

MARIN COUNTY HAZARDOUS & SOLID WASTE
MANAGEMENT JOINT POWERS AUTHORITY

AB 939 LOCAL TASK FORCE

Wednesday, August 13, 2008
Suite 200-A Conference Room
65 Mitchell Blvd., San Rafael

9:00 -10:30 AM

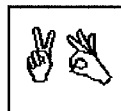
AGENDA

Call to Order.

- 1) Open Time for Public Comment.
- 2) Approval of the July 2, 2008 JPA Local Task Force Minutes (Action – 10 Minutes).
- 3) Food Scrap Management Position Paper (Action – 45 Minutes).
- 4) Redwood Landfill Food Scrap Composting Proposal (Informational – 10 Minutes).
- 5) Subcommittee Reports (Information – 25 Minutes).
 - a) Mitigation Fee.
 - b) Construction and Demolition Material.
 - c) Solid Waste Rates.
- 6) Adjourn.

The full agenda including staff reports can be viewed at
www.marinrecycles.org/mins_agendas.cfm

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Contact the County's Waste Management Division, at 499-6647 for more information

Draft**MARIN COUNTY HAZARDOUS & SOLID WASTE
MANAGEMENT JOINT POWERS AUTHORITY**

AB 939 Local Task Force Meeting
 Wednesday, July 2, 2008
 Suite 200-A Conference Room
 65 Mitchell Blvd., San Rafael

MINUTES**MEMBERS PRESENT**

Tom Gaffney, Ross Valley Cities
 Patricia Garbarino, Marin Sanitary
 Jon Elam, Tamalpais CSD
 Trip Allen, Environmental
 Ramin Khany, Redwood Landfill
 Kim Huff, Southern Marin Cities
 Tamara Hull, Environmental
 Tania Levy, Unincorporated Area

MEMBERS ABSENT

Greg Christie, Bay Cities (Alternate)
 Loretta Figueroa, Almonte Sanitary District
 Terry Cosgrove, San Rafael
 Matt McCarron, Novato

STAFF PRESENT

Alex Soulard, JPA Staff
 Kemplen Robbins, JPA Staff
 Nancy Grisham, Marin County Counsel

OTHERS PRESENT

Judy Schriebman, Las Gallinas San Dist.
 Steve McCaffrey, Redwood Empire Disp.
 Jim Iavarone, Mill Valley Refuse
 Dave Della Zappa, Mill Valley Refuse

1. Call to Order. The Local Task Force Meeting came to order at 9:06 AM.
2. Approval of JPA Local Task Force Minutes. M/s Elam, Hull to approve the April 2, 2008 and May 7, 2008 meeting minutes. Motion approved unanimously.
3. Presentation by Nancy Grisham of County Counsel. Staff introduced Nancy Grisham of County Counsel to speak on issues requested by the Task Force. Nancy Grisham made a presentation on quorum requirements, ethics, conflicts of interest and legal processes. Grisham explained ground rules for the presentation and discussed the roles of Local Task Force Members. She explained that JPA meetings do not require a specific level of formality; notice, an opportunity to be heard and a fair decision maker are basic rules of due process for this style of meeting. The JPA has not adopted bylaws a quorum only has to be a majority. Task Force members asked what the best way was for establishing rules for the Local Task Force meetings and requested that Counsel review the Task Force's procedures and determine if members need to submit Form 700 regarding financial conflicts of interest. Nancy Grisham stated she would attend another meeting after members submit questions to clarify any additional matters. Grisham showed a video called Boards and Commissions Training Video provided by the County of Marin.

4. Food waste Composting Subcommittee Position Paper. Staff reported that the food waste composting subcommittee created a position paper to provide direction for the JPA. This paper is meant to be reviewed and edited by the Local Task Force then forwarded to the Executive Committee as a recommendation. The paper identifies possible programs, barriers and the need for local processing of organics. LTF members discussed the paper, making suggestions and corrections. Due to time constraints it was suggested that staff coordinate another Foodwaste Composting Subcommittee meeting where members could fully edit the document. Staff would then circulate a copy to LTF members and place the edited version on the next meeting agenda.
5. Subcommittee Reports. No reports were given.
6. Open Time. Trip Allen suggested that the Local Task Force have a waste characterization study done.
7. Adjourn. The Task Force agreed to continue food waste composting and move Subcommittee Reports to the next meeting held on August 13th, 2008 at 65 Mitchell Blvd, Suite 200B, San Rafael.

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MARIN COUNTY HAZARDOUS AND SOLID WASTE MANAGEMENT JOINT POWERS AUTHORITY

Belvedere:

George Rodericks

Date: August 13, 2008

Corte Madera:

David Bracken

To: Local Task Force Members

County of Marin:

Matthew Hymel

From: Alex Soulard, Waste Management Specialist

Fairfax:

Michael Rock

Re: Food Scrap Position Paper

Larkspur:

Jean Bonander

The Food Scrap Management Subcommittee prepared a draft position paper (attached) specifying goals and objectives for the JPA to consider regarding the handling of food scraps in Marin.

Mill Valley:

Anne Montgomery

At your Task Force's July 2, 2008 meeting a draft of the position paper was presented to the group for comment and editing before adoption.

Novato:

Daniel Keen

Many comments were received and staff was asked to coordinate an additional food waste subcommittee meeting to circulate the document and to place it on your agenda for action.

Ross:

Gary Broad

As directed, staff circulated the document following an additional subcommittee meeting. Many comments were received by staff and were incorporated into the document. Due to the variety and extensiveness of edits staff has provided a copy of the document with highlighted edits and requests that the remainder of edits, if any, be done in a public forum.

San Anselmo:

Debbie Stutsman

San Rafael:

Ken Nordhoff

Sausalito:

Adam Politzer

Staff requests your committee discuss and provide final edits to this document and approve the document for presentation to the Executive Committee.

Tiburon:

Margaret Curran

Attachment

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August 13, 2008

Food Scrap Diversion Position Paper

Whereas, the Marin County Board of Supervisors, the Marin County Hazardous and Solid Waste Management Joint Powers Authority (JPA), the Town of Fairfax, and the City of Novato have unanimously adopted the goal of Zero Waste by 2025 in accordance with AB 939; Therefore, the Marin County Hazardous and Solid Waste Management Joint Powers Authority AB939 Local Task Force has prepared this document with the aim of diverting all of the county's food scraps from our landfills.

~~We hold these truths to be self-evident:~~

- Organic materials comprise over 30 percent of the waste stream disposed in California landfills. (CIWMB 6/17/08 Agenda Item 11: Discussion of Potential Options for the Organic Diversion Facilities Project)
- The CIWMB has identified that food scraps comprises 16% of all disposed materials going into landfills from California businesses, residents, and institutions such as schools and prisons.
- Although green material collection programs have been implemented in Marin County, management of food scraps provides an additional opportunity to help meet county diversion goals as well as provide greater uses for this resource.
- A suggested order for food scrap management is to (1) prevent food waste, (2) use prepared pre-consumer food to directly feed people (3) use post-consumer food and food scraps to directly feed animals (4) divert food scraps using composting, rendering, vermicomposting, anaerobic digestion, gasification, hydrolysis, and other conversion technologies.
- For purposes of this document, our committee is focused on supporting our local municipalities with diversion through composting. Our research has found that most businesses and farms have been resourceful in preventing food waste, reducing food waste by feeding people and animals, and diverting food scraps through rendering.
- Food service establishments have Fats, Oils, and Grease (FOG) Programs that collect these materials for possible diversion. The residential sector waste stream and remainder of the commercial sector waste stream do not collect these materials separately for possible diversion.
- Food scraps, green material, and combined organics can be diverted to produce: vermicompost, compost, food chemicals, biofuels and bioenergy.
- Ideally, food scraps should be managed starting from the most localized process and expanded to where it can most efficiently be collected, hauled and utilized for its highest and best purposes.
- Marin County has the infrastructure for collection and hauling of food scraps but does not have regional facilities for food composting, other than a pilot program at the Marin Resource Recovery Center.

- Residential on-site composting and vermicomposting of food scraps, green material, and combined organics currently exists in Marin County.
- Anaerobic digestion versus aerobic digestion is an attractive option for stabilization of organic wastes and conversion of energy crops and organic wastes to methane (biogas) and compost. Biogas is a desirable energy product which can be used directly or upgraded by removal of carbon dioxide and hydrogen sulfide. Aerobic digestion (most widely used for current organics recycling) is great for compost production but does not yield energy.

LIMITATIONS:

Listed below are some of the current limitations that our committee has identified:

- Difficulty of siting permits for organic diversion facilities. This includes compost, conversion technology, chipping and grinding, and transfer stations. (CIWMB 6/17/08 Agenda Item 11: Discussion of Potential Options for the Organic Diversion Facilities Project)
- Air Resources Board (CARB) tight restrictions for organic diversion operations
- Property tax reduction to municipalities that site compost facilities over residential/commercial development
- Aesthetics / NIMBYISM
- Evergreen contracts that restrict collection and hauling to franchise haulers exclusively
- Additional expenses to communities for separate food scraps collection and hauling and capital expenditures on composting equipment and labor.
- Traffic increases to organic diversion facilities because of separate collection and hauling requirements.
- Public perception that food scraps are not a valuable resource
- Potential for issues such as vectors, noise, odors, litter and air-borne particulates at organic diversion facilities if not well managed.
- Limited knowledge of the current waste characterization of the commercial sector, residential sector and self-haul sector waste streams in Marin County.

SECTORS:

There are several sectors for managing food scraps diversion; whether on-site or for collection and transport to a regional organic diversion facility. We've identified four primary sectors listed below. Each sector has different considerations and approaches to organic diversion whether on-site or taken to a regional organic diversion facility and therefore requires different approaches for incentives, expenses and promotion.

- Residential on-site and collection
- Commercial/business on-site and collection
- Community events on-site and collection
- Agricultural on-site and collection

SUGGESTIONS:

Below are some suggestions and recommendations that we have identified to help reduce or eliminate some of the limitations we've listed above as well as to promote and incentivize more on-site organic diversion.

STATE LEGISLATION

At the State level, we suggest that the JPA and BOS:

- Work with Air Resource Board (CARB) to foster and promote food scraps/ green materials diversion over landfilling.
- Work with Jared Huffman's office, et al, to promote state legislation to have food scraps diversion added to the General Plan that includes financial incentives and/or fines for non-compliance. This will aid local agencies with siting/permitting issues.
- Work with CIWMB to support legislation that allows landfill(s) to be permitted for a compost facility separate from their current waste management business operations that could allow for other businesses to operate the compost facility at the landfill.

REGIONAL LEGISLATION

Many Bay Area counties such as San Francisco, Alameda and Santa Cruz have excellent food scraps diversion programs. We can make use of what they have learned and model our programs on theirs to save time and money where appropriate. In addition, these are some of our thoughts and suggestions at the regional level.

- Site at least one scraps facility along the Highway 101 corridor for East Marin and a second in West Marin.
- The JPA and each municipality create a way to ease the permitting process for siting organic diversion facilities and develop mitigation measures for obstacles.
- Institutions and commercial businesses that produce larger amounts of food scraps are encouraged to do on-site diversion. This has the potential incentive of reducing refuse collection costs.

FRANCHISE HAULERS

We suggest that the county support the following measures for our franchise haulers:

- Franchise haulers for each community should be required to collect and haul the combined organics in the green material bins currently being used for residential collection.
- When possible, trucks hauling organic material to organic conversion facilities should reverse haul products for distribution to the community. (This program already exists in Berkeley.)

EDUCATION AND COMMUNITY PROMOTION

- Marin Art and Garden Center would like to offer home composting and worm bins at subsidized prices to people who take their Master Composter Program. They also have an active compost demonstration area open to the public. As partners in education, their program would greatly support residential on-site composting. (See Attachment 4 for more details.)

- Marin County Solid Waste JPA has budgeted \$5,000 for an organics (food scraps?) management program yet to be earmarked. This money could be used to support MAGC program mentioned above.
- Community outreach should be initiated to engage residents and businesses in the proposed facility(ies) to address local concerns and develop community support; Marin's active environmental community can be approached as partners in this outreach.
- Community events should be considered for on-site organic diversion and educational opportunities.

FINANCIALS

We suggest the following fees and incentives to help with food scraps diversion.

- Collect additional waste collection fees/tipping fees for food scraps management.
- Research innovative financing for capital expenditures for organic diversion facilities.
- Evaluate costs of going to weekly green waste residential collection (vs. every other week) as a transition to then reducing trash (black can) pick up to bi-weekly.
- Municipalities who participate in easing the permit process for organic diversion facilities should be incentivized through additional collection funds.

COMPOST PRODUCT RESOURCES

Below are links to diversion products that Alameda and Santa Cruz counties offer to their residents at cost:

<http://www.stopwaste.org/home/index.asp?page=175>

<http://composters.com/santacruz/santacruz.shtml>

OTHER RESOURCES:

http://www.recyclemore.org/services_work.asp?servicekey=8&servicetype=greenwaste

<http://www.newdream.org/lgbym/2008/06/how-i-discovered-vermicomposting/>

<http://www.wormwoman.com/acatalog/index.html>

<http://www.gmt-organic.com/EarthTub/faq.php>

<http://www.ciwmb.ca.gov/FoodWaste/>

<http://www.ciwmb.ca.gov/FoodWaste/Compost/>

ATTACHMENTS:

1. Marin County Zero Waste Resolution
2. Novato/Fairfax/San Anselmo/Marin JPA—links to their zero waste resolutions
3. Groups working for Sustainability/Zero Waste
4. Marin Art and Garden Proposal for Compost Education/Bin support program

Attachment 1:

MARIN COUNTY ZERO WASTE RESOLUTION

RESOLUTION NO. 2007-_____

**RESOLUTION OF THE MARIN COUNTY BOARD OF SUPERVISORS
ADOPTING THE GOAL OF ZERO WASTE BY 2025**

WHEREAS, the California Integrated Waste Management Act of 1989 (AB 939) required all California jurisdictions to achieve a landfill diversion rate of 50% by the year 2000, and to reduce, reuse, recycle; and to compost all discarded materials to the maximum extent feasible before any landfilling or other destructive disposal method is used; and

WHEREAS, the County of Marin has established itself as a state leader in waste diversion and sustainability practices by exceeding the requirements of AB 939 to achieve a 77% diversion rate in 2004 and is constantly looking for innovative ways to decrease waste; and

WHEREAS, in 2001 the California Integrated Waste Management Board set a goal of Zero Waste in its strategic plan for the state; and cities, councils, counties, and states worldwide have adopted a goal of achieving zero waste, including the counties of San Francisco, Santa Cruz, San Luis Obispo, and Del Norte in California; the cities of Palo Alto, Oakland and Berkeley in California, Seattle in Washington, Toronto in Canada, and Canberra in Australia; and the state of New South Wales in Australia; and 45% of New Zealand's local government councils; and

WHEREAS, strategies to reach zero waste can help to promote the over-arching goal of each generation leaving less of an ecological footprint on the earth; and

WHEREAS, on February 14, 2006 the Marin County Board of Supervisors signed the United Nations World Environment Day Urban Environmental Accords, pledging that the County of Marin would implement 21 action steps toward sustainability in the areas of energy, waste reduction, urban design, transportation, environmental health, and water including: Establish a policy to achieve zero waste; and

WHEREAS, the Marin County Hazardous and Solid Waste Management Joint Powers Authority passed a Zero Waste resolution on November 9TH 2006.

NOW, THEREFORE, BE IT RESOLVED, that the County of Marin joins the Marin County Hazardous and Solid Waste Management Joint Powers Authority ("JPA") representing the eleven cities and towns of Marin and the County of Marin, and hereby adopts the goal of 80% landfill

diversion by 2012 and a Zero Waste Goal by 2025.

BE IT FURTHER RESOLVED, that the County of Marin, through the JPA, will support the review of the Regional Integrated Waste Management Plan and the development of a Strategic Plan that will provide guidance in the planning and decision-making process to achieve the County's Zero Waste Goal.

BE IT FURTHER RESOLVED, that the County of Marin will partner with regional and international communities to actively pursue strategies that will go beyond reuse and recycling to eliminate waste upstream.

PASSED AND ADOPTED at a regular meeting of the Board of Supervisors of the County of Marin held on this 17th day of April, 2007, by the following vote:

(Unanimously adopted by the Board of Supervisors)

Attachment 2:

Novato City Council Zero Waste Ordinance of 2007:

http://www.ci.novato.ca.us/agendas/pdfstaffreports/cc07_099.pdf

Fairfax Zero Waste Ordinance:

http://www.greenpolicy.us/Fairfax%2C_CA_Adoption_of_Zero_Waste_as_a_Goal

JPA Zero Waste Resolution passed on Nov. 9th, 2006

<http://marinrecycles.org/Minutes/06-11-09.doc>

Attachment 3:

Groups working for Sustainability/Zero Waste

Sustainable Novato:

<http://www.sustainablenovato.org/success.html>

Green Sangha

<http://www.greensangha.org/>

Sustainable Marin

<http://www.sustainablemarin.org/>

Sustainable San Rafael

<http://www.sustainableسانrafael.org/>

Sustainable Fairfax

<http://www.sustainablefairfax.org>

Grassroots recycling Network

<http://www.grn.org/>

Zero Waste International Alliance

<http://zwia.org/membership.html>

Attachment 4:

Marin Art & Garden Center
Marin Home Composting Center Proposal

Background

The Marin Art & Garden Center is an 11 acre community center established in 1945. The grounds were certified in 2006 by the National Wildlife Federation as a habitat sanctuary. The gardens are maintained using 'Bay Friendly' methods; much of our yard waste is composted and utilized as the preferred method of fertilization for lawns, shrub borders and flower beds. The Center gardens, including our composting demonstration site, are always open to the public. County Waste Management provides for an ad in the Marin Yellow Pages listing MAGC as the resource for information on home composting.

Many Bay Area counties currently provide subsidies for composting bins to homeowners who wish to engage in the practice of composting at home; Marin County does not at this point.

Charlotte Torgovitsky, director of education at the Marin Art & Garden Center, has utilized the Center's composting demonstration site to teach hands-on workshops on home composting for UCCE Marin Master Gardeners, as well as offering comprehensive composting classes to the public through the College of Marin's Adult Community Education.

In addition, the Marin Art & Garden Center is entering into a partnership with Marin Municipal Water District and MCSTOPPP to provide Bay-Friendly Gardening classes to Marin residents. These classes have been developed by the Watershed Project and StopWaste in Alameda County, and are very popular and effective in teaching gardening practices in tune with our local ecology.

The emphasis of all Bay-Friendly classes is that of a sustainable, organic, resource conscious approach to home gardening. One of the classes in the series teaches and demonstrates several methods of home composting. Another class in the series focuses on Composting with Worms.

Four classes were offered at MAGC in July, 2008, to pilot the program in Marin. Three classes in the series of seven are being offered again this fall at MAGC.

Concept – What will this Program do?

By establishing an on-going educational program, to be headquartered at the Marin Art & Garden Center, we will educate, motivate and encourage more Marin County residents to compost at home.

By providing a subsidy for compost bins at a reduced price we will also be providing a financial incentive for home composting.

More residents composting at home will help the county achieve sustainability goals by reducing the waste stream to our landfill. Various groups and clubs interested in achieving 'zero waste' at their functions can be encouraged to participate in the composting efforts at MAGC.

High school students, either through their schools or special interest groups (such as the Drake High Mountain Biking Team) or through affiliation with the Marin Conservation Corps, can participate in the composting process at MAGC, and can be encouraged to become part of the educational efforts.

Establish a partnership among relevant organizations within the county to guide and support this effort.

Program Elements & Potential Program Partners

Marin Art & Garden Center

- would provide the Composting Demonstration Site for hands-on workshops and as a permanent self-guided informational site
- would offer classes geared to trainers to help develop a 'Marin Master Composters Corps'
- would offer regularly scheduled classes to the public (classes could be targeted to adults, families, children and other specific audiences) and could be offered at a minimal fee, or at no charge, depending on funding provided
- would help promote and market composting classes by incorporating these efforts into public relations for Center educational efforts
- Charlotte Torgovitsky is a judge at County Fair for Best Compost and will be offering a worm composting demonstration – this opportunity will be leveraged to announce program

Marin County Hazardous and Solid Waste Management JPA

- would continue to include MAGC in Yellow Page advertising, specifically mentioning county-wide composting education program
- would help off-set cost of teacher training
- would create a municipal partnership with a compost bin manufacturer (or retailer) in order to provide bins at a reduced cost to residents completing a 'home composting course' at MAGC
- would off-set cost of part-time internship for compost site manager
- would help with promotion of program in on-going communications

MCSTOPPP

- would help develop subsidy program for composting bins either through a municipal partnership with a manufacturer a partnering retailer
- would help provide educational materials to be used for instruction
- would help in promotion of program in on-going communications

Marin Sanitary District

- would help with development of composting bin subsidy program
would help with promotion of program in on-going communications including monthly billing would sponsor a paid internship student internship to over-see and manage the MAGC Composting Demonstration Site
- would contribute to production and distribution costs for Marin County Composting Guide.

Marin Municipal Water District

- would help with promotion of program in on-going communications including monthly billing.

UCCE Marin Master Gardeners

A potential source of composting instructors

Request for Support

Marin Art & Garden Center is requesting that a collaborative effort be initiated, including all of the groups noted above and others deemed relevant, to enable initiation of a program regularly recurring classes, taught in a hands-on workshop fashion, utilizing the Composting Demonstration Site at MAGC.

‘Home Composting made Easy’, at a fee of \$35, with Charlotte Torgovitsky as instructor and registration is through the College of Marin, Adult Community Ed, was most recently offered on July 19.th

The primary elements necessary to be able to begin are agreement from partners to help MAGC off-set costs of program materials (estimated to be no more than \$5k), the cost of hiring a high school intern as part-time site manager (estimated at \$7-10k) as well as identifying the specifics of a subsidy program for bins.

MAGC would like to suggest the following expenditures ;
\$500 ear-marked to develop self-guided educational signage for the Composting Demonstration Site, as well as creating a simple facility to dispense educational brochures to Marin residents utilizing the site.

\$2,500 should be allocated to training a core group of ‘Master Composters’ ;
as well as providing a stipend for trained teachers to teach the pilot programs.

\$2,000 allocated to providing Compost Bins at a subsidized price to Marin County residents who have completed the composting class.

Once we have established a core of trained teachers (to teach what we hope will be a greatly expanded schedule of classes) we would also hope to be able to raise the dollars necessary to reimburse them for their time.

We recognize that we are asking for coordination between a number of groups on a fairly rapid timetable. However, we believe that the need is significant for this program – and that MAGC has most of the elements already in place.

We would like to suggest that a preliminary meeting to discuss potential and process be scheduled as soon as possible. We will be contacting you the week of April 29th to discuss setting up such a meeting.

MARIN COUNTY HAZARDOUS AND SOLID WASTE MANAGEMENT JOINT POWERS AUTHORITY

Belvedere:
George Rodericks

Corte Madera:
David Bracken

Date: August 13, 2008

County of Marin:
Matthew Hymel

To: Local Task Force Members

Fairfax:
Michael Rock

From: Alex Soulard, Waste Management Specialist

Larkspur:
Jean Bonander

Re: Redwood Landfill Food Scrap Composting Proposal

Mill Valley:
Anne Montgomery

At your July 2, 2008 AB 939 Local Task Force meeting, the Task Force requested staff place Redwood Landfill's expanded food scrap composting proposal on this agenda for discussion.

Novato:
Daniel Keen

At this time, Redwood Landfill, the California Integrated Waste Management Board, and the Local Enforcement Agency's work on the expanded food scrap proposal is not complete. Staff will continue to follow development of Redwood's compost facility proposal and report back to your Task Force when the details of the proposal are available.

Ross:
Gary Broad

San Anselmo:
Debbie Stutsman

San Rafael:
Ken Nordhoff

Sausalito:
Adam Politzer

Tiburon:
Margaret Curran

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