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Scenarios and Barriers – A Danish Social Model for California’s 100% Renewable Transition

Public Comment – SB 100 Joint Agency Report

My name is Kristian Sandberg, a private citizen from Denmark.

Attached is a document titled Scenarios and Barriers – A Danish Social Model for California’s 100% Renewable Transition.

The paper presents a realistic, people-centered path for California to reach 100% renewable electricity by 2045 while improving social equality and public health.

It includes:

- Solar panels for low-income neighborhoods to reduce household electricity costs and create local jobs.
- Re-use of inactive offshore oil platforms for offshore wind generation.
- Land-based hydrogen electrolysis with underground storage for safety.
- Gradual, fair tax reform to fund education, healthcare, and the green transition.
- Free or low-cost technical education to build a skilled workforce.
- State ownership of hospitals to lower surgery costs and ensure equal access.
- Solar integration in all new housing construction.

The approach draws from Danish experience, where taxation, education, and public ownership create long-term economic balance and social stability.

Respectfully submitted,
Kristian Sandberg
Private Citizen, Denmark

Additional submitted attachment is included below.

Scenarios and Barriers

A Danish Social Model for California's 100% Renewable Transition

Submitted by: Kristian Sandberg
Private Citizen, Denmark
October 2025

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Why California

California continues to lead on renewable energy and climate policy even when federal administrations hesitate or oppose such efforts. This proposal is directed to California because the state consistently defends clean-energy progress, social equity, and environmental responsibility. California's independence, size, and economic power make it uniquely capable of setting a global example, much as Denmark once did in Europe.

Solar Power in Low-Income Neighborhoods

Solar panels should be installed on homes in low-income neighborhoods to lower household electricity costs and create thousands of local jobs. This citizen-first approach ensures families benefit directly from the energy transition rather than large corporations.

Inactive Offshore Oil Platforms Converted to Wind Power

Only inactive offshore oil platforms should be reused for wind turbines. Active or federally owned platforms remain untouched. These structures can safely host wind turbines or serve as energy hubs, reducing decommissioning costs and providing clean power to coastal communities.

Land-Based Electrolysis and Underground Hydrogen Storage

Hydrogen electrolysis must take place on land, not offshore. Land-based plants allow strict safety control and use underground reinforced tanks or natural caverns for storage. Any pressure or ignition event remains contained below ground, protecting workers and industry.

Tax Reform as the Financial Core

A gradual, fair tax increase will fund the transition. Higher but balanced taxes finance education, healthcare, and renewable infrastructure while avoiding sudden economic shocks. Taxation becomes the key that unlocks equal access to opportunity and stable growth.

Education and Workforce Development

California is vast and requires a large, skilled workforce. Training must be low-cost or free so every citizen can join the green economy. Needed professions include electricians, mechanical and hydraulic technicians, energy and environmental engineers, hydrogen and electrolysis specialists, healthcare professionals, and teachers.

Public Ownership of Hospitals

Nearly all hospitals in California are privately owned, making operations costly. The State of California should gradually own and manage hospitals as public institutions, lowering surgical costs and ensuring equal healthcare access.

Solar Integration in New Housing

Newly built homes should include rooftop solar as standard. While it increases construction costs slightly, long-term electricity savings far outweigh the expense. Every new home becomes a small power plant, strengthening local energy independence.

Conclusion

The Danish model shows that renewable energy, fair taxation, and universal education can coexist. California can adapt these principles to its own scale and lead the world by example—achieving 100% renewable power with social balance and economic fairness.