



MANUAL “BEST-PRACTICE”-TOOLS

PROPERTY GROUP LEVEL

Decarbonization requires a multi-level approach, with different tools catering to households, property groups, and municipalities. This flowchart outlines the key tools, financing methods, ownership considerations, and expected impacts at each level. By integrating these tools strategically, decision-makers can drive effective and sustainable climate action. Three different levels have been identified with varying needs of approaches to maximise success.

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UNLOCKING DECARBONIZATION: PROPERTY GROUP LEVEL

Property groups such as housing cooperatives, public building portfolios, and facility managers have significant potential to reduce emissions through coordinated energy management and smart renovation strategies.

At this level, decisions often involve multiple stakeholders and require tools that support data tracking, benchmarking, and long-term planning. By monitoring energy use across building types and identifying inefficiencies, property owners and managers can implement targeted measures that deliver both environmental and financial benefits.

Strategic tools at the property group level bridge the gap between individual behaviour and municipal policy, enabling scalable and sustainable impact across entire building portfolios.

Tools: E-Lighthouse, Esave Bodø, Orkustofnun Korta App

- Goals: Optimise energy efficiency, manage building sustainability
- Financing: Green loans, co-financing, systematic budget inclusion
- Ownership & Data: Property owners manage tools, historic data retention critical
- Impact: Compliance with climate goals, long-term energy saving

E-lighthouse

E-Lighthouse is a digital tool designed to monitor and enhance energy efficiency in public buildings across the Northern Periphery and Arctic region. Developed through cross-border collaboration, it provides real-time insights into energy performance. Used in kindergartens and public kitchens, the tool helped municipalities identify inefficient energy use, improve renovation planning, and set higher sustainability standards. It also supported better procurement decisions through reliable, comparable data. <https://e-lighthouse.interreg-npa.eu>

Esave Bodø

Esave Bodø specialises in smart, sensor-driven lighting systems integrated with IoT solutions. The aim is to reduce urban energy consumption, operational costs, and CO₂ emissions, while increasing safety and adaptability in public spaces. Esave's system has been implemented in Bodø and other cities to modernise urban infrastructure. <https://esave.no>

Orkustofnun Korta App

The Korta app is a web and mobile tool from Iceland that helps households and communities track energy use, water consumption, waste, and mobility. It offers clear insights to support greener lifestyle choices and reduce environmental impact. Used in municipalities like Akureyri, it has proven effective in promoting sustainable habits across schools, housing cooperatives, and public agencies.

Sustainability (Green NPA)

All three tools contribute directly to reducing energy use and environmental impact:

- E-Lighthouse: Identifies high energy consumption in public buildings and supports energy-efficient renovations.
- Esave Bodø: Reduces energy use and CO₂ emissions through smart, demand-based street lighting.
- Korta App: Empowers households and organisations to lower their environmental footprint by tracking energy, water, waste, and mobility habits.

Inclusion (Inclusive NPA)

The tools engage a broad range of users and make climate data accessible:

- E-Lighthouse: Used in schools and kitchens, enabling participation from staff, children, and the public through visible energy data.
- Esave Bodø: Improves accessibility and safety in urban spaces for diverse groups, including the elderly and people with disabilities.
- Korta App: Designed for users of all ages and digital skill levels, with real-time data and intuitive visuals for households, students, and decision-makers.

Gender Equality (Gender-balanced NPA)

The tools support gender balance by promoting inclusive use and shared responsibility:

- E-Lighthouse: Encourages diverse input from users in environments where gendered labour roles may be present, such as schools and kitchens.
- Esave Bodø: Enhances public safety, particularly for women, and benefits from gender-balanced planning and citizen engagement.
- Korta App: Promotes equal access to environmental data and encourages joint climate action within households and communities.

Collaboration & Knowledge Sharing

Successful decarbonization requires joint efforts between policymakers, businesses, and communities. Combining tools at different levels enhances efficiency and accelerates the transition toward a sustainable future.

In the NPA – Hybes project Work Package 2.2 is an effort to combine and share knowledge of different types of decarbonization tools on international scale and more detailed information can be found in the report “WP 2.2 “Best Practise” Tools”.