



Nordic Green to Scale – Low-Carbon Success Stories to Inspire the World

 Nordic Council
of Ministers

SITRA

#GreenToScale

How far can we go with what we already have?



How much can we reduce emissions globally if comparable countries achieve by 2030 what some have already achieved today?



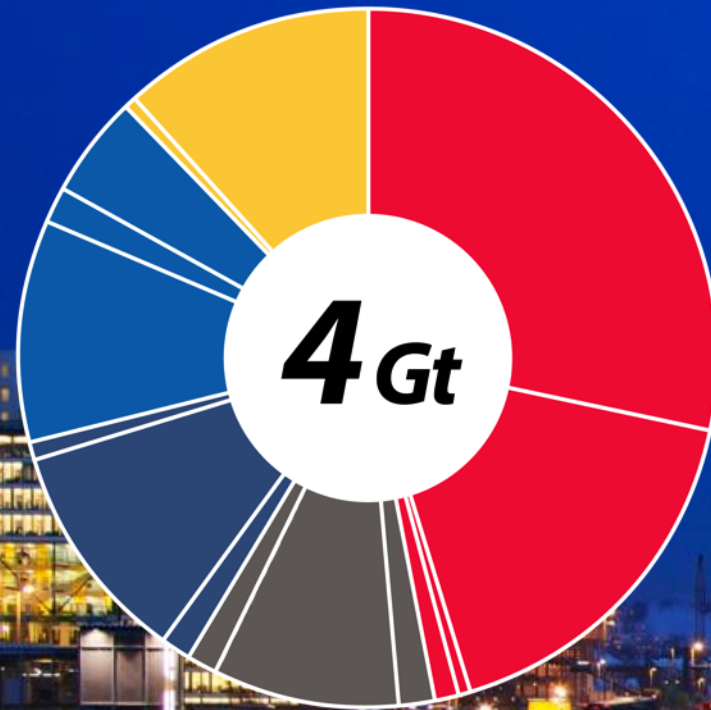
Existing solutions have vast & cheap potential



- Existing solutions can cut emissions significantly
 - Just 17 solutions can cut emissions by 1/4 in 2030
 - 15 Nordic solutions could cut emissions by as much as the EU produces
- Scaling up solutions is affordable
- Climate solutions provide various co-benefits to people and the environment
- Results in two reports available at www.greentoscale.net

Scale-up potential of 15 Nordic solutions equal to current EU emissions

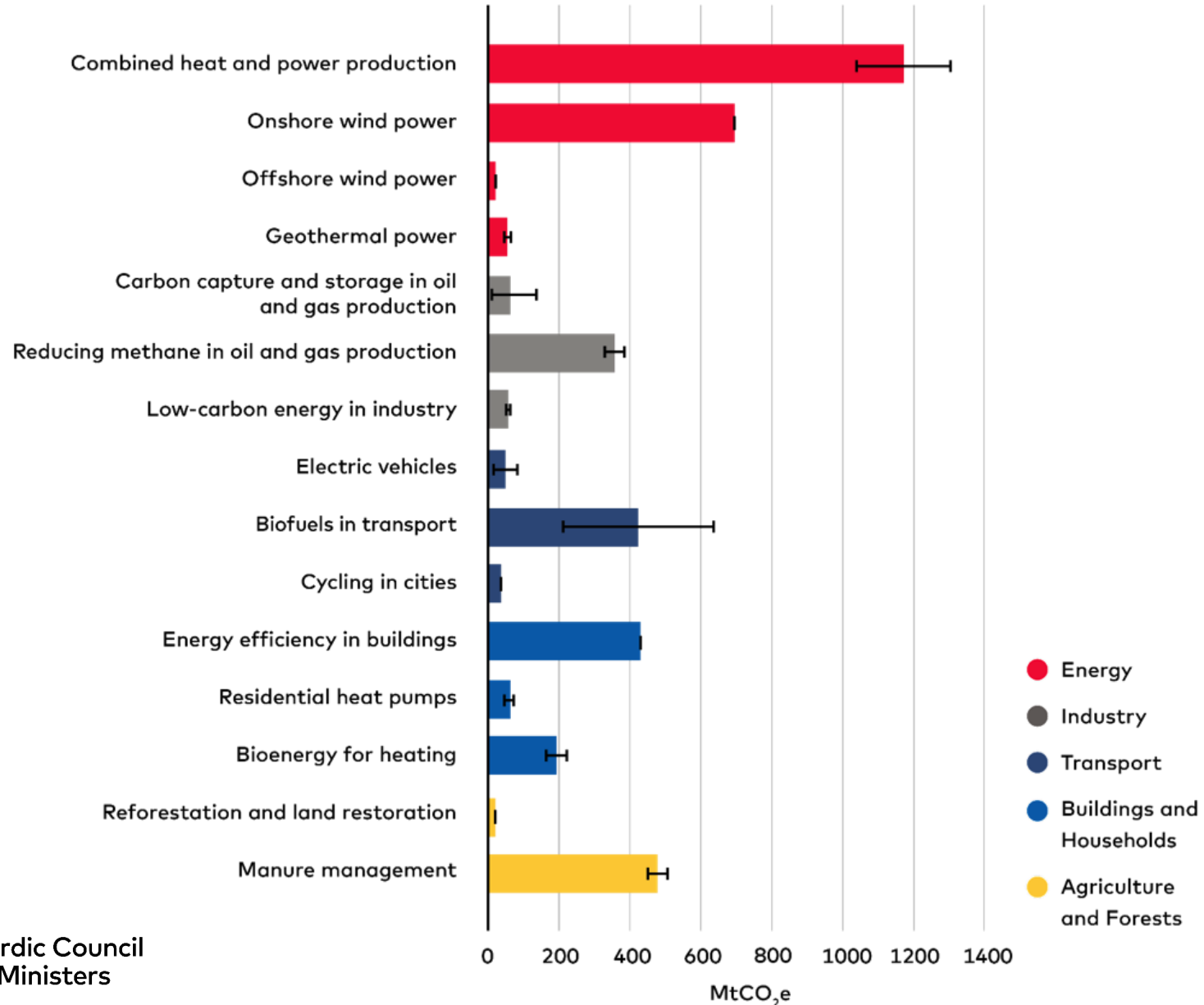
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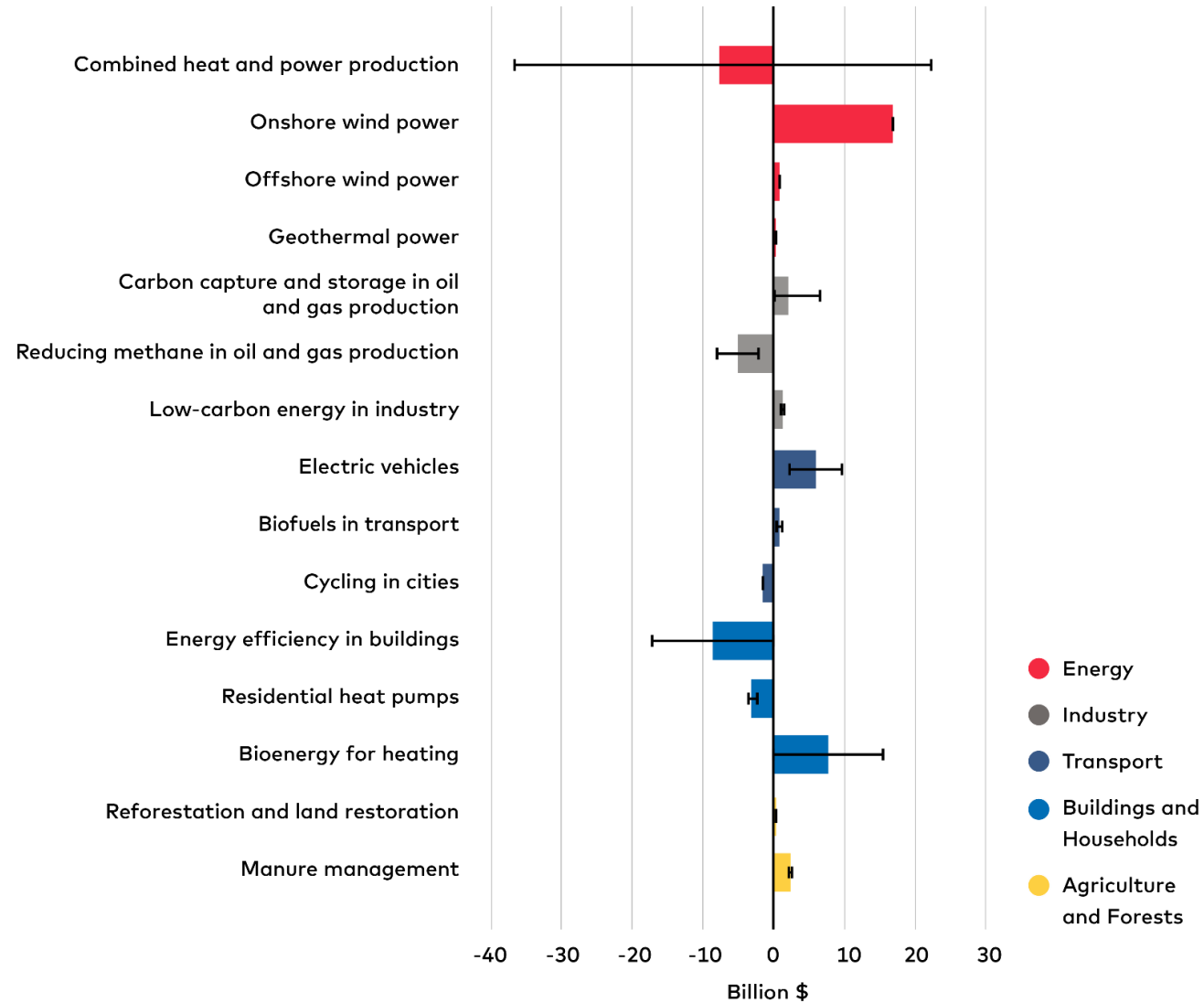
- Energy (4)
- Industry (3)
- Transport (3)
- Buildings and Households (3)
- Agriculture and Forests (2)

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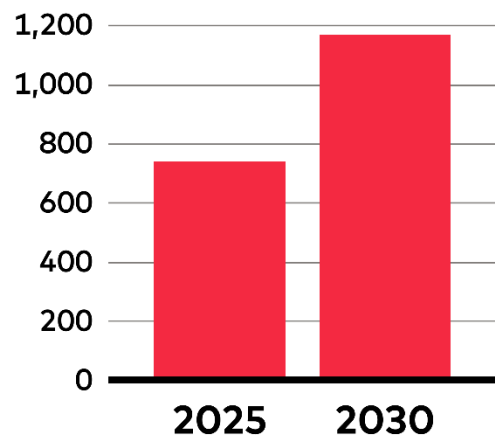
Wide range of solutions in all key sectors



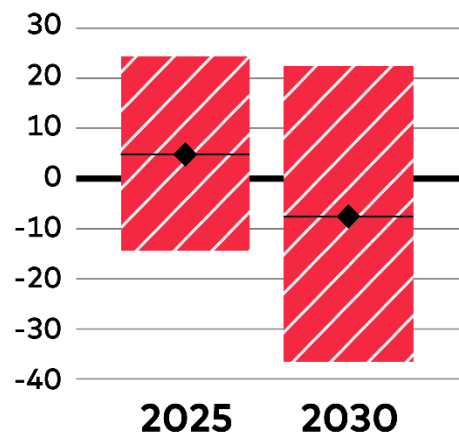
Some solutions actually save money



Combined heat and power production, DK&FI



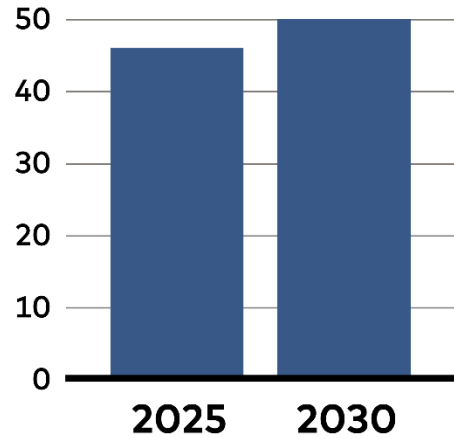
Emissions reduction potential
1,171
MtCO₂e/year



Total abatement costs
-7.7
billion \$



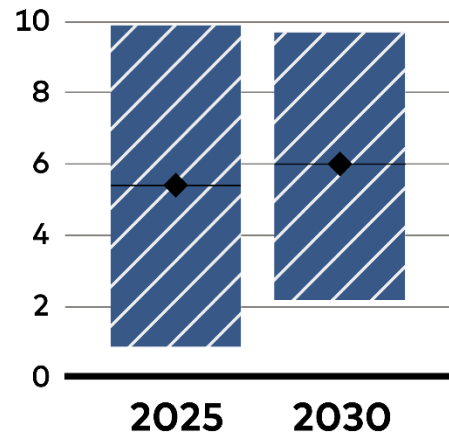
Electric vehicles, Norway



Emissions reduction potential

50

MtCO₂e/year



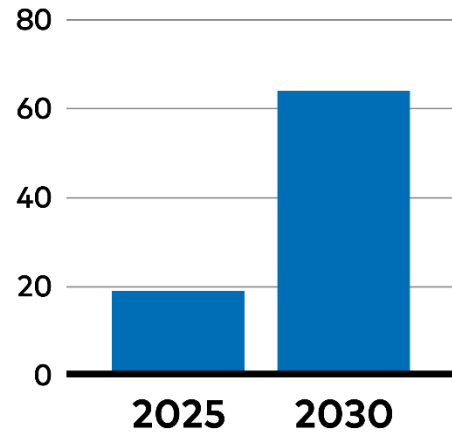
Total abatement costs

6.0

billion \$



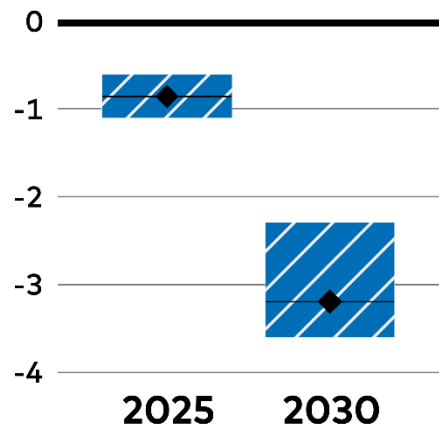
Residential heat pumps, Sweden



Emissions reduction potential

64

MtCO₂e/year



Total abatement costs

-3.2

billion \$



Conclusions: existing solutions can take us far



1. Wide range of proven and attractive low-carbon solutions available
2. Scaling up existing solutions would cut global emissions significantly
3. Solutions would be affordable and deliver many co-benefits
4. Various barriers slow down deployment but countries can learn from the successes in removing barriers



What next?



- Next analysis phase currently being developed
- Focus on select target countries or regions (potentially e.g. CEE)
- Aim to bring analysis to a step closer to directly enabling implementation – goal is to support target countries reach and exceed their climate targets
- Full release scheduled for Q1/2018
- Local partners and their expertise needed



Thank you

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