

Energy & Solid Waste Work Group Core

Meeting Notes of October 25, 2006, 4:00 p.m. Howes House, West Tisbury

Members Present: Russell Smith (Chair), Phil Forest, Kitt Johnson, Dick Knabel, Paul Pimentel, Bart Smith, Paul Strauss, Kate Warner

Members Absent: Don Hatch, Fred Lapiana

Present – MVC Staff: Bill Veno

The meeting started at 4:15

1. Vision of What We Will Accomplish

From the previous meetings, the Core affirmed its objective from the previous meetings: raise Waste and Energy issues to the top of minds among the Public (to a point that they are willing to take action). Distinction was made between what the Work Group is charged with as opposed to what the Work Group might propose the community strive for. The Island Plan can't force anyone to action, but it can be a springboard for ideas and actions. Thus, a goal of the Work Group should be to outline a plan to move the community toward specific actions. The Work Group's deliverable is "our section" of the Island Plan with targets and benchmarks to measure progress in attaining that goal.

The overall vision is a community that is energy (and possibly waste) neutral. [It was suggested this vision might include being carbon dioxide neutral.] The concept of neutrality differs from "energy independence" or "energy self-sufficiency" in that it recognizes that there are a variety of ways, such as offsets or credits, that the Vineyard might employ to reach the same result – that it doesn't necessarily have to do it on its own.

Broken into the three avenues for change the Core previously identified: Reduce – unwise consumption; Replace – for a greener, more sustainable community; Produce (including transformation, in the case of composting) – for greater independence. There was discussion that the term "sustainability" is not clearly articulated and that it must be explicit ("paint a picture") if the group wishes to fully engage the community. Core members agreed that the vision should encompass not only the island of Martha's Vineyard, but the surrounding waters as well.

2. Framework to Hold Pieces Together

Phil put up enlarged copies of a draft matrix in which to categorize ideas and address the intricacies of energy and waste (attached to these meeting notes). The draft identified sectors, uses and fuels. The group agreed to recommend proceeding with the following simplified variables. [Note: there is no correlation between columns; it is coincidental that each column has four variables.]

Sectors

Residential
Commercial
Municipal
Agricultural

Uses

Transportation
Space conditioning
Electrical equipment (incl. lighting)
Water heating

Fuels

Petroleum (gas, diesel, propane)
Electricity
Local (any type)
Alternative/Organic

3. Links and Issues with Other Groups

For the first meeting of the full Work Group, the Core proposed to present a work plan based on page 2 of the Island Plan Work Groups – Outline Scope of Work the Steering Committee mandated to each Work Group. The goal of the meeting will be to solicit feedback and ideas on the work plan in order to proceed.

4. Administrative

Bill inquired whether members received the previous meetings notes via the website e-mail server. Most had, but the Mac computer users were unable to open the attachments. Bill will investigate this problem with the Webmaster. Paul P. was the only member who had posted a message on the energy/waste forum. Some orientation to the website in the future may be useful.

5. Next Steps

Core members were given homework:

- 1) Familiarize oneself with the second page mandate from the Island Plan Work Groups – Outline Scope of Work (front of the Core members' 3-ring binders),
- 2) Draft text for bullets 1 and 4 from the second page mandate, and
- 3) In order to become familiarized with the www.islandplan.org website site as a communications tool for the group, post text on the Core group's forum (or group e-mail) identifying ideas for how the larger Work Group fits in with each of the nine bulleted elements.

Next Meeting: Wednesday, November 15, 4:00 p.m. at the Howes House basement

- Agenda:
1. Review/Discuss Drafts to Mandate Bullets
 2. Signoff on Framework Draft
 3. How Big Work Group Fits with Core Group (the 9 mandated elements)

The meeting concluded at 5:50

Notes prepared by Bill Veno utilizing flip chart notes of Kitt Johnson

Draft Energy Framework for Island Plan

"Reduce, Replace and Produce"

Reduce our energy consumption through efficiency and changes in our behaviour. (Ex: Better home insulation)

Replace the fuels we use with sustainable and less polluting fuels. (Ex: Replace diesel with bio-diesel)

Produce energy by utilizing local energy sources, like solar, wind and tidal energies. (Ex: Photovoltaics)

1.) Determine Current Energy Use/Production on Martha's Vineyard. (Core Group To Do)

Sectors	Fuels	Amounts of Fuels Used	%	Uses	Amounts of Uses	%
A. Homes	1. Gasoline			a. Transportation		%
B. Bus/Comm.	2. Diesel			b. Space Heating		%
C. Municipal	3. Oil			c. Space Cooling		%
D. Agriculture	4. Propane			d. Water Heating		%
	5. Electricity from:			e. Water Pumping		%
	-coal			f. Waste Water Treatment		%
	-LNG			g. Refuse Processing		%
	-solar			h. Recycle Processing		%
	-wind			I. Lighting		%
	-nuclear			j. Electrical equipment		%
	-biomass			-ie; tv, cooking, refrigeration, etc...		%
	6. Bio-diesel					%
	7. Solar					%
	8. Wood					%
	9. Wind					%
	10. Wave/Tide					%
		100 %				100 %

Draft Energy Framework for Island Plan

2.) Establish 5 year Goal for Future Energy Use/Production on Martha's Vineyard (Whole Group To Do)

Sectors	Fuels	Amounts of Fuels Used	%	Uses	Amounts of Uses	%
A. Homes	1. Gasoline			a. Transportation		%
B. Bus/Comm.	2. Diesel			b. Space Heating		%
C. Municipal	3. Oil			c. Space Cooling		%
D. Agriculture	4. Propane			d. Water Heating		%
	5. Electricity from:			e. Water Pumping		%
	-coal			f. Waste Water Treatment		%
	-LNG			g. Refuse Processing		%
	-solar			h. Recycle Processing		%
	-wind			I. Lighting		%
	-nuclear			j. Electrical equipment		%
	-biomass			-ie; tv, cooking, refrigeration, etc...		%
	6. Bio-diesel					%
	7. Solar					%
	8. Wood					%
	9. Wind					%
	10. Wave/Tide					%
			100 %			100 %

Draft Energy Framework for Island Plan

3.) Establish 10 year or 25 year Goal for Future Energy Use/Production on Martha's Vineyard. (Whole)

Sectors	Fuels	Amounts of Fuels Used	%	Uses	Amounts of Uses	%
A. Homes	1. Gasoline			a. Transportation		%
B. Bus/Comm.	2. Diesel			b. Space Heating		%
C. Municipal	3. Oil			c. Space Cooling		%
D. Agriculture	4. Propane			d. Water Heating		%
	5. Electricity from:			e. Water Pumping		%
	-coal			f. Waste Water Treatment		%
	-LNG			g. Refuse Processing		%
	-solar			h. Recycle Processing		%
	-wind			I. Lighting		%
	-nuclear			j. Electrical equipment		%
	-biomass			-ie; tv, cooking, refrigeration, etc...		%
	6. Bio-diesel					%
	7. Solar					%
	8. Wood					%
	9. Wind					%
	10. Wave/Tide					%
			100 %			100 %

Draft Energy Framework for Island Plan

4.) Choose Sectors, Uses and Production categories that we should change, in order to get the biggest returns for our efforts. (Whole Group To Do)

5.) Identify solutions for how we will achieve changes. (Whole Group)

For examples:

- Perception and Awareness: inform public about the issues we face-cause and effect.
- educate public about the benefits of change
- provide alternatives and solutions: Reduction and Production

6.) Groups get busy toward achieving goals. Check-in periodically for progress reports and to get input from whole group.

Draft Solid Waste Framework for Island Plan

"Waste is simply a resource out of place."

- 1.) Identify sources of waste.
- 2.) Determine amounts being produced now.
- 3.) Organize sources into types, some may be in more than one. (Ex: woodchips are compostible and re-useable)
- 4.) Establish goals - What can be done better, than what we're doing now? How will we achieve? When? Who?
 Example: How to better utilize or process waste, turning it into a resource or lowest environmental impact.
- 5.) Workgroups get busy on goals, periodic check-in with entire Energy/Waste group.

Sources	%	Types	Examples
A. Homes		1. Compostible	a. Paper b. garbage c. landscape debris (like woodchips)
B. Bus/Comm.		2. Recyclable	a. Plastic b. metal c. glass d. paper, cardboard
C. Municipal		3. Re-useable	a. Sewage (Milwaukee produces Milorganite, an organic fertilizer) b. Used engine oil for heating
D. Agriculture			c. Used building materials (Habitat for Humanity has Used Bldg. Materials Exchange facilities in off-island communities) d. Used vegetable oils for heating and transportation e. Food scraps from restaurants for animal feed f. Wood chips for heating
	100%		