Oslo’s work on Circular ICT-Procurement

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Agenda

1. Politically adopted strategies and goals
2. Strategy for the ICT-category
3. Capacity building and guidance
4. Examples
5. Summary and questions
1. Politically adopted strategies
Important to work actively to promote circular economy and contribute to reduced and sustainable consumption
High ambitions for purchasing power

Sub-goal 2: Oslo Municipality’s procurements will make Oslo a greener city.

Municipal purchasing power will be used as a strategic tool in climate and environmental policy. Set increasingly stringent climate and environmental requirements.

Oslo is reducing its climate and environmental footprint through a sustainable and reduced material consumption.

1. Oslo’s greenhouse gas emissions in 2030 have been reduced by 95 per cent compared with 2009.

5. Oslo’s contribution to greenhouse gas emissions outside the municipality is significantly lower in 2030 than in 2020.
Circular economy in Oslo’s procurement should contribute to:

- That internal reuse through upgrading, repair and improvement of existing equipment and materials is prioritized
- That used products and products based on reuse are prioritized before new purchases
- Increased use of pilot collaboration and innovative procurement for testing circular solutions such as sharing and rental (joint use)
- That smaller and local suppliers are opened up in the competition, and that work training and inclusion are requested where appropriate.
- That products designed for long duration, repair, reuse and recycling are given priority
- That products with the lowest climate and environmental footprint and resource use throughout their lifetime are given priority
2. Capacity building and guidance
Sirkulær økonomi i anskaffelser

Forbruk har store konsekvenser for miljø og klima, med uttak av naturressurser, energibruk og utslipp. Det er derfor viktig å jobbe aktivt med å fremme sirkulær økonomi og å bidra til redusert og bærekraftig forbruk gjennom anskaffelser.

Relaterte artikler
- Anskaffelsesstrategi
- Handlingsplan mot plast og marin forøpning
- Klimastrategi

Relaterte lenker
- anskaffelser.no (difi)
- Regjeringens veileder til reglene om offentlige anskaffelser

Viktige datoer
- Søk i aktivitet
- Konseminkjøp
Approach to circular economy in the planning phase:

1. **Reassess the need in the needs assessment** – is there a need for new purchases or can the need be covered in an alternative way?

   *When new purchases are needed, research what requirements you can set to ensure that you:*

2. **Demand for sustainable products adapted to a circular economy** – environmentally friendly solutions that are suitable to meet the need and last a long time.

   *If you are replacing existing equipment and materials, you should investigate how to avoid waste:*

3. **Check if your surplus equipment can be reused internally in the municipality or through the market** – avoid throwing things away with the residual function and make sure that material is recycled if re-use is not possible.

   *Assess how you can prepare the market for increasingly stringent climate and environmental requirements in line with the municipality’s objectives:*

4. **Prepare the market for future requirements** – What requirements should suppliers be able to meet at the next competition?
3. Strategy for the ICT-category
How to support circular procurement in this process?

- Identify current consumption pattern
  - Which products do we consume?
  - How do we consume (new products, used products, repair, reuse, share ...)
  - Identify which part of the city that consume what and which agreements should be in focus

- Identify potential for new consumption patterns to support sustainable and reduced consumption
  - Room for maneuver for changing consumption in existing agreements - what can we do today?
  - Need for new contracts to support new consumption patterns?
  - Different requirements to support new consumption?
  - Needs assessment seen in the context of new ambitions
What do we consume today?

- Skrivere
- Servere
- Multifunksjonsmaskiner
- Nettverkskabling
- Telefoni
- Mobiltelefon
- AV-utstyr
- iPad og Mac
- Nettverksutstyr
- PC-er, tynnklenter og skjermer

**Kontraktsverdi i millioner NOK**

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<th>Item</th>
<th>Forventet årlig omsetning</th>
<th>Estimert kontraktsverdi</th>
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<tr>
<td>Skrivere</td>
<td>9 120 000</td>
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Overview of ICT-contracts

Zero-emission and biogas vehicles on all deliveries to Oslo Municipality by 2025
How support circular economy, sustainable and reduced consumption through ICT-procurement in the city?

- Identify potential for increased internal reuse and increase use-time for devices in the municipality
- Identify potential for increased repair, upgrades and refabrication of ICT-equipment to increase use-time in the municipality
- Identify potential user-group with needs that are likely to be met by used equipment for the market when internal reuse are not able to meet the need
- Consider needs that can be met by sharing or rental instead of owning equipment (product-service agreements or similar)
- Buy new sustainable products designed for circular economy
- Make available or sell used equipment to public, private or non-profit actors
  - Need for agreement for reuse- and recycling services
4. Examples from our ICT-procurement
Collection and reuse of ICT-equipment in the city of Oslo

- Collaboration agreement with work training company, started in 2016
- Example: 80% of collected computers (2016-2020) was sold for reuse.
- Example: 3,030 telephones collected (2016-2020) and approx. 25% resold for reuse.
- Positive effects: keeps the materials in the loop, environmental and social benefits.
Fair and circular smartphones by 2025

Nine points that represent the cities’ common ambitions towards 2025.

• Important with collaboration – global and complex value-chains in ICT

Current consumption (April 2019 to November 2020): 12,500 telephones

• These phones were delivered emission-free (from the distributor to the municipality’s businesses)
• With the option to order pre-assembled with screen protection and cover. The latter so that accidents and minor damage do not result in a short service life for an otherwise high-quality phone.

The mobile phone agreement includes both a warranty agreement that obliges the supplier to cover all costs of complaints, and a return agreement where the supplier must, on request, pick up discarded equipment for proper destruction and reuse.

Circular use of telephones

• Use the phone for as long as possible
• Take care of your phone with a cover and screen protector
• Ensure that the phone is reused when it no longer covers your needs, use the municipality’s return agreement
• Remember to return the phone to factory settings and avoid leaving phones in drawers and cabinets at home

19.05.2021
IPad (tablets)

- Buy-back agreement: The supplier is required to buy-back iPads if the city wants to sell them back after 3 or 4 years.
  - The condition of the equipment (for example broken screen) will influence the price of buy-back

- iPads used in schools – increased risk of crushing and broken screen
  - Experience that broken screen can reduce the «use time» of iPads → included price of repairing screens as part of the price evaluation in the procurement

- Zero emission deliveries (last mile and second last mile)

- Experience: so fare we see that it is unclear for the supplier if the repair-agreement include all the city’s iPads or only the iPads bought on the current agreement.
Computer and screens

- Used equipment is exempted from the agreement for new ICT-equipment

- Stringent requirements for high quality, design for long lifetime, design for duration and sustainability
  - Used DFØ’s recommended requirements for sustainable ICT-procurement to reach ambition that new products should cover the city’s needs, be designed for long lifetime and represent god and environmentally friendly solutions.

- Long warranty

- New screens reduce the need for docking-stations and cables
  - Cables – high consumption – assumes high potential for reuse

- Zero emission deliveries (last mile)
5. Summary and questions
Summary

- Politically adopted strategies
- Capacity building
- ICT-category including actions for circular procurement as a tool for sustainable and reduced consumption
  - Supplier dialogue
- Measure impacts and effects
Questions?

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Agency for Improvement and Development