

Sustainability:
The Untapped Value of
New York Enterprise

*Thoughts on Policy and Programming
for
Urban Republicans (Repurblicans)*

About Koetz and Duncan

- Former Acting Assistant Secretary of the Air Force for Installations, Environment, and Logistics (Chief Sustainability Officer)
 - 166 Active Air Force installations worldwide on 10 million acres
 - \$200+ Billion PRV for built infrastructure
 - \$25+ Billion annual operating budget for IEL
 - Largest energy user in the Federal Government
- Policy Director, Nuclear Energy Institute
 - Negotiated Kyoto Protocol
 - Created first system to Inventory and Appraise air emission avoidance value
- Counsel: US Senate Energy and Natural Resources Committee; US Air Force; US EPA
- Lieutenant, US Navy JAGC
- Native of Queens, Descendant of Energy Refugees from Brooklyn

What is Sustainability?

- Growing the Economy and Opportunities with a view to the Future
- UN/Brundtland Sustainability Policy
 - “Sustainable development is development that meets the needs of the present without compromising the ability of future generations to meet their own needs.”
- Queens Sustainability Policy
 - Don't waste (aka Conserve)
 - Protect and provide natural assets for your children to enjoy a healthy, productive life
 - Protect and provide natural assets for other living creatures (e.g, Jamaica Bay)

Why Do We Care About Sustainability?

- Static Supply of Planet (Air, Land, and Water)
- Increasing Demand for Air, Land, and Water Capacity (growth in population and economy)
- Increasing costs for restoration/mitigation
- Habitat Losses/Extinction
- Food Supply
- Conflict/Political Destabilization
- Security Spending

Sustainable New York

- New York City were granted statehood, it would rank fifty-first in per-capita energy use
- The most energy efficient residences in the world:
Apartment Buildings
- Density the essential component of Sustainability
- But:
 - Subways - 1.8B kwh/yr
 - Streetlights - 300M kwh/yr

Sustainable New York, cont'd

- Schools, Hospitals, Sewage, Drinking Water, Food Supply - all public enterprise that requires steady, high-volume energy supply
- 57% of energy used in NYC is Natural Gas (power plants, on-site; ICF)
- In 2013, New York had the fourth highest average electricity prices in the United States
- Bottom Line:
 - New York not Fully Converting it's Sustainability Value
 - Republicans Not Capitalizing On Conservation Success

More Sustainable New York

- Lowest rate of Industrial Primary Energy Use per unit of GSP
- Lowest level of Industrial Energy Expenditures per unit of GSP
- 42% of electrical generation emission free
- NYS Products likely environmentally preferable for green market advantage
- Water use also highly efficient compared to US averages
- UnSustainable: Tax and pricing policies that subsidize competing states

Sustainable Republicans: Policy Elements

- Value and Manage Scarce Natural Assets
 - Pay a fair price for use
 - Reward Conservators/Eco-efficiency
(credits, market share)
 - Develop City-wide Natural Capital Inventory
- Support In-State Energy Recovery and Production
(Locafuel)
- Identify and support true Sustainable Urban Technology
(e.g. mass transit, sewage treatment, baseload power,
shipping, rail)

*A man is rich in proportion to the number of
things he can afford to let alone.*

Henry David Thoreau