SCA Renewable Energy Mikael Källgren



Net Zero policy will shape demand for renewables

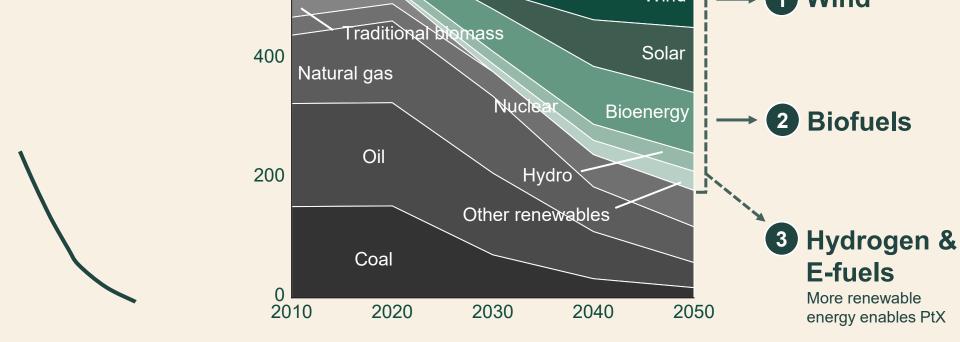
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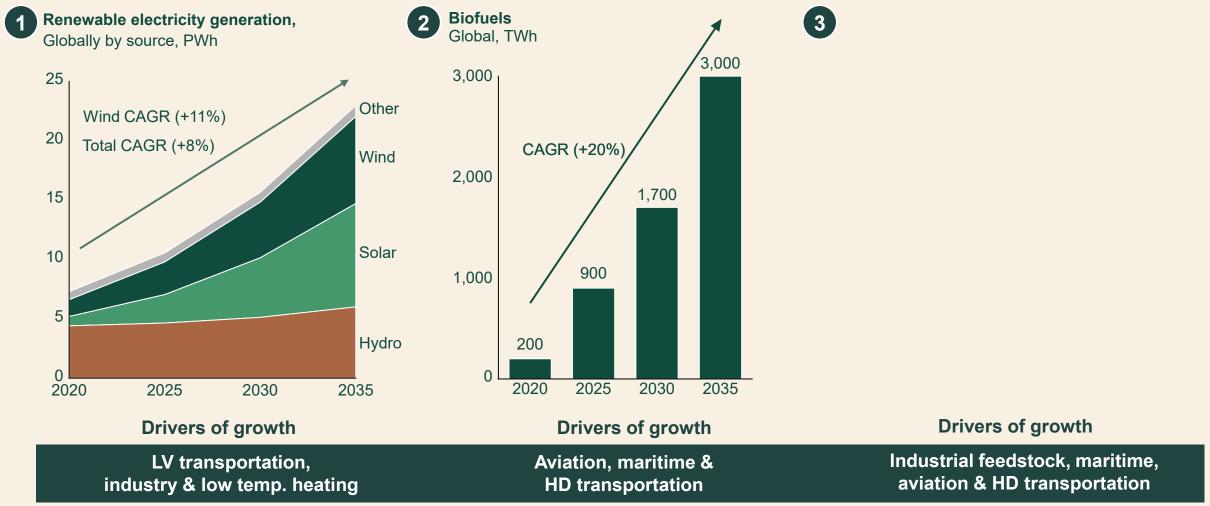
Global CO₂ emissions pathways to Net Zero

Global energy supply towards Net Zero

SCA has competitive advantages in...



Renewable demand is growing significantly



SCA uniquely positioned to capitalize on transformation towards renewables



Wind power



Biofuels



E-fuels



Ownership of land with good wind conditions

Access to sustainable biomass feedstock

Access to low-cost renewable energy

Current land lease agreements

Existing infrastructure

Access to biogenic CO2

Experience from codeveloping ~10 projects

Relation to key technology suppliers and partners

Competences from running large scale processing plants



20% of Swedish wind power on SCA land



Entering 100kt liquid bio JV with St1



Future project opportunities at all of our mills

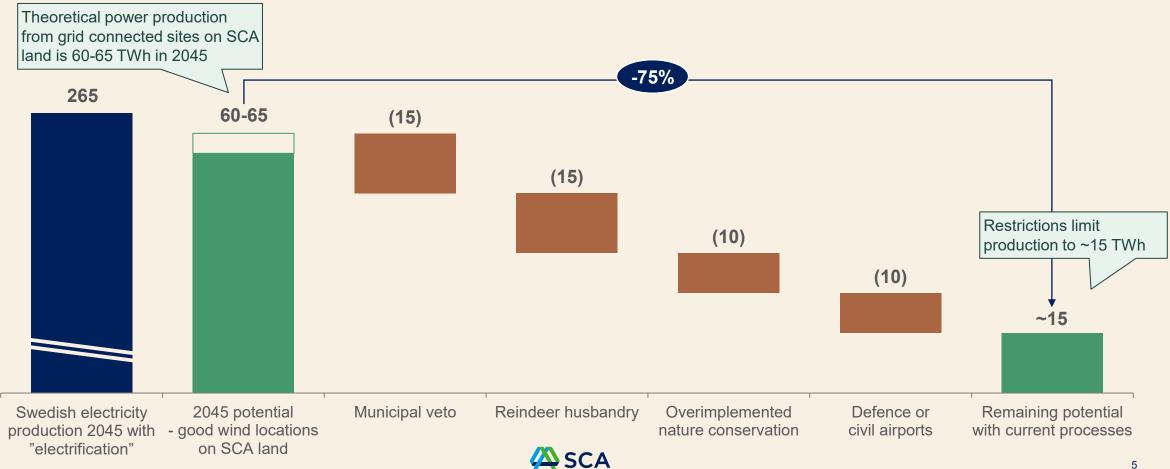




65 TWh full potential is restricted by legislations

Changes in policies will increase SCA's potential revenues and profitability substantially

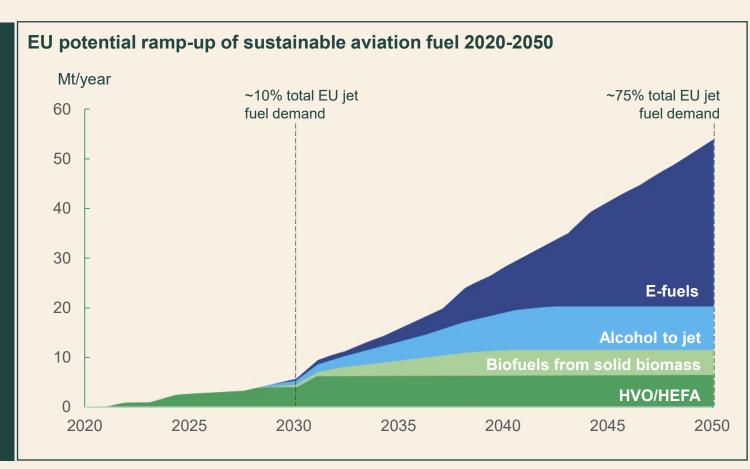




Source: SCA; Bain-analys; Energimyndigheten

The market for renewable fuels is expected to grow

- The greenhouse gas reduction quotas will increase as Europe redirects
- The available biomass will not be sufficient
- Access to renewable carbon dioxide and renewable electricity will be crucial





SCA and St1 creating two companies

- from forest to fuel station

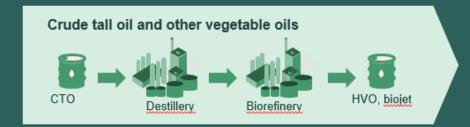




Gothenburg Biorefinery

St1 is constructing a biorefinery in connection with its oil refinery area in Gothenburg

- Expected to be completed during 2023 and production to start in Q4
- Flexible design allowing the use of a wide range of feedstocks with a yearly capacity of 200 kt (SCA share 50 kt)
- Capable of meeting current and future specifications of the renewable fuels to be produced, which include HVO diesel, jet fuel, and naphtha



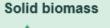




Östrand Biorefinery

Development company

- Next to Östrand pulp mill
- · Land reclamation started
- Sustainable feed stocks and energy available
- Environmental permit received to build a biorefinery at the Östrand pulp mill
- 300,000 tonnes capacity
- Finalizing design phase









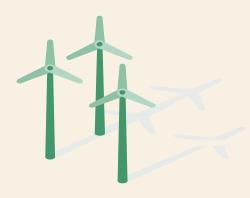




Long term option of large scale E-fuel production and new value chain from renewable power

/ ILLUSTRATIVE OPTION

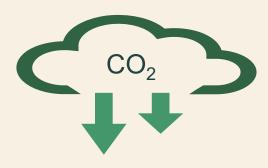
POWER PRODUCTION



Access to renewable power at low cost

Ensure competitive production cost for own wind farms

BIOGENIC CO2



3 Mt biogenic CO2 is available on existing sites

Enables production of biobased Efuel and increased climate benefit

E-FUELS



Potential for ~800 000 t E-fuels yearly

Gives locked-up Nordic electricity access to a growing, global market

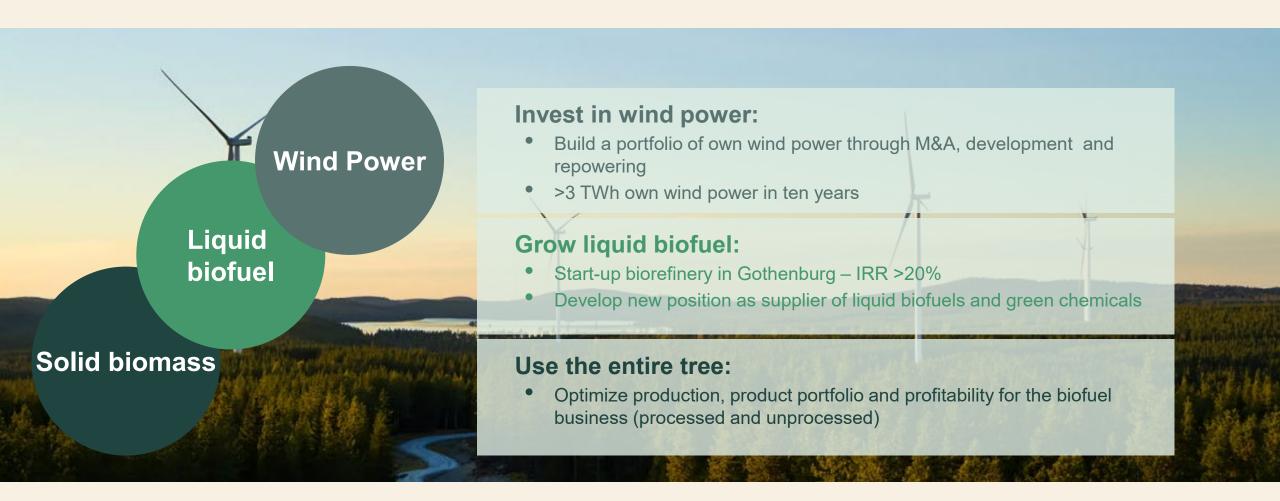


Contribution to

Position of SCA



Summary





SCA har potential att bidra med en stor andel av behovet

20% av svensk vindkraft finns på SCAs mark - tar position som producent SCA investerar i biodrivmedel från tallolja och utvecklar biodrivmedel och elektrobränslen

SCAs värdekedja och mark har potential att bidra med:

- >65 TWh vindkraft på egen mark
- >300 000 m3 biodrivmedel
- >500 000 m3 elektrobränslen

Politiken helt avgörande

- Skapa verkliga incitament för de kommuner som beviljar vindkraft (inte straffa de som vill investera)
- Ta hänsyn till vindkraftens betydelse för Sverige vid tillståndsprövning och inför separat prövning vid repowering av befintliga vindparker
- Stabila villkor avseende inblandningskrav i Sverige och inom EU
- RED annex 9A säkerställ stark ställning för skogsbaserade råvaror
- Styr mot CCU och inte CCS biogen CO2 är en förnybar råvara



