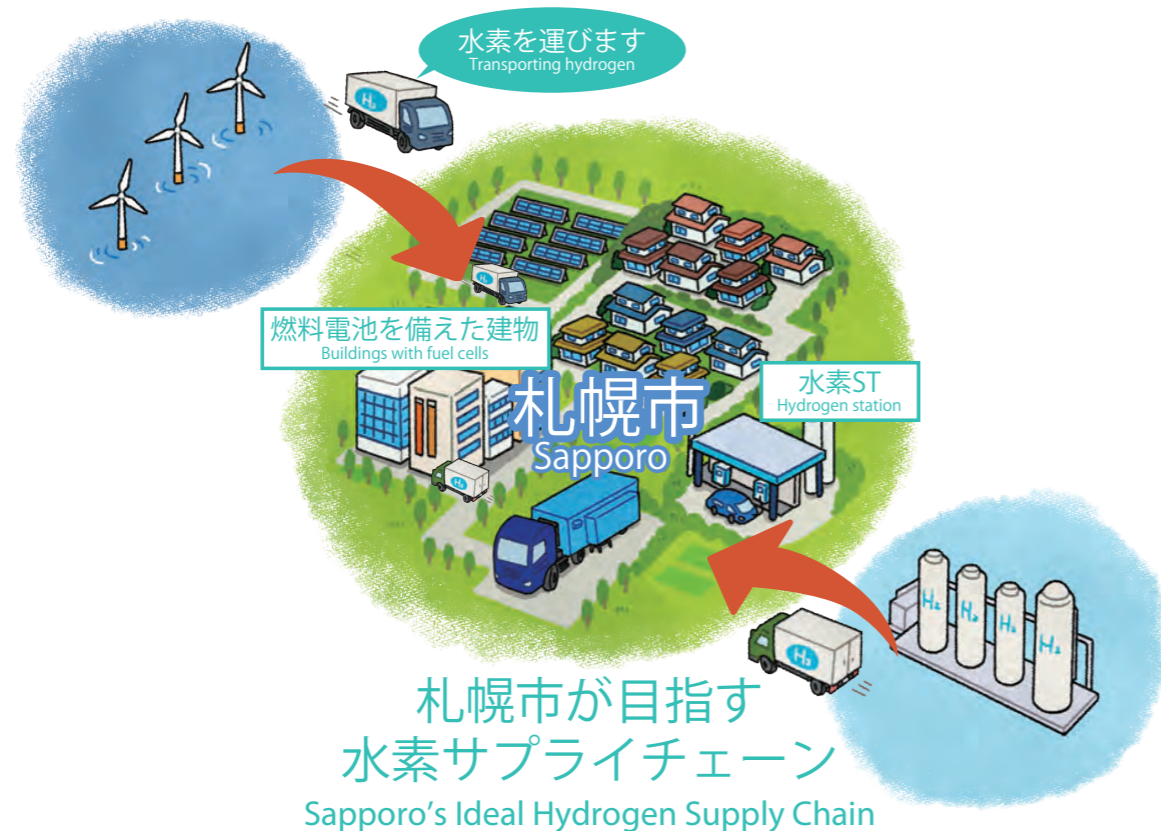
先行地域で培った脱炭素化のノウハウ(寒冷地ZEBなど)を注力  
Focusing on decarbonization expertise (e.g., ZEBs in cold regions) developed in Decarbonization Leading Areas

積雪寒冷地  
モデルとして世界に発信  
Sharing information with the world as a model for snowy and cold regions



- ①札幌都心民間施設群
    - 「札幌都心E!まち開発推進制度」(下記参照)による建物省エネ化や創エネ技術の導入等誘導
    - コージェネレーションシステム等を活用したエネルギーネットワークの整備拡充や地域熱供給の熱源をカーボンニュートラルガスへ切り替えることによる電力・熱の脱炭素化
  - ②水素モデル街区 (下記参照)
  - ③北大北キャンパス
    - 太陽光発電設備、蓄電池導入によるBCP機能を備えたカーボンフリーなエネルギーシステムの構築
  - ④公共施設群
    - 市有施設のZEB化、民間活力の導入など様々な手法による太陽光発電設備の設置、再エネ100%電力の導入
    - 地下鉄からの乗換経路への下水熱ロードヒーティング導入
  - ⑤オリパラ施設群
    - 新築する施設のZEB化、再エネ導入、輸送へのゼロエミッション自動車活用
- |   |  |
|---|--|
| (1) Private Facilities in Downtown Sapporo  | <ul style="list-style-type: none"> <li>•The Downtown Sapporo E! Urban Development Promotion Program (see below) will provide guidance for energy-saving buildings and energy-creating technologies.</li> <li>•Decarbonization of electricity and heat by improving and expanding energy networks utilizing cogeneration systems, etc. and switching the heat source of local heat supply to carbon-neutral gas.</li> </ul> |
| (2) Model Area for Hydrogen Utilization     | (see below)  |
| (3) Hokkaido University North Campus        | •Constructing a carbon-free energy system with BCP functionality by adopting solar power generation equipment and storage batteries.   |
| (4) Public Facilities                       | <ul style="list-style-type: none"> <li>•Conversion of city-owned facilities to ZEBs, installation of solar power generation facilities through various methods including the private sector, and introduction of 100% renewable electricity.</li> <li>•Installation of sewage heat-based road heating on transfer routes from the subway.</li> </ul>   |
| (5) Olympic and Paralympic Facility Complex | •Conversion of new facilities to ZEBs, introduction of renewable electricity, and use of zero-emission vehicles for transportation.  |

### 水素モデル街区 Model Area for Hydrogen Utilization



石狩市の洋上風力の余剰電力や、再エネ由来の電力等を利用して作られた水素を札幌市で供給する「水素サプライチェーン」の検討を進めています。

We are considering a hydrogen supply chain in which hydrogen produced using surplus electricity from offshore wind power in Ishikari City and electricity derived from other renewable energy sources is supplied to Sapporo City.

### 札幌都心E!まち開発推進制度 Downtown Sapporo E! Urban Development Promotion Program

事業者  
Businesses

札幌都心での建物の新築や建替えなど開発計画の早い段階に札幌市と事業者が協議し、都心の「脱炭素化」「強靱化」「快適性向上」につながる取組を誘導するとともに、建物を使用し始めてからのエネルギー消費量など運用実績を札幌市へ報告する制度です。

This is a system which involves consultations between the City of Sapporo and businesses at the early stages of development plans such as new construction or reconstruction of buildings in downtown Sapporo in order to induce initiatives that lead to "decarbonization," "strengthening," and "improving comfort" downtown, as well as to report the results such as energy consumption after the buildings start to be used.



脱炭素化への効果が大きい取組は、容積率緩和等により支援をしています。  
We support initiatives that have a significant effect on decarbonization by offering deregulation of the floor-area ratio and other incentives.



※札幌都心E!まち開発推進制度の詳細については上記二次元コードからご確認ください。  
\* Scan the QR code for details on the Downtown Sapporo E! Urban Development Promotion Program.

