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# Opportunities for Soil and Mulch in the environmental markets

[www.envcc.com](http://www.envcc.com)

# Environmental Credit Corp.

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ECC has invested in, created and sold carbon credits since 2004

- Methane Avoidance, Landfill, Agricultural, Forestry, Biofuels and Wastewater projects in 26 states in the US
- International projects in Mexico, Brazil, China and India
- Multi-million \$\$ deal with American Electric Power
- Two offices in the US



# Introduction to Carbon Credits

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- One ton of CO<sup>2</sup> equivalent = one carbon credit
- Emission reductions from 6 gases are eligible for carbon credits
- Gases are expressed as metric tons of CO<sub>2</sub> equivalents.
- For example, Methane has a global warming potential equal to 21-23 tons of CO<sup>2</sup> equivalent

# The Process

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Greenhouse Gas  
Emission Reductions

Your current or future  
project activity

ECC Carbon Credit Services

- Eligibility Assessment
- Protocol Development
- Monitoring
- Reporting
- Verification
- Registration

Carbon credits  
created by ECC

**Carbon Credits**  
(certified, tradable, \$\$)

Credits sold  
by ECC onto carbon  
markets

# Carbon World

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**Compliance**



**Voluntary**





# Voluntary Landscape

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- Numerous markets and standards
- State and regional momentum
- Altruistic, branding, pre-compliance



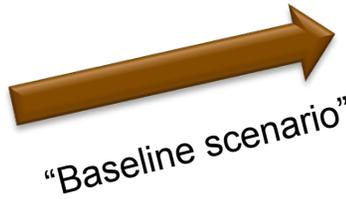
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# **Existing Opportunity: Carbon Credits for Methane Avoidance**

# Methane avoidance

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Yard waste  
Food waste  
Biosolids  
Grease trap





Nantucket Landfill

Waste  
Options  
composting  
facility

- ✓ In the US
- ✓ Start date after 1/1/99
- ✓ Owned/operated by Waste Options Nantucket, LLC
- ✓ Regulatory eligibility:
  - ☑ Yard waste ban

# Waste Options Nantucket Facility



**20,100 credits  
(2003-2008)**



# Politics of environmental markets

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- US and Europe cooling to climate change action
  - 2012 looming
  - China and energy
- Regional partnerships leading
  - RGGI
  - CAR

# Politics of environmental markets

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- EPA
  - Authority to impose climate regulation
    - Permit trading
    - Brownfields sequestration
  - Greenscapes
- USDA
  - Farm bill
    - Conservation programs
    - Carbon tax?
- BCAP

# Hard to know which way...

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**Focus on creating energy or  
sequestering carbon**





# **Value is in being prepared...**

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Direct value from:

- Marketing and branding
- Right buyer can fetch you \$4 a metric ton

Being ready for carbon means that you will be in a good position to take advantage of other opportunities

# Summary

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- Carbon markets are struggling
- Other environmental subsidies/incentives may start to emerge
- Politics playing a large part in landscape
- Two most likely opportunities revolve around sequestration or generating energy

# Contact Details

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