

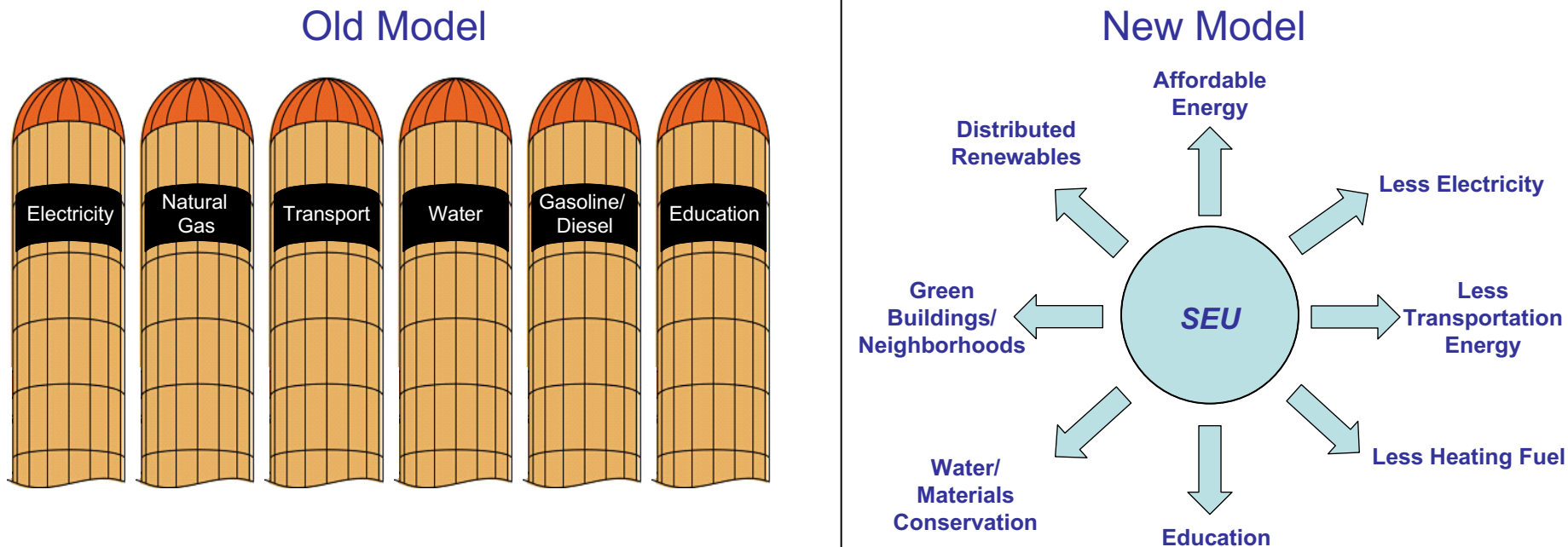
# The Sustainable Energy Utility (SEU): An Overview

Manu V. Mathai  
Azim Premji University  
Bangalore, India

# Delaware SEU: Our Nations *First* Demand Reduction Utility

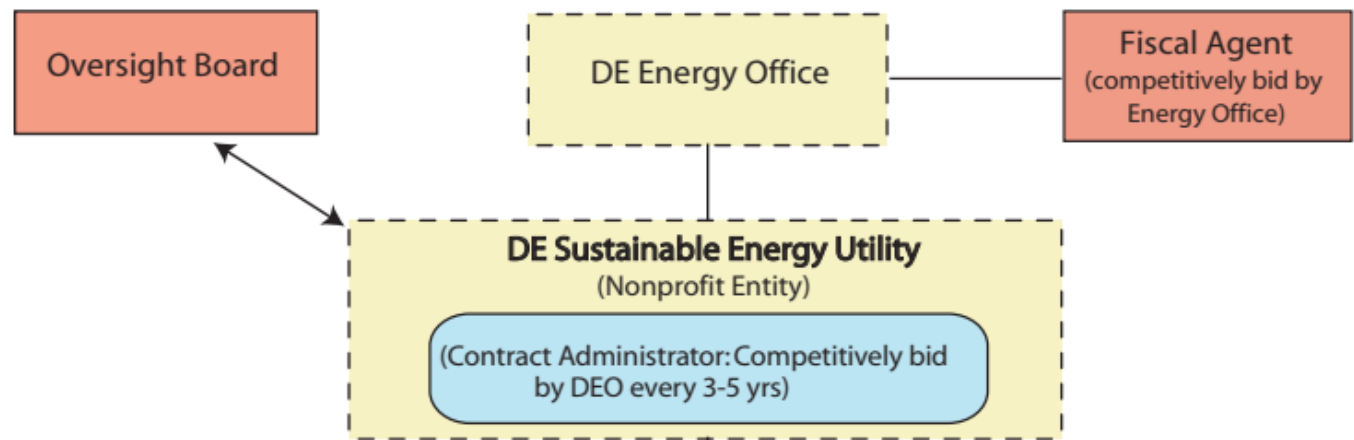
The SEU is a new utility serving the interests of community sustainability. It can partner with existing utilities while building and investing in a comprehensive sustainable energy infrastructure.

- SEU was established by the State of Delaware on June 28, 2007 to:
  - Promote, provide and invest in Energy Efficiency Services – **Legislated Target: 30% Reduction in Energy Use by 2020** (for participants)
  - Promote, provide and invest in increased deployment of Distributed Renewable Generation – **Legislated Target: 10-20% of Electricity Sales from Distributed Renewables by 2020**
- SEU exists as a public/private partnership combining the best of both worlds
  - SEU is organized as a non-profit tax-exempt 501(c)(4) organization
  - Day to day operations are conducted by for-profit companies, non-profits & others specializing in the energy sector
  - Eliminates silos and provides solutions throughout the energy spectrum

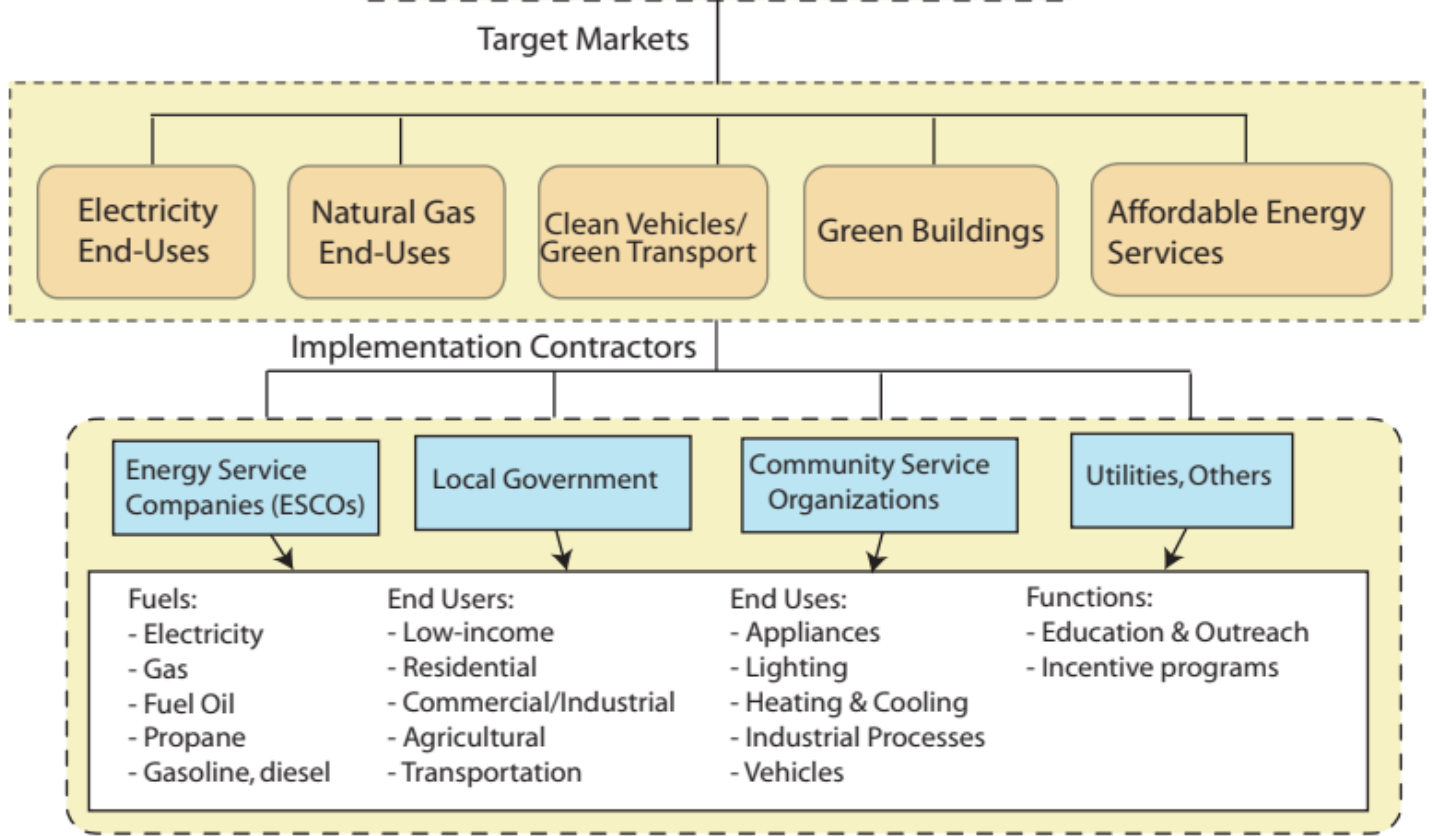


# Delaware SEU Framework

Strategic Management & Policy Functions



Operations and Implementation Functions



# Energy Efficiency & Distributed Renewables Financing Strategy

	Efficiency Vermont	Cambridge Energy Alliance	Waterford School District (Michigan)	Delaware Sustainable Energy Utility
Organization Type	Independent Nonprofit	Independent Nonprofit	Municipality	Nonprofit 501c(4)
Funding Strategy	Grants	Loans-Revolving Fund	Municipal Bonds	Shared Savings Agreement
Funding Sources	System Benefit Charge	Private Investment	Tax-Exempt Bond	Municipal Bonds, RECs, Shared Savings, RGGI
Program Participants				
MUSH	✓	✓	✓	✓
Industrial	✓	✓		✓
Commercial	✓	✓		✓
Residential	✓	✓		✓
Program Targets				
Energy Efficiency	✓	✓	✓	✓
Distributed REs	✓	✓		✓
Transport				✓
All Fuels				✓
Size	\$40 mm	\$100 mm	\$12 mm	\$100 mm
Scalable (size)	No	Somewhat	Yes	Yes

# **Elements of an Alternative to Nuclear Power as a Response to the Energy-Environment Crisis in India**

## **Development as Freedom and a Sustainable Energy Utility**

Manu V. Mathai

*Center for Energy and Environmental Policy, University of Delaware*

**Bulletin of Science,  
Technology & Society**  
Volume 29 Number 2  
April 2009 139-150  
© 2009 SAGE Publications  
10.1177/0270467608331185  
<http://bsts.sagepub.com>  
hosted at  
<http://online.sagepub.com>

## **Chapter 6 Towards a Sustainable Synergy: End-Use Energy Planning, *Development as Freedom*, Inclusive Institutions and Democratic Technics**

**Manu V. Mathai**

I. Oosterlaken and J. van den Hoven (Eds.). 2012. *The Capability Approach, Technology and Design*, Philosophy of Engineering and Technology Vol. 5, DOI 10.1007/978-94-007-3879-9\_6.