



Making Civic Energy Work

# Selected business aspects of sustainable energy transition

NSRC 2019: Business Aspects of Climate Change Workshop

Gerard McGovern

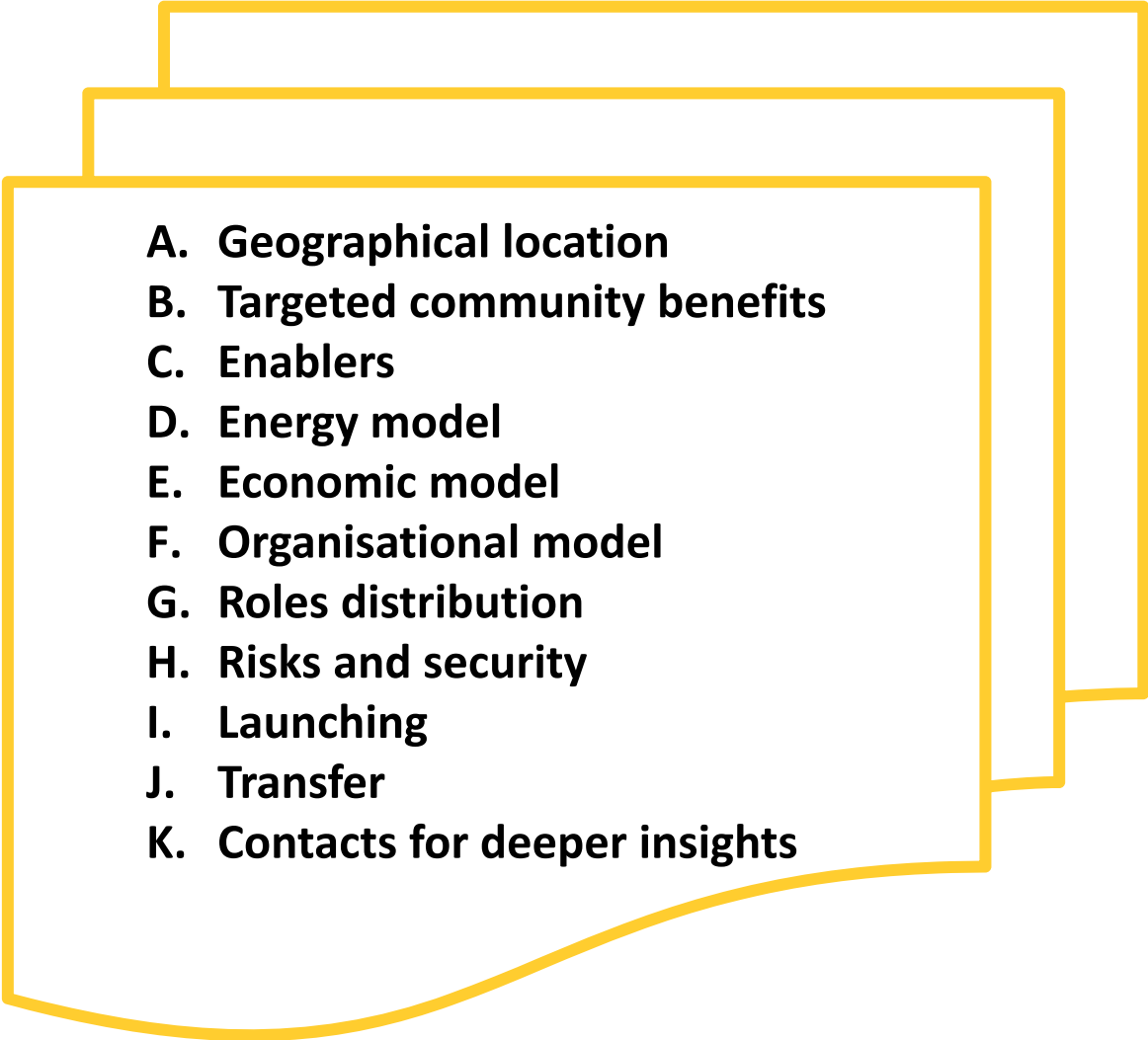
COMMUNITY BENEFITS  
REGIONAL POLICY  
LOCAL VALUE CHAINS  
ØSTFOLD  
INFRASTRUCTURE  
CLIMATE ACTION  
EMMEN  
HIGHLANDS & ISLANDS  
EAST FLANDERS  
RINGKØBING-SKJERN  
BUSINESS MODEL BLUEPRINTS  
OSNABRÜCK  
COMMUNITY ENERGY CONSORTIUMS  
LOW-CARBON ECONOMY  
ENERGY TRANSITION  
PROSUMERS  
CIVIC ENERGY  
NORTH SEA REGION

# COBEN

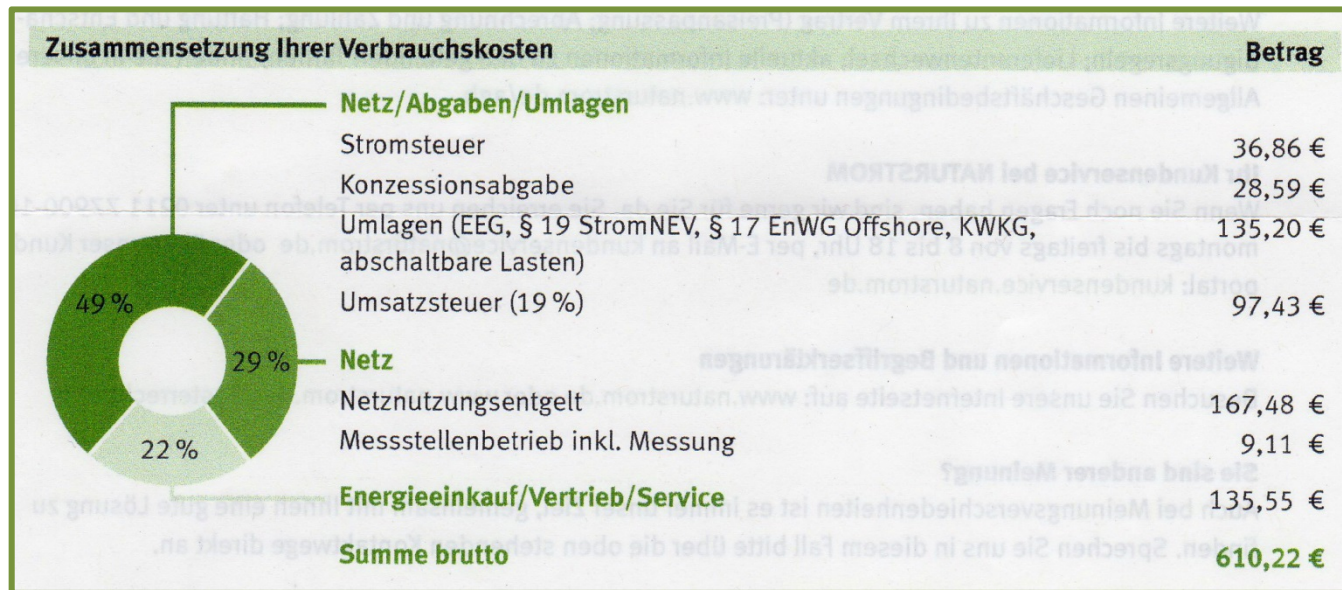
## The COBEN Business Logic

1. Key promoters of sustainable renewable energy are communities.
2. The drivers of civic energy are benefits to the community.
3. Classic energy business models deliver RoI/dividends to shareholders.
4. Good Civic Energy business models deliver community benefits.

# COBEN Business Model Framework

- 
- A. Geographical location**
  - B. Targeted community benefits**
  - C. Enablers**
  - D. Energy model**
  - E. Economic model**
  - F. Organisational model**
  - G. Roles distribution**
  - H. Risks and security**
  - I. Launching**
  - J. Transfer**
  - K. Contacts for deeper insights**

# Challenges facing civic energy



**60% - 70%  
system costs**

**Decentralised energy is still paying the bill for big centralized energy!**

## Challenges facing energy transition

Achieving the 2030 targets and replacing existing infrastructure will require investments of roughly **1,081 billion euros a year between 2021 and 2030.**

This is 37% higher than in 2015 and 20% higher than would be needed under current policies.

European Energy Transition 2030: The Big Picture, Agora (2019), based on Commission modelling for the Clean Energy Package

- > New Commission budget still to be negotiated
- > Budgeting of energy transition costs largely restricted to compensation payments to dirty energy.

## Community Best Practice

**> 12 Civic Energy Business models completed**

**> Municipality of Emmen, NL: Spatial Planning Directive**

20% community ownership (700.000 EUR) of solar energy implemented.

## Scale-up recommendations

1. Increase mobilization of citizens and communities as energy system owners.
2. Fully transpose the Clean Energy Package including a level playing field for citizen energy initiatives.
3. Enforce transparency of system costs.
4. Re-root energy value chains in local and regional economies