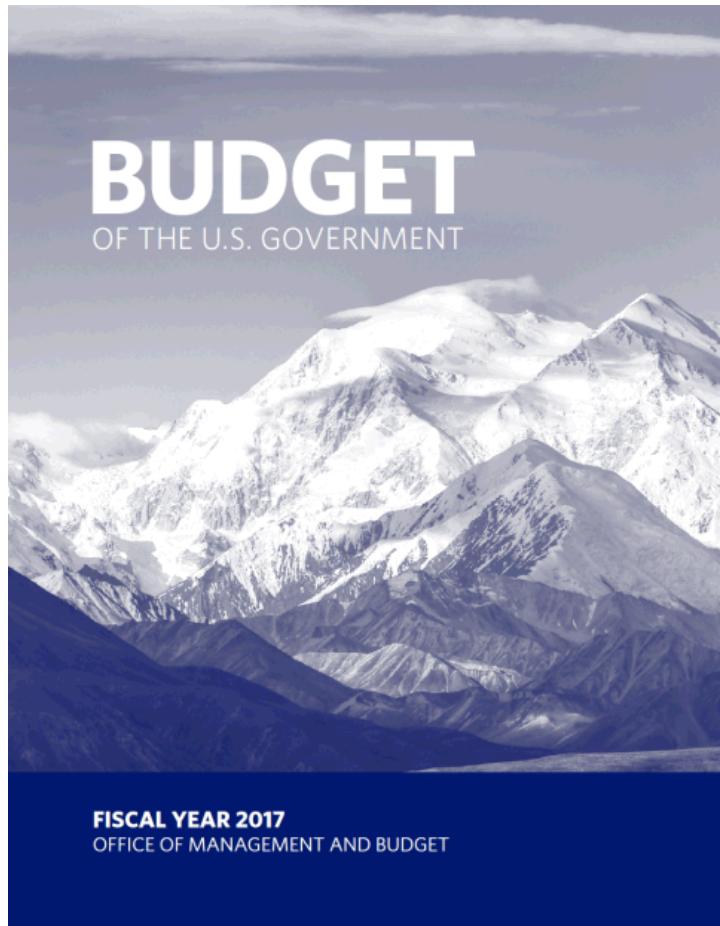


*Exceptional service in the national interest*



# Desalination-Energy Hub

Pat Brady and Stephanie Kuzio  
Senior Scientist and Manager,  
Geoscience Research and Applications



## Known

Desalination-Energy Hub → \$25M/yr

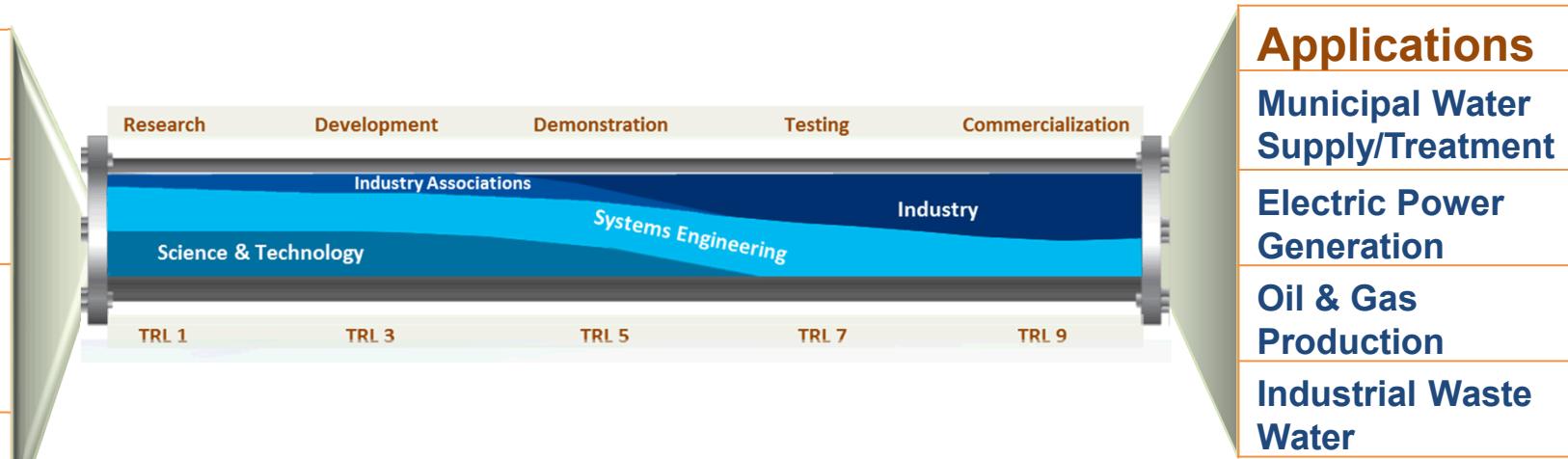
## Unknown

Budget approval,  
National Lab role,  
Timing of call,  
Right partner(s),  
Right structure ...

# PIONEER AND RAPIDLY DEPLOY NEW TECHNOLOGIES...



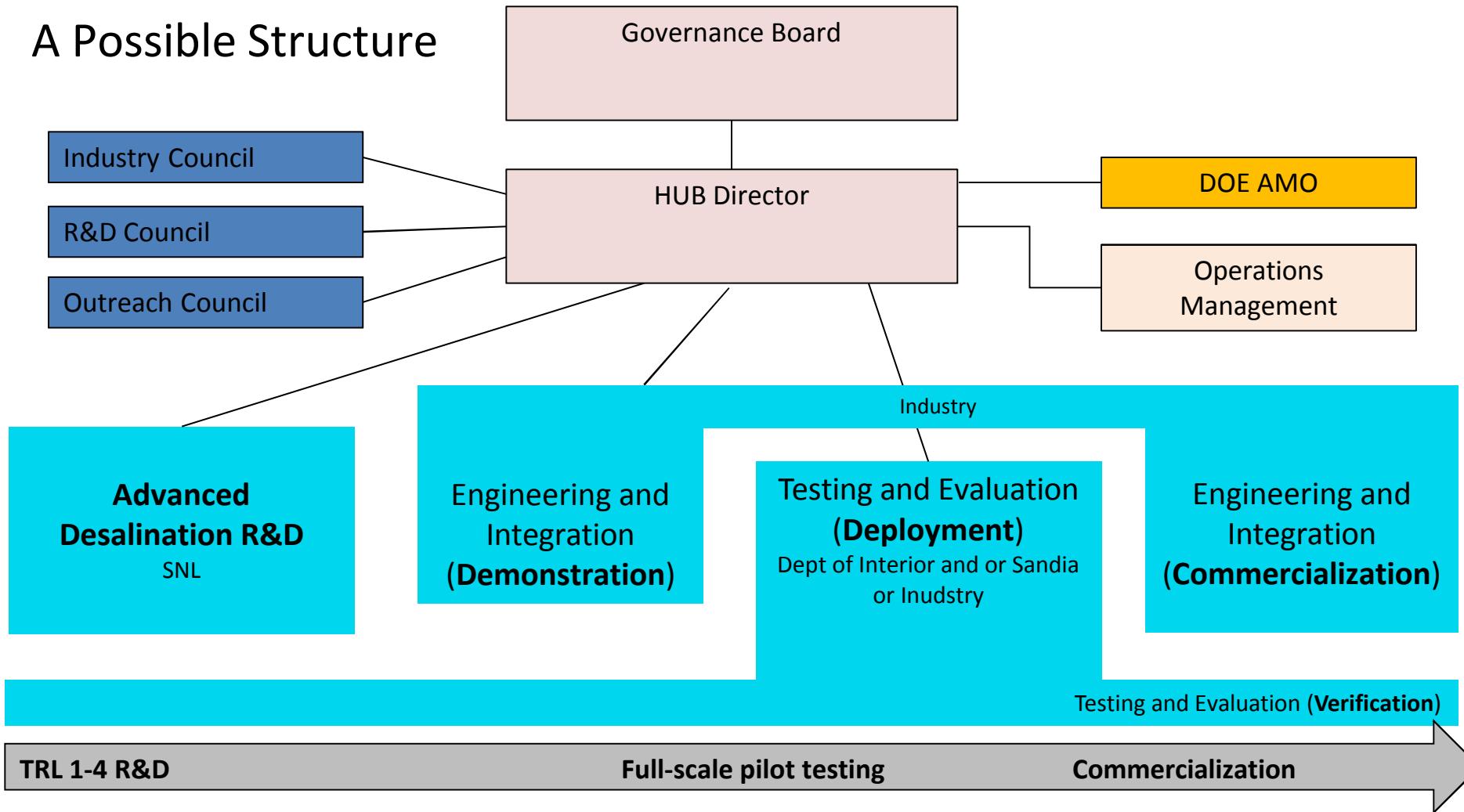
Technical Targets
Low Energy Membranes
Advanced Water Recycling
Low Energy Zero Liquid Discharge



## The Hub Succeeds if it...

1. Creates low-energy membranes,
2. Weans power plants from river water,
3. Eliminates problem wastewaters.

# A Possible Structure



## Focus areas

Low energy membranes  
Advanced water recycling  
Zero liquid discharge

## Possible industry partners

GE, Dow, Lockheed Martin

## Testing sites

BGNDRF (Alamogordo)  
EPRI (Georgia)  
KBH Desal (El Paso)