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**DRAFT MEETING SUMMARY**  
**Vermont Governor's Commission on Climate Change Technical Working Group**  
**Energy Supply and Demand**

**Call #2, November 28, 2006, 1:30 – 3:30 pm**

*Prepared by Sivan Kartha and Jeff Merrell*

**Attendance:**

|   |
|---|
| <b>ENERGY TWG MEMBERS</b>                   |
| Debra Baslow                                |
| Alan Betts                                  |
| Paul Comey                                  |
| Michael Dworkin                             |
| Don Gilbert                                 |
| David Hill                                  |
| Thomas Jagielski                            |
| Dale Rocheleau                              |
| <b>ADDITIONAL PARTICIPANTS / ALTERNATES</b> |
| Riley Allen                                 |
| Ellen Crivella                              |
| <b>VERMONT DEC</b>                          |
| Jeff Merrell                                |
| <b>FACILITATORS</b>                         |
| Sivan Kartha                                |

|                                       |
|---------------------------------------|
| <b>Energy TWG Members not present</b> |
| Gina Campoli                          |
| Sean Cota                             |
| Elizabeth Courtney                    |
| Richard Cowart                        |
| Robert DeGeus                         |
| Robert Dostis                         |
| Chris Dutton                          |
| David Epstein                         |
| James Moore                           |
| David O'Brien                         |



## **Background documents:**

Unless otherwise noted, all documents are posted at

[http://www.vtclimatechange.us/technical\\_work\\_groups.cfm](http://www.vtclimatechange.us/technical_work_groups.cfm),

(Click on Energy Supply and Demand under Technical Working Groups in the left-hand column)

1. Meeting Notice and Agenda, ESD TWG Call #2
2. Summary of Call ESD TWG Call #1 (October 8, 2006)
3. Powerpoint Presentation to ES TWG Call #2
4. Catalog of State-Level GHG Reduction Policy Options (Nov 28, 2006 revision)

## **Agenda:**

1. Call to order, roll call, and approval of prior meeting summary
2. Review of plenary meeting decisions relevant to the Energy TWG
3. Review and discussion of the Catalog of State Actions
4. Continue discussion of the Vermont Emissions Inventory & Forecast
5. Discussion of next steps toward identifying and prioritizing options for analysis
6. Agenda, date and time for next meeting
7. Call to the public
8. Announcements

## **Discussion and decisions:**

### **1. Call to order, roll call, approval of summary.**

The meeting was called to order by Sivan Kartha shortly after 1:30pm, and roll call was taken. Highlights of the summary of ESD TWG call #2 (October 10, 2006) were briefly reviewed, and the group approved the summary.

### **2. Review of November 8 Plenary decisions.**

The group then spent much of the call reviewing comments and additions to the Catalog of options (Nov 28 revision) introduced at the November 8, 2006 Plenary meeting, and suggesting further revisions.

### **3. Review and discussion of Catalog (November 29 revision)**

Several TWG members noted that the Catalog includes various resource-specific options (e.g., those referring to waste-to-energy, landfill gas, nuclear, advanced fossil) but also several policy options that are generic, i.e., they apply to renewables generally, but without specifying particular sources and their unique characteristics. It was pointed out that Vermont's primary available renewable resources (wind, hydro, biomass, and solar) face various resource-specific barriers (and opportunities), which suggests that there are resource-specific policy options should be part of the Catalog. Conversely, certain



catalog options (e.g., advanced coal with carbon capture and storage) are not relevant for Vermont, and should not be part of the catalog.

It was agreed that additional options would be submitted by TWG members in order to capture the additional resource-specific options that should be part of the Catalog. These are to be submitted by Friday COB, and introduced into the revised Catalog that is distributed with the ballot. In particular, David Hill would submit language relating to three options pertaining to wind, biomass, and hydro specifically.

**ACTION: TWG members submit any additions to the Catalog by Friday December 1. These should be explicit and descriptive enough to enable other TWG members to understand them and be able to vote. (If two or more TWG members submit similar measures, Sivan will contact them by email to create a single consistent joint submission.)**

It was suggested that the TWG eliminate certain options from the catalog, but after further discussion decided that the TWG would not eliminate any options, but simply allow the balloting process to allow irrelevant options to be eliminated by virtue of not garnering any votes.

It was agreed that the term “clean” throughout the catalog should be replaced by an unambiguous term. Riley provided language that is consistent with the SPEED (Sustainably Priced Energy Enterprise Development Program) provision of Vermont Act 61 – “fossil fuel-based, combined heat and power (CHP) facilities that sequentially produce both electric power and thermal energy from a single source or fuel. In addition, at least 20 percent of a facility's fuel's total recovered energy must be thermal and at least 13 percent must be electric, the design system efficiency (the sum of full load design thermal output and electric output divided by the heat input) must be at least 65 percent, and the facility must meet air quality standards established by the agency of natural resources.”

See [www.leg.state.vt.us/statutes/fullsection.cfm?Title=30&Chapter=089&Section=08002](http://www.leg.state.vt.us/statutes/fullsection.cfm?Title=30&Chapter=089&Section=08002)

#### **4. Discussion of inventory and forecast**

With regard to the inventory and forecast, further discussion will wait until the draft technical appendices are completed and distributed. The one comment that was made was that the projected electricity sector demand shown in the slides (and presented at the November 8 Plenary meeting) is not current. DSM (including newly authorized funding) further reduces the expected demand. Sivan will confirm that Randy is aware of this and is using the updated projections.



## 5. Discussion of next steps

The process for identifying priorities and next steps are as follows.

- a. TWG members will submit any further additions to the Catalog by December 1. (as per Action item above.)
- b. Sivan will compile into a revised Catalog.
- c. Sivan will distribute (i) revised Catalog, (ii) ballot based on revised Catalog, (iii) technical appendices for inventory and forecast, and provide instructions and deadline.
- d. TWG members will cast ballots by the announced deadline. Each member can distribute 10 votes across the options in the catalog. (There are no constraints regarding how they are distributed with respect to categories. Only rule is no “stacking” of two or more votes on a single option.)
- e. Sivan will aggregate the ballots, showing the number of votes for each option, and send out the results.
- f. On the next call, the TWG will discuss the results, and agree on a recommended set of priority options to submit to the Plenary group.
- g. At its January 18 meeting, the Plenary group will consider the TWGs’ recommended priority options, and adopt (with modifications if so decided).
- h. The TWG will spend the next several meetings (and time in between in subgroups) developing these priority policy options as per the “policy template” shown in the September 7 Plenary group #1 meeting Powerpoint (slide 36) and October 10 Energy TWG call #1 Powerpoint (slide 12). At this point, policy recommendations will be fleshed out, analysis will be undertaken, and Vermont-specific considerations taken into account.

## 6. Agenda and proposed date for next meeting

The tentative date for the next meeting is:

Wednesday, January 3 2007 from 1:30 - 3:30 p.m.

The date was subsequently accepted. The venue is:

DEC Commissioner’s Conference Room,  
Building 1 South  
103 South Main St.  
Waterbury, VT

Here’s a link to a map of the Waterbury Office Complex

<http://www.anr.state.vt.us/site/html/images/WaterburyMap.gif>

... and driving directions are

<http://www.anr.state.vt.us/site/html/images/wtrbryW.gif>



The TWG members were asked to notify Sivan by email if they could not participate at the proposed time. The date will be finalized within one week and an announcement sent out to the TWG members.

The tentative agenda for the next Energy TWG is:

1. Call to order, roll call, and approval of prior meeting summary
2. Review of the results of balloting
3. Discussion and modification of selected priorities
4. Agenda, date and time for next meeting
5. Call to the public
6. Announcements

#### **7. Public statements**

There were no members of the public present.

#### **8. Announcements**

There were no announcements.

Sivan Kartha ([skartha@sei-us.org](mailto:skartha@sei-us.org); 617-627-3786)

Bill Dougherty ([billd@sei-us.org](mailto:billd@sei-us.org); 617-627-3786)

Randy Strait ([randy.strait@pechan.com](mailto:randy.strait@pechan.com); 919-493-3144x118)

Ken Colburn ([kcolburn@symbioticstrategies.com](mailto:kcolburn@symbioticstrategies.com)); 617-784-6975)

Jeff Merrell ([jeff.merrell@state.vt.us](mailto:jeff.merrell@state.vt.us); 802-241-3859)