

**Source Separated Organics:  
& Social Entrepreneurship  
Two Case Studies:  
Minneapolis & the Maldives**

US Composting Council Conference

presented by

John Christopher Madole Associates, Inc.

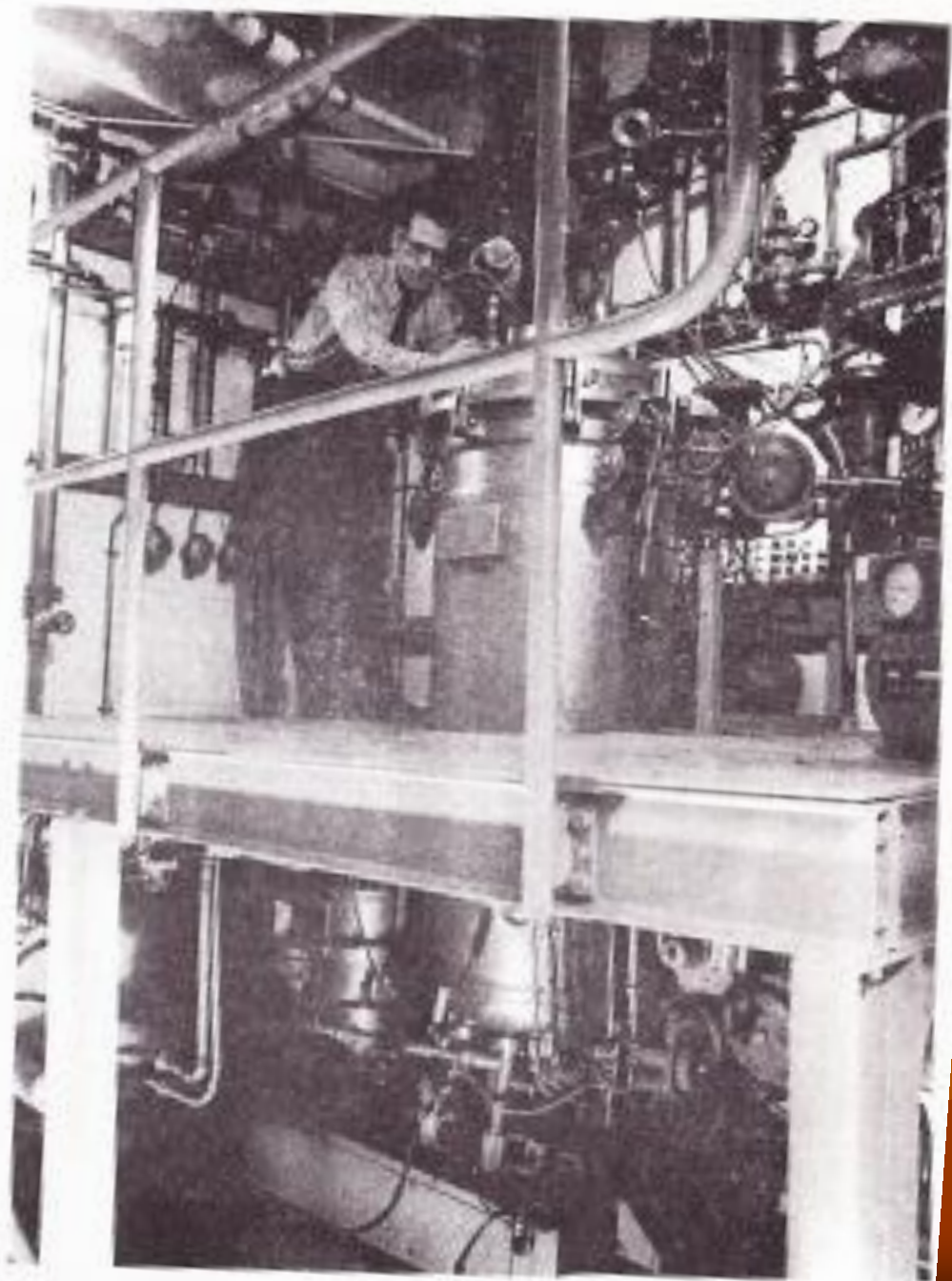
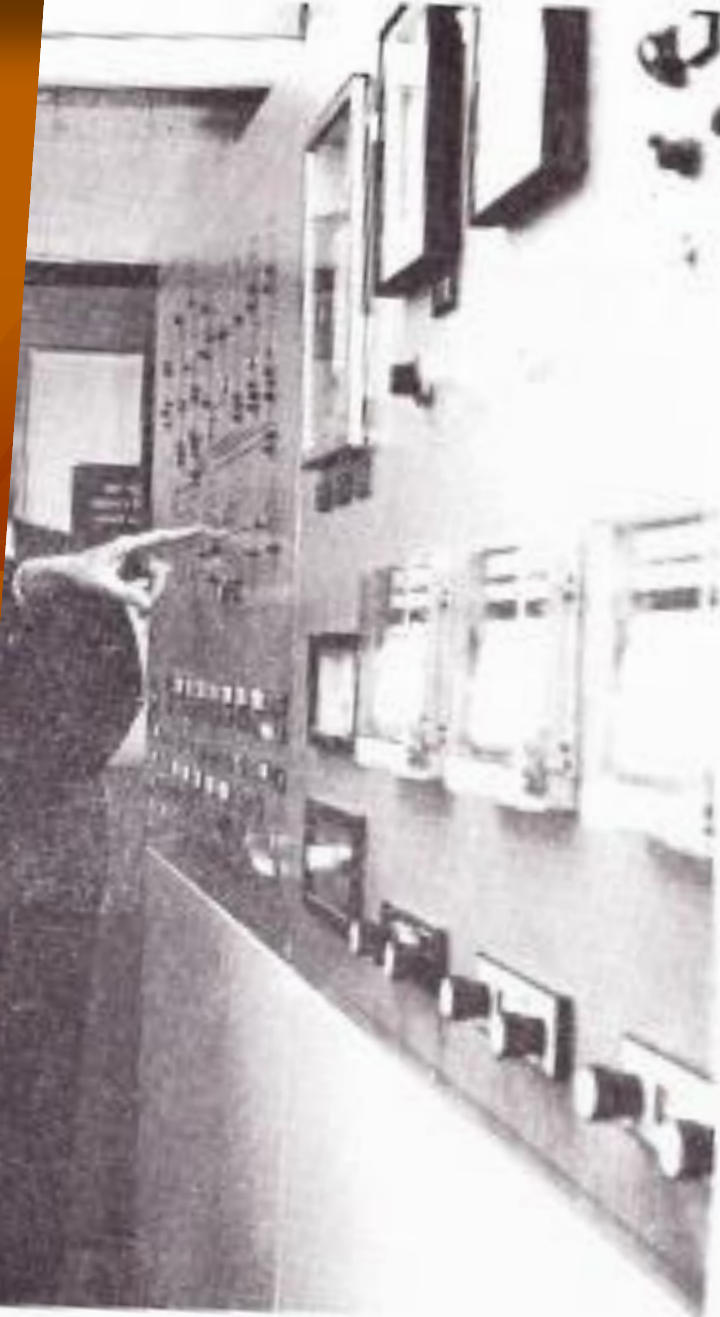
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# Why Social Entrepreneurship & SSO

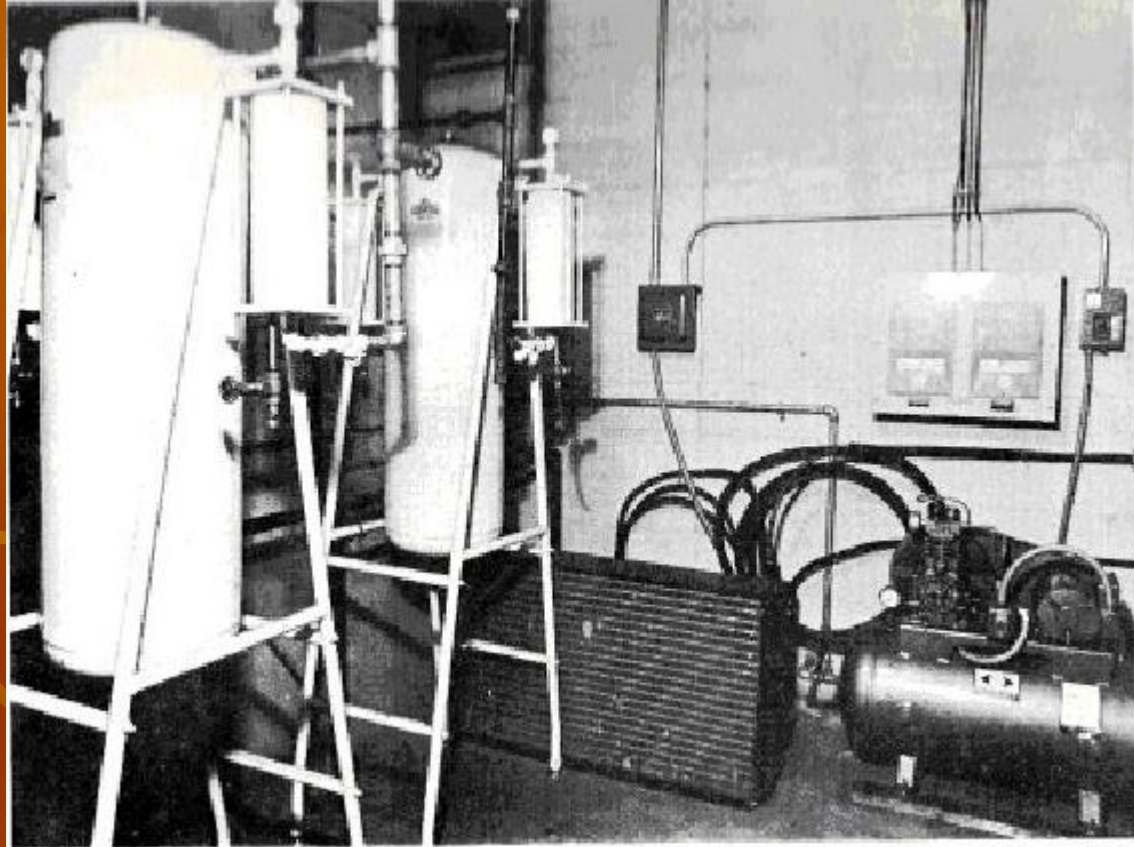
- For-Profit Functioning as A Non-Profit
- Non-Profit Functioning as For-Profit
- Most Vulnerable without Access to Food
- Entrepreneurship the enzyme for community food production from Compost
- Community Empowerment
- Making a Difference

# Artist Rendering of Digester-Greenhouse Facility





# Generic Open Source Community Digester Technology



# Case #1 Little Earth of United Tribes

- American Indian Preference Public Housing Project of 900 people
- Between Homeless and Section 8
- Highest Obesity, Diabetes, Lead Poisoning Rates in Minnesota
- Poverty, Gangs, Violence, Race, Food Desert
- 56% under 19 and 80% women & children
- 5 people per unit and under \$8,685/unit/year
- Most environmentally dirty neighborhood

# Cindy, Master Gardener of Little Earth



# Will Allen with Little Earth Farmers





# Raised Bed Gardens Laid Out



# Little Earth Urban Farm



# Simple Bin Composting & Vermiculture



# Darlene and the Early Learning Center Kids @ Little Earth



# Early Childhood Learning Center teaches Vermiculture



# Our Children Learn Composting, Gardening & Political Action



# Youth Programs Provides Training and Part Time Jobs



# Youth Involvement has reduced Gang Activity





# Our Youth Know How to Compost and Raise Food



# Case Study #2 The Maldives

- 2000 islands, > 1 million people, fragile Democracy
- Highest elevation 7', First nation to disappear from global warming by 2050, dozen islands already lost
- Import 98% of all food– true food desert
- Fish being vacuumed by Japanese companies
- All water aquifers polluted
- Ocean dumping of biosolids & Solid Waste
- Life expectancy of 60 because of Sanitation

# Tallest Peak in the Upper North Province— The Dump



# Sisterns for Grey Water and Biosolids at New Construction



# Beautiful view of Biosolids Outfall is Not Beautiful



**One side of each island is a  
million dollar beach**



# The Rocky Side of the Island is where you find the Dump



# Daily Disposal of Waste on Milandhoo





# Maldives Waste Management is: Let High Tide Take It Away



# Yard Waste significant in SSO



# After School Somebody takes the Family Waste to the Dump



# Coconut Waste, also significant in SSO



# 2011 Program

- Begin Composting of Biosolids and SSO
- Replace all septic tanks & use septic pumpers
- End ocean dumping and pollution of aquifer
- Construct greenhouses and digesters to begin food production and waste treatment
- Goal of providing cooking gas from biogas and 5% of electricity
- Massively begin food production of veggies

# Celebrating the New Chapel Mosque



# Granddaughter Attends Dedication of School Chapel



# Hanimaadoo Agricultural Centre: Greenhouse Food





# Get Involved with Social Entrepreneurship and SSO



# The Future of the World Depends On YOU!



# Please Get Involved, Be a SSO Entrepreneur

- THANK YOU!!!
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