



# ECOCOMPLEX

David Specca – Director of Developmental Programs

**Leveraging State and Federal Funds  
for R&D Efforts**

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THE STATE UNIVERSITY OF NEW JERSEY

**RUTGERS**

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**Burlington County  
Resource Recovery Complex**



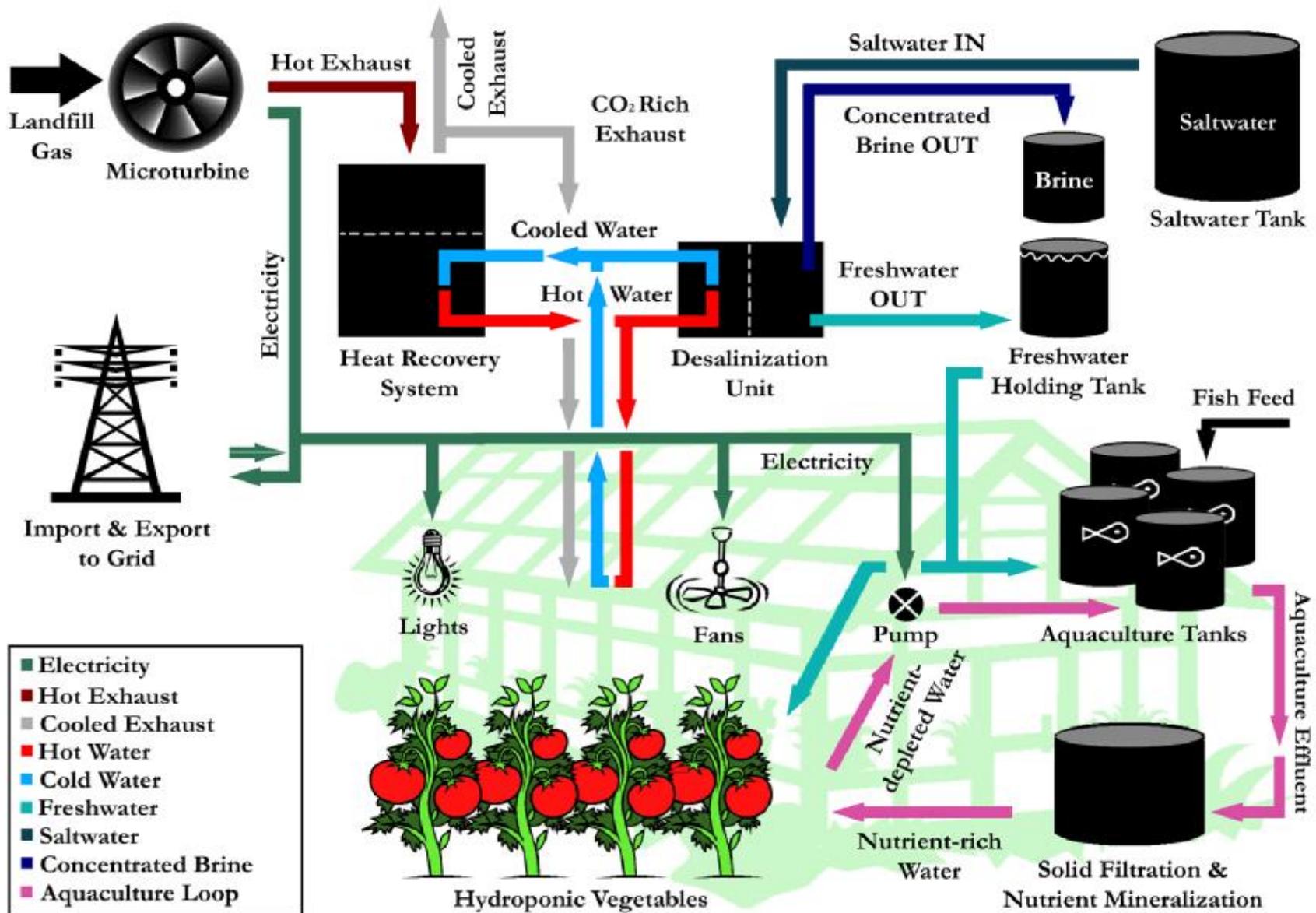
# ECOCOMPLEX

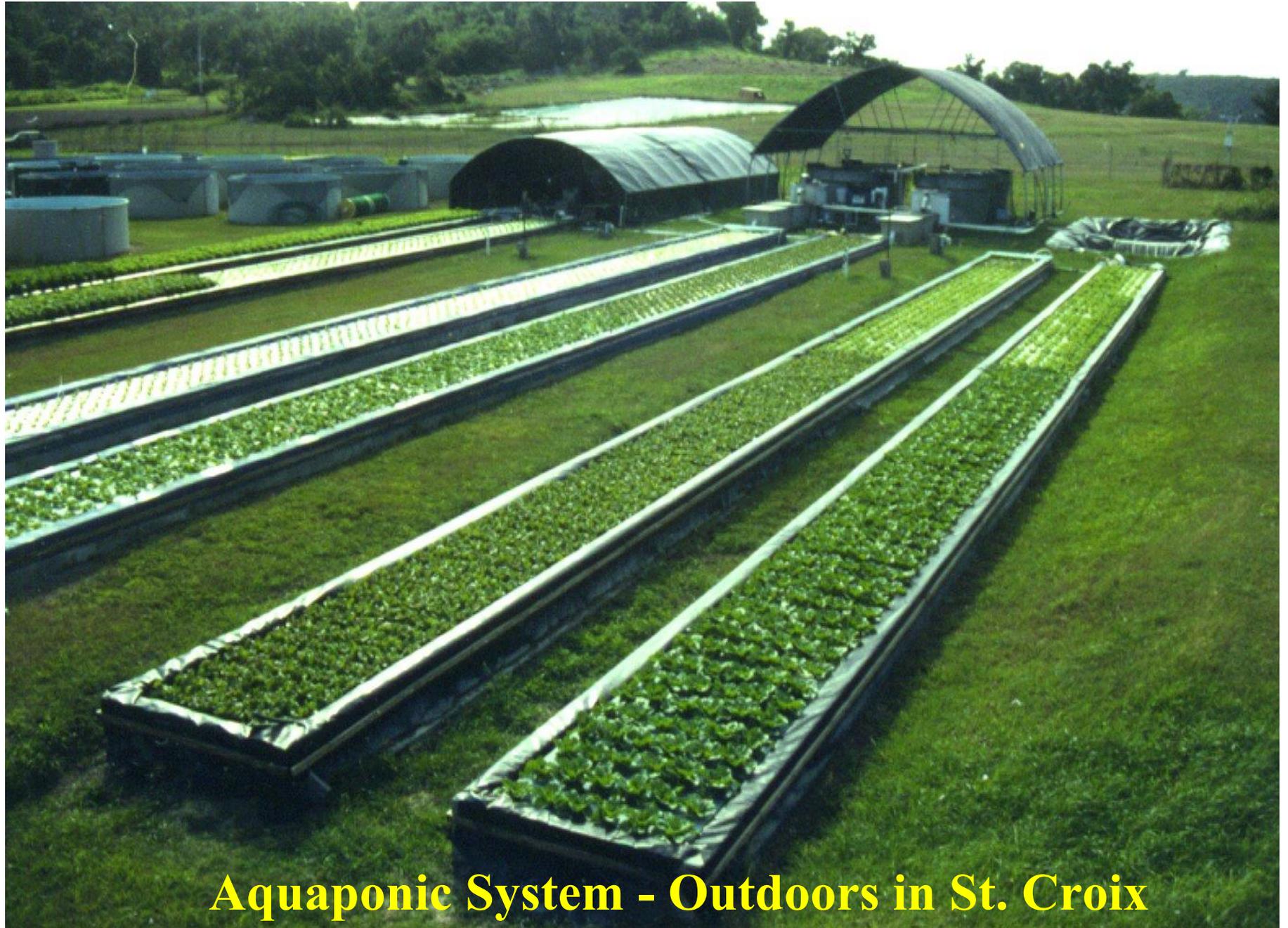


# Burlington County Research and Demonstration Greenhouse



# EcoComplex: Energy & Material Flow Diagram





**Aquaponic System - Outdoors in St. Croix**









# Funding the Project

- Develop a vision for the project that can be understood in layman's terms
- Break the project into components; e.g. infrastructure, co-gen, desal, aquaponics, etc.
- Don't try to get all funding from one source
- Have a means to cost share



# **NJ Department of Environmental Protection**

**Landfill Mining Grant - \$286,230**  
Expenses including design, site prep,  
LFG and natural gas hookup, shipping  
and tie-in to heating system



**2001 PPIS Grant - \$105,000**

Aquaponic and Desalinization Systems  
and monitoring equipment  
50% costshare



# **NJ Board of Public Utilities**

**Clean Energy Program - \$122,518**  
Provides a 40% costshare for renewable  
energy projects including LFG



Non-monetary contributions from other local and state agencies were critical to the success of the project.



# Budget

- Total Grants Received \$514,000
  - Total Cash Outlay for Project \$432,000
  - Balance leftover \$ 82,000
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- This balance will be used to investigate the use of the microturbine exhaust as a carbon dioxide source for the greenhouse and to use as cost share dollars for a possible fuel cell project.



**ECOCOMPLEX**

**Thank You!**

Governor Christine Whitman

April 1996



Premium

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