Realising Hydrogen?
The vision and policy of Governor Schwarzenegger

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The vision of hydrogen energy

(Midili et al, 2005)
Research Design

Context

Performativity of the hydrogen energy LTV

The hydrogen economy LTV
(framing)

US Federal policy
(sharing and guiding)

Californian policy
(sharing and guiding)

Pioneering projects
(guiding)
The hydrogen economy

(Lessing, 1972)
Focus hydrogen vision in 2000s

(http://alternativefuels.about.com)
Bush (2003): "With a new national commitment, our scientists and engineers will overcome obstacles to taking these cars from laboratory to showroom, so that the first car driven by a child born today could be powered by hydrogen, and pollution-free”

Schwarzenegger (2004): “Build a network of hydrogen fueling stations along these roadways and in the urban centers that they connect, so that by 2010, every Californian will have access to hydrogen fuel”
The commitment of Governor Schwarzenegger

Context:
• General hydrogen enthusiasm
• California leading position H2 and Fuel cells
• Attract Federal investments
• Continue lifestyle

Solve problems:
• Air quality problems
• Reduce health care costs
• Strengthen the economy
• Energy independence
California Hydrogen Highway Network

(Blueprint plan, 2004)
Hydrogen fueling stations in California

Hydrogen fueling stations in California
(March 2004)
Hydrogen fueling stations in California
Hydrogen becomes a red flag

• Increasingly difficult relation with the Legislature
  • Language, Stalemate, Vetoing
  • Hydrogen removed from budget

To the Members of the California State Assembly:

I am returning Assembly Bill 1176 without my signature.

For some time now I have lamented the fact that major issues are overlooked while many unnecessary bills come to me for consideration. Water reform, prison reform, and health care are major issues my Administration has brought to the table, but the Legislature just kicks the can down the alley.

Yet another legislative year has come and gone without the major reforms Californians overwhelmingly deserve. In light of this, and after careful consideration, I believe it is unnecessary to sign this measure at this time.

Sincerely,

Arnold Schwarzenegger
Hydrogen becomes a red flag

- Increasingly difficult relation with the Legislature
  - Language, Stalemate, Vetoing
  - Hydrogen removed from budget

- Schwarzenegger continues to support hydrogen
  - Hydrogen in budget as part of final negotiations
    - $6.5 annually

“His commitment really stimulated hydrogen development but at the same time the program became a lightning rod, a target for the dysfunctional relationship between the Governor and the Legislator.” (Dunwoody, 2010)
Abandonment of the hydrogen policy vision

- Alternative and renewable fuel portfolio program
- Approximately $100 million annually
- Jurisdiction from CARB to CEC
- Active hydrogen community
- Increased hydrogen support
Conclusion

• Positive and negative performativity
  • Limited additional funding
  • Name and image of Schwarzenegger
• Vision can become a political target
• Abandonment and continued support
• Importance hydrogen community
Thank you.

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Important hydrogen visions (2007)

(McDowall and Eames, 2007)
Conclusies over LTVs

• Kunnen performatief zijn
• Positieve en Negatieve uitwerking
• Reizen door tijd, ruimte en actorgroepen
• Reflectie noodzakelijk
Eigenschappen van LTVs

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