

Finding the Green to Go Green



Presented by

The Grant Writing Network LLC

Lblackmer@vbisd.org

Before We Go To Far
Let's Review
the 10 Basic Elements
of Grant Writing

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- Only as Long as Needed.

Green Support - Curriculum

- U.S. Department of Education
- U.S. Department of Agriculture
- National Science Foundation
- National Institute of Food and Agriculture
- Private Foundations



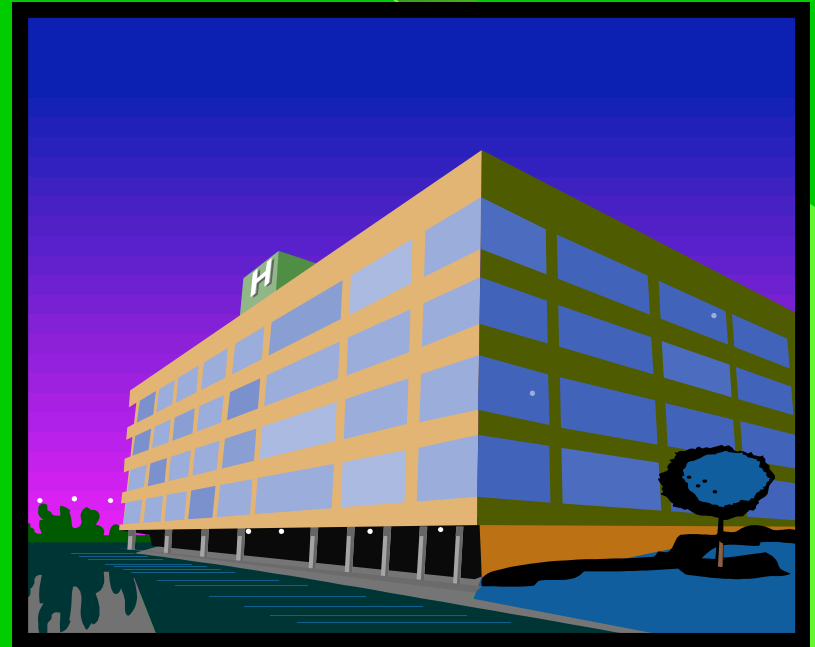
Green Support - Programs



- Department of Commerce: National Institute of Standards and Technology
- USDA
- Most U.S. Departments

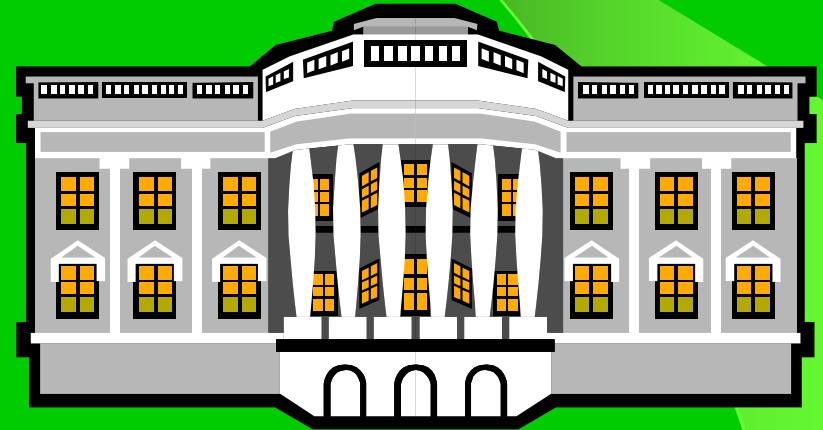
Green Support – Building & Renovation

- Kresge Foundation
 - Planning Grants
 - Green Build Grants
- HUD



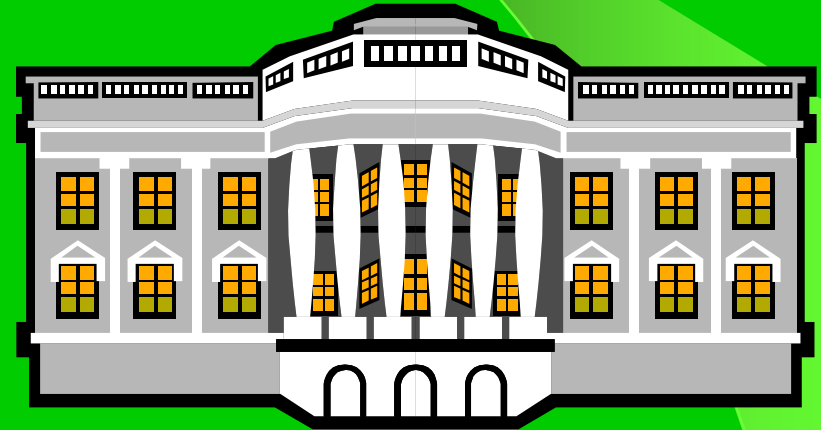
Who's Got the Money?

- Federal Government Interests are:
 - Sustainable Energy
 - Alternative Fuels
 - Centers of Energy Excellence
 - Job Creation in Energy Related Fields
 - Small Business/New Business Incubation



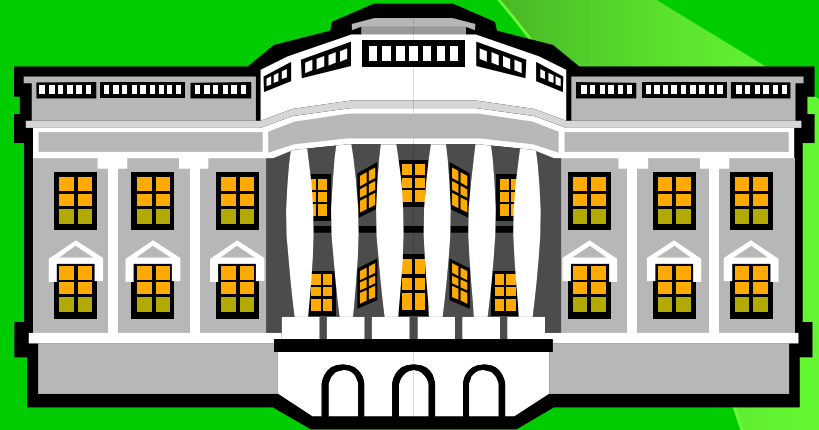
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- Federal Government
 - Department of Agriculture
 - Conservation Innovation Grants
 - Solid Waste Management Grant
 - K-12 Classroom Challenge Grants
 - Greenhouse Gas
 - Woody Biomass Utilization Grants



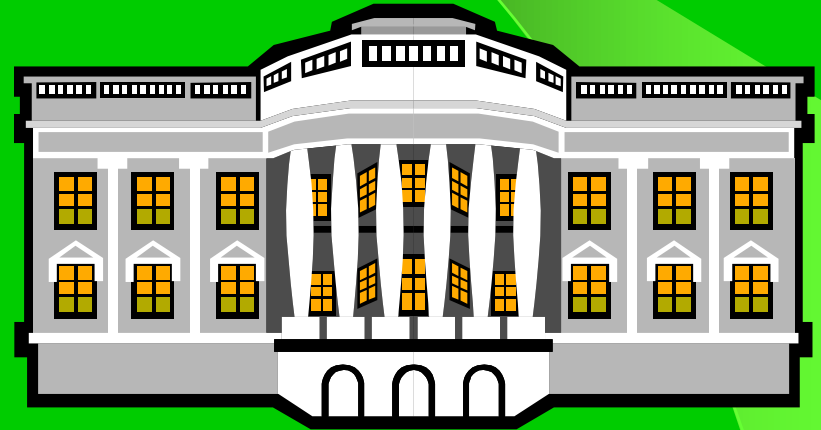
Who's Got the Money?

- Federal Government
 - Department of Commerce
 - Environmental Literacy Grants for Formal K-12 Education
 - Great Lakes Habitat Restoration Program
 - Economic Development Grants



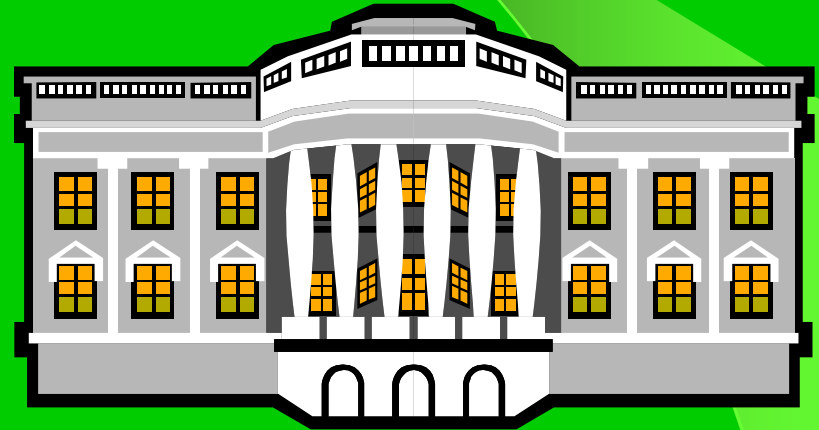
Who's Got the Money?

- Federal Government
 - Department of Energy
 - Electric Drive Vehicle Battery & Components
 - Wind Energy
 - Weatherization Assistance
 - Solar Demonstration / Utilization
 - Smart Grid Research and Development
 - Alternative Fuels
 - Algae Biomass Supply
 - Plant Feedstock Genomics



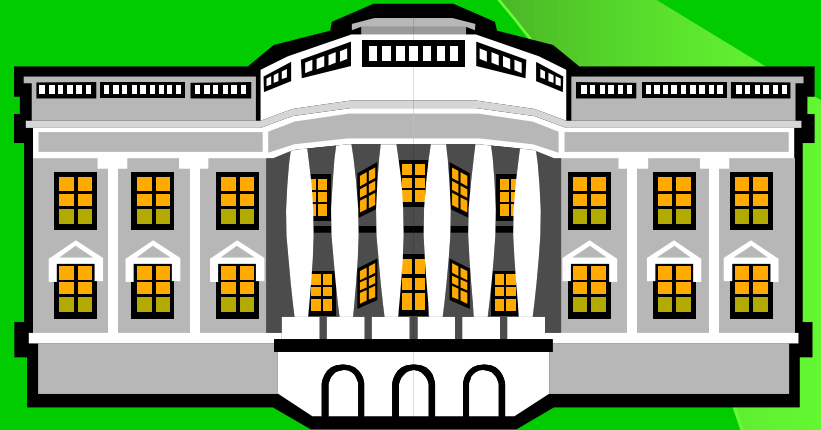
Who's Got the Money?

- Federal Government
 - Department of Transportation
 - Grants as they relate to efficiency in transportation costs:
 - Fuels
 - Systems/Management
 - Emissions

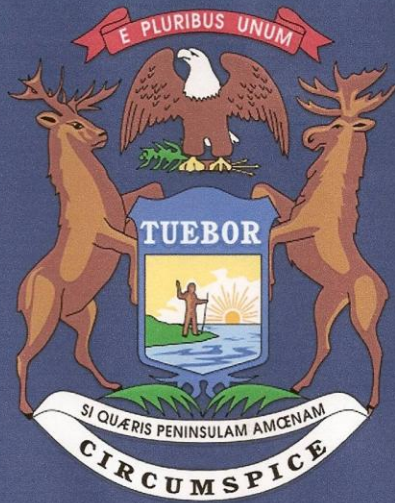


Who's Got the Money?

- Federal Government
 - Various Agencies that Support SBIR (Small Business Start-up Grants)



But Our State Is Broke!!!!



- There are still dollars to be found in Economic Development Programs & Links to Federal dollars (USDA)
- Example:
 - Centers of Energy Excellence
 - Advance Michigan

Who's Getting the Money?

- Investment Act
 - Small / New Business
 - Established Business
e.g. Dow
 - Innovation Companies
 - Universities
- Non-profits
- For-profits



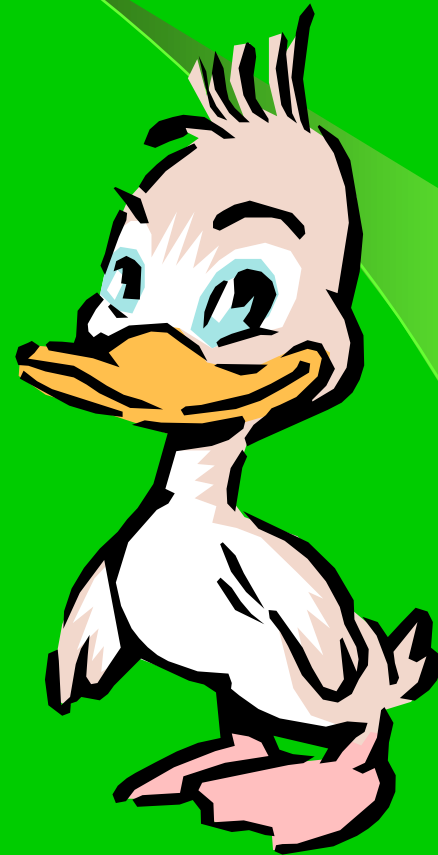
Connecting to the \$\$\$\$

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- So what if I don't look like the kind of agency that can connect to the green dollars?

Connecting to the \$\$\$\$

- So what if I don't look like the kind of agency that can connect to the green dollars?
 - If you need to look like a duck, and don't, find someone that does!



Partnering



- K-12 with Post Secondary
- Tech Centers with Small Business
- Non-profits, Education and Small Business
- With State and national agencies.
- Use your imagination.

Specific Areas of Interest

- Solar Power



Specific Areas of Interest

- Wind Power



Specific Areas of Interest

- Hydrogen Fuel Cell



Specific Areas of Interest

- Lithium Battery



Specific Areas of Interest

- Sustainable
Alternative Fuels:
 - Waste Vegetable Oil
 - In blends with diesel or as a stand alone fuel.



Specific Areas of Interest

- Bio Crop Fuels
 - Soy
 - Canola
 - Switch Grass
 - Cellulose Feed Stocks
 - Wood chips



Specific Areas of Interest

- Geo-thermo
 - Deep well or closed loop
 - Store heat in the ground during the summer, return it to the living area during the winter.



Specific Areas of Interest

- Co-generation
 - Many different forms make up co-generation.
 - Heat and electric power produced at the same time from a common fuel.



Feedstock	Amount Available Per Year State and/or Local		Fuel Produced Per Year		Feedstock Cost	Cost Per Gallon to Market	
	State Source	Local Source	State Source	Local Source		State Source	Local Source
Waste Vegetable Oil	6,375,000 gallons	667,714*	5,735,000 gallons	600,680 gallons	\$.50 –\$.75 per gallon	\$2.00 - \$2.50	\$2.00 - \$2.50
Brown Grease – FOG from waste water		750,000 gallons		400,000 gallons	\$.50 –\$.75 per gallon		\$2.50 - \$3.00
Algae Based Vegetable Oil		3,000 gallons per acre	2,000,000 – 4,000,000 gallons		\$.35 –\$1.00 per gallon		\$2.50 - \$3.50
Algae Based Concentrated Feedstock		5,000 + gallons per acre	7,500,000 – 30,000,000 gallons		\$.35 –\$1.00 per gallon		\$2.50 - \$3.50
Canola Based Vegetable Oil		150 gallons / acre	15,000 gallons Based on 100 acres (non-food grade)		**\$.75 -\$1.25 per gallon		\$2.50 - \$3.00
*Estimate Based on population data U.S. Census Bureau. **Source: U.S. Canola Association							

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