

**NOVATO SANITARY DISTRICT
Solid Waste Committee**

Meeting Date: November 13, 2012

The Solid Waste Committee of Novato Sanitary District will hold a meeting at 3:00pm, Tuesday, November 13, 2012 at the District offices, 500 Davidson Street, Novato CA

AGENDA

1. APPROVE AGENDA

2. PUBLIC COMMENT: (PLEASE OBSERVE A THREE MINUTE TIME LIMIT.)

This item is to allow anyone present to speak on an item not on the agenda, or to request consideration to place on item on a future agenda. No action will be taken by the Committee at this time as a result of public comments made

3. CONSIDER APPROVAL OF MEETING MINUTES OF AUGUST 28, 2012

4. UPDATES/ROUTINE BUSINESS ITEMS:

- a. City of Novato
- b. Novato Disposal
- c. Marin County JPA and Local Task Force
- d. Legislation

5. SOLID WASTE ORDINANCE:

- a. Report on enforcement procedure
- b. Ordinance update schedule

6. ZERO WASTE PROGRAMS STATUS:

- a. 2012 Public Outreach Events update
- b. AB32 Multifamily/Commercial Recycling Outreach

7. HOUSEHOLD HAZARDOUS WASTE PROGRAMS:

- a. Fall E-Waste event report and schedule 2013 E-waste events
- b. 2012 Household Hazardous Waste (HHW) programs update
- c. Paintcare program and contract update

8. 2012 DISPOSAL/DIVERSION MONITORING REPORT

9. 1ST QUARTER FISCAL YEAR PROGRAM BUDGET REPORT

10. ADJOURN

In compliance with the American with Disabilities Act, if you need special assistance to participate in this meeting, please contact the District offices at (415) 892-1694 during their regular business hours, at least 24 hours prior to the scheduled meeting. This will enable the District to make reasonable accommodation to help ensure accessibility to this meeting.

Materials that are public records and that relate to an agenda item will be made available for public inspection at the District offices, 500 Davidson Street, Novato, CA, during regular business hours.

**NOVATO SANITARY DISTRICT
SOLID WASTE COMMITTEE MEETING
August 28, 2012
3:00-4:00pm**

MINUTES

Members Present:

Dennis Welsh Mike DiGiorgio

Others in Attendance:

Beverly James Dee Johnson Casey Williams
Bessie Martinez Steve McCaffrey Delyn Kies

1. Approve agenda. The agenda for August 28, 2012 was approved as submitted.
2. Minutes of May 21, 2012. The minutes of May 21, 2012 were accepted as submitted.
3. Open Time for Public Comment. Mike DiGiorgio and Dennis Welsh were welcomed as new committee members.
4. Updates/Routine Business Items.
 - City of Novato. There was no update from the City.
 - Novato Disposal. Steve McCaffrey and Casey Williams updated the Committee on the 2nd Quarter report. Steve remarked that the 20 gallon can accounts have increased, while 95 gallon cans have decreased. Mike DiGiorgio asked about recycling bins at multi-family and commercial accounts. Steve indicated that, depending on the account, debris boxes or rolling carts are used for recycling.
 - Marin County JPA and Local Task Force. Nothing to report on the JPA Board. The Local Task Force is looking at setting program priorities for 2013.
 - Legislation. Dee indicated that several bills were still active in the legislature, including AB1442 on pharmaceutical waste, SB1118 on used mattress recycling, SB1329 on prescription drug collection and SB568 on recycling polystyrene food containers. SB1219, signed by the Governor, extended the requirement for store recycling of plastic bags through 2020. In addition, Alameda County adopted a local ordinance requiring pharmaceutical manufacturers to take back unwanted medications.
5. Set Committee Schedule for FY2012/2013. Committee members set the following dates and time for meetings in FY2012/13: Tuesday, November 13, 2012; Tuesday, February 19, 2013 and Tuesday, May 21, 2013. All meetings will be held from 3:00-4:00pm at the District offices.
6. Zero Waste Programs Status. Dee and Casey Williams reviewed the Zero Waste programs calendar/timeline. Casey indicated that a zero waste article would be featured in the fall newsletter. 20 gallon can use has increased 18.5% from the 2nd quarter 2011. Billing inserts were sent to the approximately 325 95 gal. can customers, to encourage them to reduce their can size and increase recycling. Follow-up will be conducted in the fall/winter. Two of the 4 City waste audits have been completed. The City HOA list has been updated to assist in discussions to provide green can service to some multifamily residences and increase multifamily recycling. Novato Disposal will be conducting selected green can audits to determine participation in the food scrap program. Novato Disposal will be working on the commercial food waste program by targeting supermarkets and restaurants. Redwood has agreed to accept commercial food waste within 3 months. Dennis Welsh expressed concern regarding overflowing dumpsters and questioned how to enforce this from happening. Beverly James indicated that the District has an inspector who will conduct inspections on overflowing bins when a complaint is received and the solid waste ordinance can be enforced. Steve McCaffrey also indicated that size of bin and frequency of pick-up are important. Dee and Novato Disposal staff will be working on promoting AB32/AB341 mandatory commercial/multifamily recycling
 - 2012 Public Outreach Events update. Seven outreach events have been completed this year, including the Chamber Business Fair, the School Tour of Novato, Spring E-Waste event, Novato Clean and Green day, Art and Wine Festival, 4th of July Parade and Novato Farmer's market.. Upcoming events include the Sr. Center Health Fair, fall E-Waste event and Hamilton Harvest festival.

- Mandatory Multifamily/Commercial Outreach. Dee reviewed the requirements of AB341, the mandatory recycling legislation for commercial and multifamily properties. The District is required to ensure that the recycling program already in place is provided to all multifamily units and businesses subject to the regulation and to provide education, outreach and monitoring services to all users. Outreach conducted to date includes billing inserts, updates to District web page, Novato Patch ad, updating HOA list and visits to commercial and multifamily accounts. Future outreach will include newsletter articles, site visits, targeting large multifamily units and contacting property management firms. Mike DiGiorgio suggested contacting the Marin Local Apartment Association (MIPA).
7. Household Hazardous Waste Programs.
 - Fall E-Waste Event. Dee indicated that the fall event will be held over 3 days from Saturday October 13 through Monday, October 15, 2012.
 - 2012 HHW programs update. Dee indicated that July and August participation was very high.
 - HHW Facility Schedule for 2013. Dee distributed the schedule for the HHW facility for 2013.
 8. 2012 Disposal/Diversion monitoring report and 2011 Per Capita Disposal report. Dee reviewed the reports, indicating that Novato Disposal reported a significant diversion increase – 53% to 56% - from 1st quarter to 2nd quarter. (2nd quarter countywide data was not yet available.) Novato is well below the per capita disposal rate for 2011, recording a disposal rate of 1.84 pounds per person per day – 52% below the base period per capita rate of 3.81 pounds per person per day.
 9. Adjourn. The next Committee meeting is scheduled for Tuesday, November 13, 2012 at 3:00pm at the District office. The meeting adjourned at 4:15pm.

CITY OF NOVATO
3rd Quarterly Report
July- September 2012

Submitted by Novato Disposal Service

A. Solid Waste Data

A. Tons Delivered to Disposal Site

		This Quarter	Same Quarter One Year Ago
Residential	*	3,565.81	4,219.68
Commercial	**	2,801.70	3,315.46
TOTAL:		6,367.51	7,535.14

*includes commercial/multifamily locations served with carts

**includes multifamily accounts service with bins

B. Recycling Data

Tons Collected and Processed

This Quarter:	3,675.86
Same Quarter One Year Ago	4,502.33

Commodity	Curbside	Buyback	Total
	Commercial Multifamily Residential		
Cardboard	591.56	-	591.56
Paper (News & Mixed)	1,901.84	-	1,901.84
Recycling (Overages)*	94.85	-	94.85
Aluminum Cans & Foil	6.55	13.12	19.67
Metal Cans	29.46	-	29.46
**Glass	676.04	88.29	764.33
Plastic PET	54.33	-	54.33
Plastic NHDPE	9.86	.51	10.37
Plastic CHDPE	16.73	-	16.73
Plastic All Other	174.92	4.82	179.74
Other diverted materials	12.98	-	12.98
Total	3,569.12	106.74	3,675.86

* Please note this number was included in Mixed Paper in past reports.

**This includes glass overages

***Previous reports included C&D

C. Greenwaste Data

Tons Collected and Processed

This Quarter:	3,110.68
Same Quarter One Year Ago:	3,210.22
Food Waste:	36.25
Wood Waste:	20.20

Final Disposition:

All green waste was used as compost.

D. Construction and Demolition Data, including inert solids

Tons Collected and Processed

This Quarter:	1,345.29
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E. Service Accounts

Residential Cart Weekly		Same Quarter One Year Ago
Can size	Number of Customers	Number of Customers
20 gallon	1,539	1,269
32 gallon	11,411	11,407
68 gallon	3,093	3,199
95 gallon	314	342
Non-Auto	8	9

Multifamily Cart Customers**			Cart Amt. ,Same Quarter One Year Ago**	
Can size	Weekly	2 or more times weekly	Weekly	2 or more times weekly
20 gallon	1	0	1	0
32 gallon	22	0	19	0
68 gallon	12	4	18	0
95 gallon	7	1	6	1

Multifamily Bin Customers				Same Quarter One Year Ago		
Bin size	Weekly	2 times weekly	3 or more times weekly	Weekly	2 times weekly	3 or more times weekly

2 yd.	18	3	1	18	3	2
3 yd.	26	24	25	40	41	58
4 yd.	0	0	1	0	0	1
6 yd.	1	0	2	1	0	7

Commercial Cart Weekly		Same Quarter One Year Ago
Can size	Number of Customers	Number of Customers
20 gallon	0	0
32 gallon	124	128
68 gallon	115	128
95 gallon	108	118

Commercial Bin Customers				Same Quarter One Year Ago		
Bin size	Weekly	2 times weekly	3 or more times weekly	Weekly	2 times weekly	3 or more times weekly
2 yd.	92	9	1	96	9	0
3 yd.	159	94	70	164	110	82
4 yd.	5	4	1	0	0	1
6 yd.	4	3	8	5	3	7

Commercial Special Service*		Same Quarter One Year Ago
Bin Size	Number of Customers	Number of Customers
3 yd.	9	7
15 yd.	2	2
20 yd.	3	2
30 yd.	3	3
Compactor	10	8

*Special service is bimonthly, monthly, on-call or other irregular service

F. Noteworthy Actions

Community Education/Outreach

- Novato Disposal Outreach staff followed up with Jessica from Vintage Oaks at Novato. Client requested to increase recycling services, and had questions about contamination protocol.
- Novato Disposal Outreach staff spoke with owner from Golden Egg Omelet House. We explained our recycle programs available, dropped off a business packet and answered any questions.

- Novato Disposal Outreach staff met with Kelly from Eugene Management. We provided an educational presentation about recycling to homeowners from Captains Landing prior to their monthly homeowners meeting. We also introduced the possibilities of adding a compost program to the complex.
- Novato Disposal Outreach staff updated bins all along Sherman Ave for City of Novato.
- Novato Disposal Outreach staff conducted a residential food scrap participation audit. Each day for five days we looked in 100 cans a day. A week long study showed that 34.20% of various residences are composting food scraps. Considering areas and amounts of yard waste versus food scraps produced by each customer we see potential for increase.
- Novato Disposal Service results for Novato Art & Wine Festival: Garbage: 2.15 tons, (NBCC) Recycle: .74 tons, Compost: 4.8 tons estimated.

Schools

- Novato Disposal Outreach staff provided two assemblies to the student body at Rancho Elementary. The students were refreshed and guided through the latest recycle updates. We also answered questions from the principal and children during the presentation.
- Novato Disposal Outreach staff teamed up with NBCC and provided class to class presentations at San Ramon Elementary. With eager volunteers, started up a green team and helped out with lunch time observation.

G. Additional Information

Mailers

Please find attached:

- All multi-family units were sent a business packet describing services available through Novato Disposal. We have since received feedback from a few complexes in terms of outreach on site to tenants with our recycling door hangers. Also providing site visits with property owners or managers to assess and increase recycle efforts. Customers contacted:

Recycle Door Hanger Participation: Multi- Family				
Customer Contacted	Participating	# of units	RRY Serv.	Yard Waste
1029 Second St Apts	Yes	9	2-95gal	
Ali Lari	Yes	4	4-95gal	
Carrie Cooley	LM		1-95gal	
1121 Third St Apartment	Yes	4	2-95gal	
Carlotta Apartment	LM			
Bermuda Harbour	LM		3yd bin	
Center Place HOA	LM		2-3yd bins	
Country Club Apartments	Yes	24	2yd bins	
Creekside Apartments	Yes	32	2yd bin	
Captains Landing Owners	Yes	66	2-2yd	
Cedar Creek Homeowner	Yes	45	6-96gal	
Bridge Creek Apartments	LM		3-95gal	

- New start post cards
- 20gal promotional mailer was sent to all 95gal garbage container customers.
- Novato Disposal Recycle News Fall 2012 edition mailed out to all NDS customers. Focused on Responsible E-Waste Recycling in Novato. Since 2003 a partnership between NDS, NSD, and ECS Refining has helped provide a safe and convenient way to get rid of old or unwanted electronic waste with a free drop off event each Spring and Fall. This newsletters also listed the e-waste event calendar, answered frequent hazardous waste questions, noted holiday tree recycling locations and resources, cooking oil recycling. Like all newsletters, contained a single stream recycling guide, yard waste guide, notes from customer service and provided resources for toxic and hazardous waste disposal.

Donations

Novato Disposal provided the following donations:

- Novato Disposal Service donated (1) 4yd garbage bin to Presbyterian Church of Novato for Buckaroo Breakfast on July 2, 2012.
- Novato Disposal Service donated (24) 68gal garbage, (24) 68gal recycle cans to Downtown Novato Business Assoc. for 4th of July Parade on July 4, 2012.
- Novato Disposal Service donated (2) 4yd recycle bins, (10) 64gal recycle cans to Marin Swim League for 2012 Champs Swim Meet on July 13, 2012.
- Novato Disposal Service donated (1) 20yd garbage box to California Waterfowl for Sonoma/Marin Pig Feed on July 14, 2012.
- Novato Disposal Service donated (1) 20yd garbage, (1) 20yd recycle for ST Anthony of Padua Church for Annual Rummage Sale on July 17, 2012.
- Novato Disposal Service donated (1) 3yd garbage bin to Our Lady of Loretto School for Youth Ministry Golf Tournament on August 7. 2012.
- Novato Disposal Service donated (1) 3yd garbage bins to IDESI for Steak/Salmon BBQ on August 17, 2012.

2012 Public Outreach Events

Staffed participated in the following outreach events in 2012

March, 2012 – E-Waste Event – distributed handouts on HHW facility collection & bulky waste clean up

April, 2012 – Novato’s Clean and Green Day –Novato Disposal provided debris boxes and recycling containers

April 19, 2012 – Chamber Business Fair – staffed booth; gave out quizzes and distributed 50+ household battery buckets;

May 5, 2012 - School Tour of Novato – staffed booth with Novato Disposal; distributed 50+ piggy banks and 35+ battery buckets; conducted “recycle toss” game for kids; set up coloring/sticker table for kids to decorate piggy banks

June 9-10, 2012 – Novato Art & Wine Festival – staffed booth with Novato Disposal; distributed over 300 piggy banks and 300 “pop-up” clean and green sponges. Separate table set up for kids to decorate banks with crayons, stickers, etc. In order to win the piggy bank prize, kids had to spin the recycling wheel and answer a question based on a category, i.e., compost, toxics, recycling, etc. We received several compliments from parents saying they liked the idea we were teaching the kids something before we gave them a prize. Very busy event. Novato Disposal donated the porta potties; District contributed \$1,500. to assist with food waste recycling efforts.

4th of July Parade – Novato Disposal and District staff participated in the parade.

August 21, 2012 - Novato Farmer’s Market – staffed booth at Farmer’s Market with Novato Disposal; distributed over 25 food scrap compost buckets and 20 household battery collection containers

Sept 2012 - Pollution Prevention Week — District staff tabled at the Novato Farmer’s Market promoting pollution prevention

October, 2012 – Fall E-Waste Event – distributed handouts on HHW facility collection

October 11, 2012 – Senior Center Health Fair – staffed booth at Sr. Health Fair with Novato Disposal; distributed over 25 food scrap compost buckets, 20 battery

ITEM 6.a.

household battery collection containers. Also conducted a thermometer exchange and collected 6 mercury thermometers.

Additional Items:

1. Sr. Center Compost Workshop planned for fall will be conducted in Spring, 2013.
2. Rotary presentations - Novato Disposal and District staff will conduct presentations in early 2013.
3. Hamilton Harvest Festival – this event was changed to an Arts & Crafts Festival this year, not a family outreach program

CALENDAR/TIMETABLE FOR ZERO WASTE PROGRAMS IN FRANCHISE AGREEMENT

All items taken from Exhibits 4 through 6 of March 14, 2010 Solid Waste Franchise Agreement

EXHIBIT 4: Zero Waste Community Outreach

ITEM/GOAL	PERSON(S) RESPONSIBLE	TIMELINE	FINAL DUE DATE	OBJECTIVES/ ADDITIONAL ITEMS
1. Novato Disposal newsletters	Casey/Bessie	2 times a year	Notify District in Fall for dates of subsequent annual newsletters	1 Zero Waste feature article in each newsletter <i>Fall newsletter included E-Waste article</i>
2. Promote 20 gallon cans	Casey/Bessie	ongoing	ongoing	Promote in newsletters & bills <i>Note: 20 gal can use increased 21% from 3rd Q 2011</i>
3. Promote backyard compost bins	Steve/Casey/Bessie	ongoing	2012	Promote in newsletter, at events & with Backyard Compost classes run by Marin Food Scrap Coalition [or Marin Master Gardeners <i>Workshop at Senior Center - date to set in spring 2013</i>
4. 2 additional Outreach Campaigns promoting zero waste, waste reduction and/or other diversion	Steve/Casey	Ideas for 2012 campaign submitted; proposed 2013 campaign ideas	October of each year to District for approval	<u>2012 Outreach Campaigns:</u> 1. Target 95 gal. can customers to reduce can size ; <i>target with June billing insert; follow-up with special mailer to track progress; reduced 95 gal. can customers by 8% from 3rdQ 2011</i> 2. Target commercial customers to recycle <u>Proposed 2013 Outreach Campaigns</u> 1. Commercial & multifamily recycling outreach 2. Commercial food scraps composting

ITEM/GOAL	PERSON(S) RESPONSIBLE	TIMELINE	FINAL DUE DATE	OBJECTIVES/ ADDITIONAL ITEMS
1. Promote commercial audits to all businesses of 4 c.y. or greater	Scott/Dee	(see AB32 item)	(see AB32 Item)	Include in AB32 promotions
2. New customer packets to include Zero Waste promotions	Casey/Bessie	ongoing	ongoing	New customer to be directed to website; packets upon request and update annually
3. Visit all commercial businesses with 4 c.y. service or more and multi-family complexes of 5 units or more annually	Scott/Dee	(see AB32 item)	(see AB32 item)	Visits to determine service level, contact with owners of business and/or property managers; visits with multi-family also identify resident outreach methods; conduct presentations
4. Participate in 10 events annually	Steve/Casey/Bessie/Dee	Submit ideas for events to District by 4 th quarter of each year for following year	List submitted to District for 2013 events;	<p><u>2012 Events Completed:</u></p> <ul style="list-style-type: none"> ● Chamber Business Fair – April 19 ● Novato’s Clean and Green Day – April ● E-Waste Events handouts Spring ● School Tour of Novato – May 5 ● Novato’s Art & Wine Festival – June 9-10 ● Novato Farmer’s Markets – August 21 ● 4th of July Parade– ● Pollution Prevention Week Sept 17 23 ● Sr. Center Health Fair – October 11 ● E-Waste event handouts - Fall

ITEM/GOAL	PERSON(S) RESPONSIBLE	TIMELINE	FINAL DUE DATE	OBJECTIVES/ ADDITIONAL ITEMS
				<p><u>2013 Events Proposed</u></p> <ul style="list-style-type: none"> • Chamber Business Fair – April • Novato’s Clean and Green Day – April • E-Waste Events handouts Spring • School Tour of Novato – May • Novato’s Art & Wine Festival – June • Novato Farmer’s Markets – July and August • 4th of July Parade– • Pollution Prevention Week Sept • Sr. Center Health Fair – October • E-Waste event handouts - Fall • Rotary presentations – • Sr. Center Backyard Compost workshop – Spring • Hamilton Harvest or Hometown Festival – Fall
<p>5. Conduct annual retraining at schools on recycling & Zero Waste; participate in developing Zero Waste curricula for schools; offer Zero Waste & recycling programs for school assemblies</p>	<p>Bessie/MCC</p>	<p>(See Ex. 5 School Recycling and Food Waste Program)</p>	<p>(See Ex. 5 School Recycling and Food Waste Program)</p>	<p>Input from Bessie re: school sites; working with Conservation Corps; <i>provided assistance with class presentations at San Ramon Elementary and Rancho schools</i></p>

ITEM/GOAL	PERSON(S) RESPONSIBLE	TIMELINE	FINAL DUE DATE	OBJECTIVES/ ADDITIONAL ITEMS
6. Annual Waste Audit of City facilities and work with City on Zero Waste goals	Steve/Scott/Dee/City staff	Annual basis before 4 th quarter of each year	Met with City(Jason Nutt) to determine sites and dates for audits	<u>Sites & dates for 2012:</u> <ul style="list-style-type: none"> • City Offices – completed 2/2/12 - • Senior Center – completed 3/28/12 • Police Dept. – <i>to schedule</i> • Corp. Yard – <i>awaiting City to schedule</i>
7. Bilingual Zero Waste recycling and diversion guides	Casey/Bessie	Initial revisions	Ongoing as needed	Update as needed
8. Paperless billing	Casey	Effective May 2011	Effective May 2011	Promote in newsletter and billing inserts; system being upgraded by first of the year
9. Interactive website with links to Zero waste & reuse options	Casey/Dee	See Exhibit 6	See Exhibit 6	
10. Billing inserts on program updates as needed	Steve/Casey	2 inserts for 2012	March 2012 & June 2012, Sept 2012 & December 2012	<i>billing insert in 3/12</i> <i>billing insert in 6/12 – m/f</i> <i>commercial recycling</i> <i>billing insert in 9/12 – 95 gal can</i> 1 billing insert Dec – <i>Xmas tree recycling</i>
11. Annual selective route audits to gauge program success	Steve/ Scott	Annual baseline audit <i>scheduled for November 2012</i>	<i>December 2012</i>	2011 conducted route audit for billing purposes; <i>2012 route audit to determine food waste program participation; truck routes revised to work out of Petaluma yard; program route audits scheduled for 11/12</i>
12. Corrective action cart hangers	Steve/Route supervisor	As needed	As needed	
13. Work with regional Reuse E-network plan	Casey/Dee	Dependent on JPA	Dependent on JPA	JPA working with Alameda & San Francisco on regional database; ND will link to database on website

Exhibit 5: School Recycling and Food Waste Program outline

Bessie and MCC working on this item; needs more discussion and a separate calendar of goals, tasks and due dates

EXHIBIT 6: Zero Waste Program Implementation Schedule

ITEM/GOAL	PERSON(S) RESPONSIBLE	TIMELINE	FINAL DUE DATE	OBJECTIVES/ ADDITIONAL ITEMS
Food/Green Waste Composting				
1. Single family residential	Steve/Scott/Casey/Bessie/Dee	- Meet with HOA's	Ongoing	Additional work needed for some HOA's who don't have green carts, but have single family service; <i>List of Novato HOA's updated; Meet with HOA's to provide carts for food & green waste; selective food waste audit (500 can)determined 34% of residents with food scraps in green carts</i>
2. Place food waste diversion stickers on food carts and notify re: food scrap pail availability	Steve/Scott/Casey	Stickers mailed week of 1/20/12	Stickers - April 2012 Food scrap pails ongoing	Food Waste green can stickers mailed January 2012, asking all households to place on cart; <i>75% of households have stickers on green cans: NDS to follow-up with remaining customers;</i> food scrap pails advertised in newsletter, website,ads; distributed at Farmer's Market & Senior Center; <i>over 1500 food scrap pails distributed</i>
3. Supermarket food waste diversion	Steve/Scott/Casey	<i>Schedule</i>	2012	<i>Redwood to accept commercial food waste within 3 months</i>
4. Restaurant Food waste diversion	Steve/Scott/Casey	<i>Schedule</i>	2012	

ITEM/GOAL	PERSON(S) RESPONSIBLE	TIMELINE	FINAL DUE DATE	OBJECTIVES/ ADDITIONAL ITEMS
5. Multi-family food waste diversion	Steve/Scott/Casey	<i>Schedule</i>	2012	
C&D Recycling, reports & enforcement				
1. Monitor C&D recycling reports & conduct outreach to contractors	Casey/Dee	Ongoing/quarterly reports	Ongoing	NDS provides quarterly C&D recycling reports to City & Dee <i>NOTE: Current City C&D diversion reported by Novato Disposal at ____:Novato Disposal to track C&D from new City Hall building construction</i>
2. Enforce C&D recycling thru Solid Waste ordinance	Beverly/Dee	Ongoing	Ongoing	District solid waste ordinance to be enforced and updated
AB32 /AB341/AB818 Multi-family & Commercial mandated recycling				
1. Identify all multifamily & commercial sites & review recent legislation for changes to program	Beverly/Casey/Dee/Scott/Bessie	Staff meeting – completed		Novato Disposal & District staff meeting on 2/1/12 to discuss databases to obtain accurate site information; develop 1 database to include site name, address, phone, bill payer and/or site owner, level & type of service provided (garbage?; recycling?); site visits; outcome

ITEM/GOAL	PERSON(S) RESPONSIBLE	TIMELINE	FINAL DUE DATE	OBJECTIVES/ ADDITIONAL ITEMS
2. Develop materials for commercial & multifamily residents	Bessie/Dee review	Current	May 2012-& Ongoing	<i>Novato Disposal mailed letter end of May; District developed web page & Novato Patch ad posted August; develop additional handouts & mailers</i>
3. Make site visits	Scott/Dee/Bessie	2012	Ongoing	Visits to include information on AB32 requirements, waste audit availability; Dee, Bessie & Scott will make site visits; <i>site visits conducted to 12 mf properties</i>
4. Participate in workshops for multifamily & commercial property managers	Beverly/Dee/Scott/Bessie	Ongoing	Ongoing	District will be responsible for developing workshops/meetings with Novato Disposal's participation and assistance; <i>contact rental housing associations, HOA's and MIRP</i>
5. Provide recycling containers	Steve/Scott	Ongoing	Ongoing	Following site visits, to determine size & placements, Novato Disposal can begin delivery of recycling containers
6. Implement mandated multifamily & commercial recycling	District & Novato Disposal	Ongoing	July 2012	Date mandated by legislation; District to provide ongoing outreach & education
Schools Campaign				
1. Institute food waste recycling	District & Novato Disposal	2010	2010	Program instituted in select schools

ITEM/GOAL	PERSON(S) RESPONSIBLE	TIMELINE	FINAL DUE DATE	OBJECTIVES/ ADDITIONAL ITEMS
2. Monitor food waste & recycling programs; meet with teachers & students	Bessie & MCC	See EX 5	See EX 5	Separate calendar & schedule to be developed
Backyard Composting				
1. Promote backyard composting through compost bin promotion	Steve/Casey/Bessie	Ongoing	Ongoing	See Item EX 4, Item 3
Wet/Dry Route Collections				
1. Discuss feasibility of system & institute if feasible	District & Novato Disposal	2018/2020	2020	Discussions begin in 2018, with system instituted in 2020 if feasible
Discuss feasibility & diversion potential of conversion technology systems	District & Novato Disposal		2025	
Zero waste diversion goals				
1. 60% diversion	Novato Disposal	12/31/15	12/31/15	With 60% diversion required by 12/31/2015, reports will be required within 60 days , or by end of February 2016 to District to prepare final reports
2. 70% diversion	Novato Disposal	12/31/20	12/31/20	With 70% diversion required by 12/31/2020, reports will be required within 60 days , or by end of February 2021 to District to prepare final reports
3. 80% diversion	Novato Disposal	12/31/25	12/31/25	With 80% diversion required by 12/31/2025, reports will be required within 60 days , or by end of February 2026 to District to prepare final reports

AB32 Multifamily/Commercial Recycling Outreach

Background

Beginning July 1, 2012, all businesses and public entities in the State of California that generate 4 cubic yards or more of waste per week and multifamily units of 5 or more are required to recycle. This requirement results from the passage of AB341, (Title 14, Division 7, Chapter 9.1), whose purpose is to reduce greenhouse gas emissions by diverting commercial solid waste to recycling and expand opportunities for additional recycling services and recycling facilities in California.

Who is Required to Comply?

- All commercial accounts, including businesses, schools, all public agencies, and other institutions that generate 4 or more cubic yards of waste per week. (*One cubic yard is approximately equal to 7 32 gallon size carts*)
- All multifamily apartment buildings with 5 or more units

To comply, commercial/multifamily accounts may:

- Subscribe to Novato Disposal Service to collect their recyclable materials, or
- Self haul their recyclables to a recycling center

District Requirements

The District is required to ensure that the commercial/multifamily recycling program already in place is provided to all businesses and multifamily units subject to the regulation and to provide education, outreach and monitoring services to all commercial and multifamily units.

Outreach update to date:

- Novato Disposal has included a billing insert in their June bill to all multifamily/commercial accounts explaining the regulation.
- The District has developed a new web page and “header” ad in the Novato Patch announcing the regulation and offering additional services.
- District staff has updated the City of Novato Homeowner Association list to further publicize the service through fliers, mailers, etc.
- Novato Disposal begins site visits to targeted commercial and multifamily accounts
- Identified 18 property management firms in Novato to contact

2013 Outreach/monitoring to be accomplished

- District and Novato Disposal include articles in fall newsletters publicizing regulation.
- Develop additional outreach materials; mail to all commercial and multifamily accounts
- Continue site visits with materials
- Identify multifamily properties by number of units, targeting large unit properties first
- Contact property management firms and set up workshop/meetings with Novato Disposal to explain regulation and services provided
- Identify businesses/multifamily properties not in compliance with regulation and determine potential enforcement options, such as letters, site visits, mandatory commercial/multifamily ordinance, etc.



NOVATO E-WASTE COLLECTION

Saturday, October 13 – Monday, October 15, 2012
FINAL REPORT

Number of Participants: 676 residents

E- Waste Collected: 36,693 pounds

Background

Novato's sixteenth E-Waste collection event was held from Saturday, October 13 through Monday, October 15, 2012 at the Recycling Center. Due to the sunset of the E-Waste exemption for disposal of electronics, essentially everything with a plug or cord was accepted. Although TV's and CRT's are collected at the Household Hazardous Waste (HHW) facility, this special drop off event offers residents the opportunity to properly dispose of all electronic items.

Since 2003, at these events, we have collected over 1,155,300 pounds of E-waste, from over 16,200 Novato residents.

Scope

The event functioned as follows:

1. Novato residents dropped off E-Waste during a three day period beginning Saturday, October 13 through Monday, October 15 from 10:00am – 3:00pm. No appointment was necessary.
2. Novato Disposal was responsible for collecting and sorting E-Waste at the Recycling Center. All SB20/50 E-Waste materials - computer monitors, TV's and laptops – were sorted and packaged separately. All other E-Waste was packaged in large Gaylord boxes.
3. Novato Disposal was designated the "authorized collector" for the event, and was able to receive the state reimbursement of \$.16/lb. for all CRT's and TV's collected. Novato Disposal provided a crew of unloaders, an individual to assist with surveys and a supervisor at the Recycling Center dedicated only to the E-Waste collection.
4. ECS Refining was contracted with to provide E-Waste recycling services and functioned as the "approved recycler" under SB50/20 requirements. ECS was responsible for all transportation and E-Waste recycling, along with providing materials, such as pallets, Gaylord boxes and shrink wrap. In addition, ECS provided 2 additional staff to assist Novato Disposal with unloading and packaging on Saturday and Sunday. ECS also transported e-waste collected every day of the event.

- The program coordinator supervised the entire program and was in attendance all three days to conduct surveys, traffic control, unloading, paperwork and overall coordination and supervision of staff and the recycler.

Participation

A total of **676 residents** dropped off *E-Waste* during the three day event. Average daily participation was **225** – lower than our average daily participation for the 2012 spring event. Surveys were completed by all residents. The daily participation, based on actual surveys completed is listed below:

	SAT	SUN	MON
Daily Participation	278	204	194

Saturday was our highest participation, with Sunday and Monday coming in “second and third”.

Type of Waste Collected



Due to the sunset of the Universal Waste exemption for household electronics, nearly everything with a cord was accepted, except for large appliances such as washers, stoves, etc. The following *E-Waste* was accepted:

- Computers, computer monitors, laptops – maximum, of 5 per person
- Fax machines and small table top copy machines
- Computer peripherals, such as printers, scanners, cables, mouse, keyboards
- Telephones, cell phones, answering machines
- Electric typewriters
- Televisions
- Radios, tape players, stereo equipment, DVD recorders, VCR’s, camcorders
- Kitchen appliances such as blenders, coffee makers, microwaves
- General household appliances – hair dryers, lamps, vacuums

All newsletters, ads and web sites made it clear what was and was NOT acceptable. In addition, residents were encouraged to donate all working electronics to local thrift stores or charities.

A total of **36,693 pounds** of *E-Waste* was collected over the 3-day period. The chart below illustrates the total pounds and pounds per participant.

Number of participants	676
Total <i>E-Waste</i> Collected (lbs)	36,693
Pounds per participant	54



Publicity and Outreach

Instead of event-specific fliers, publicity and outreach for this event was maintained with the regular newsletters in order to decrease costs. Outreach methods include:

- Article in Novato Disposal newsletter, mailed to all customers
- Article in Sanitary District newsletter, mailed to all residents
- Ad placed on Novato Patch
- Ads placed in Novato Advance
- Separate notice on Sanitary District website
- Fliers posted at city hall, Sanitary District, Recycling Center
- Notices on hotline

Costs

The state's E-Waste law continues to provide reimbursement to the approved collector – in this case, Novato Disposal - for collection of all CRT devices. For this event we were able to maintain our non-CRT waste collected at **NO CHARGE**. In addition our E-Waste recycler – ECS Refining– did not charge for their additional workers on Saturday and Sunday and continued to provide us with all transport and supplies at no charge. ECS paid Novato Disposal the SB20/50 reimbursement rate of \$.16/pound for CRT devices. Novato Disposal charged for laborers, supervisors and surveyors for all three days. We continue to significantly reduce our costs by eliminating the printing and mailing of the individual E-Waste fliers and rely primarily on Novato Disposal's and Novato Sanitary District's newsletters.

The costs for this event totaled **\$526.30** – a **44% reduction from our spring 2012 event** costs. By eliminating the E-Waste flier printing and mailing and reducing the event from 4 days to 3 days we continue to save costs. In 2012, **we saved over \$12,000** from the 2011 E-Waste event costs. As expected, overall total pounds of E-Waste collected continue to decrease, as well as E-Waste reimbursement. The following chart illustrates costs, reimbursements and pounds collected.

Individuals Participating	676	
Total Pounds collected	36,693	
Pounds per participant	54	
CRT & Flat screen weight (pounds)	14,708	
Non-CRT E-Waste (pounds)	19,709	
Microwaves (pounds)	2,276	
COSTS		
Non-CRT recycling costs (NO CHARGE)	\$00.00	
Rental Charges (Fork lift;)	\$745.42	
Novato Disposal Labor	\$2,134.19	
Subtotal Novato Disposal costs	\$2,134.19	

Reimbursement of CRT's paid to Novato Disposal (\$.16/pound)		(\$2,353.31)
Remaining Novato Disposal Costs/ Credit	(\$ 219.12)	
Total E-Waste event costs	\$ 526.30	

Funding of \$ 4,000. is included in the current FY 2012/13 budget for 2 *E-Waste* events this fiscal year.

Survey Results

All participants completed a brief questionnaire. (Attachment A).

In general:

- 28% of all participants were using the program for the first time
- The majority of individuals (74%) heard about the event through the Novato Sanitary District newsletter; 31% heard about it through Novato Disposal newsletter.
- The additional outreach, including the Novato Patch ad, Recycling Center flier, Novato Advance ad, District website and Community house banner, was mentioned by a total of 17% of all respondents.
- Of the 676 participants, over 49% brought in computer monitors or televisions.
- Over 62% of the participants brought in some type of computer related product – monitor, CPU, printer, etc.
- 45% of participants brought in some type of kitchen or general household appliance
- Universally, respondents were very appreciative of the service.

Comparative Data

Attached is a chart comparing data collected from the 2003 – 2012 events (Attachment B).

- Participation was lower than Spring 2012. Average daily participation was 225, 16% lower than the Spring 2012 event. Saturday and Sunday were the busiest days. Obviously, residents are making good use of other E-Waste recycling opportunities such as Goodwill, the HHW facility and other E-Waste recycling events held around town to dispose of their E-Waste. However, these 2 E-Waste events remain enormously popular.
- Costs for the Fall 2012 event continue to decrease. ECS, our E-Waste recycler continues to provide us with recycling of all non-CRT E-Waste at no charge, and provides us with 2 workers on Saturday and Sunday at no charge, which is a great benefit. Novato Disposal bills us directly for all labor and service charges, minus any SB20/50 reimbursement. For this event, Novato Disposal owed us money from the SB20/50 reimbursement waste collected. We will continue to pursue the best possible pricing, with authorized reputable E-Waste recyclers, for all future events.

Recommendations

Based on the success of these events and the community need it is recommended that we continue with the E-Waste events for 2013. Recommendations include:

- It is recommended that we continue with the E-Waste events for 2013. For spring 2013, maintain the 3-day event - **Saturday, Sunday and Monday**. Based on Spring 2013 event participation, evaluate whether the Fall event should be reduced from 3 to 2 days. Since Novato residents have several options for E-Waste collection on a regular basis, including Novato Disposal's 4 times a year bulky waste scheduled pick-ups, these special events may not be the most efficient use of our time or money. However, costs for the 3-day event are now nearly insignificant, and the community goodwill generated by the program is priceless.
- With the change in Novato Disposal's bulky waste pick-ups, we no longer benefit from the publicity of twice a year clean-up events. However, we will continue to publicize the new by-appointment 4 times per year bulky waste collection, which also offers residents collection of E-Waste materials.
- In order to maintain the reduced costs for these events we will continue to eliminate the mailing of separate E-Waste fliers to all residents. This resulted in over \$12,000. reduction in costs for 2012. We will continue to rely on the publicity and announcements in Novato Disposal's and Novato Sanitary District's newsletters, which will be mailed out prior to the E-Waste events.
- Continue with all additional outreach and notifications, including newsletter articles, Novato Patch ads, District and Novato Disposal websites, Novato Advance ads, and banners at the community house, over DeLong Ave. and hotline notices.
- Continue to monitor the rates CalRecycle pays to reimburse E-Waste collectors and recyclers. (Currently the rate is \$.39/lb - \$.23 to the recycler and \$.16 to the collector). CalRecycle has the ability to review these rates on an annual basis, so these rates may change in 2013. Advocate for additional computer waste, such as printers, hard drives and peripherals, to be included in the reimbursement program and/or legislation.
- Continue to work with an E-Waste recycler, such as ECS, who is a member of the *e-Stewards* certification program. This program has the most rigorous third party audit and certification procedures for E-Waste recyclers to ensure that none of our E-Waste is exported to any third world countries, dumped or uses prison labor. (Currently ECS has signed a pledge of non-export, goes through a third party "desk audit" process and is committed to a thorough *e-Stewards* audit and certification process.) ECS is an extremely reputable company - one of the major reasons we have continued to use them! We will continue to promote this fact in our

advertising, including Novato Disposal's and Novato Sanitary's newsletter and future E-Waste promotions.

- Continue to collect all E-Waste, including CRT's and TV's at the HHW facility.
- Continue to publicize additional opportunities for residents to **properly** dispose of E-Waste, such as Goodwill, Marin Computer Resources in Bel Marin Keys and through Novato Disposal's bulky waste scheduled pickups.
- Work with the CA Product Stewardship Council, North American Hazardous Materials Management Association and others, to pursue legislation for producer "take-back" of used electronics.
- Continue to monitor Novato Disposal labor costs, to ensure necessary staffing.

We will carefully monitor these E-Waste event costs over the next year. The reduction in days and elimination of flier printing and mailing costs has provided significant reduction in costs. With the future move of the HHW facility, it is expected that these events will eventually be eliminated and E-Waste will be collected on a regular basis at a new, larger HHW facility. Until this occurs we will continue to operate these events. Funding is included in the FY2012/13 budget for 2 events in the fiscal year.

E-WASTE QUESTIONNAIRE RESULTS October 13 - 15 2012		SAT 10/13	SUN 10/14	MON 10/15	TOTAL	%
1.	Number of Participants	278	204	194	676	
2.	First time user					
	YES	78	56	52	186	27.51%
	NO	200	148	142	490	72.49%
3.	How did you hear about the program?					
	Novato Disposal newsletter	114	42	56	212	31.36%
	Novato Sanitary District newsletter	229	139	134	502	74.26%
	Novato "Patch" ad	13	3	3	19	2.81%
	Recycling Center	9	6	2	17	2.51%
	Novato Advance Ad	19	7	3	29	4.29%
	Novato Sanitary District website	4	2	2	8	1.18%
	Word of Mouth	12	5	4	21	3.11%
	Community house banner	3	1	0	4	0.59%
	Other	4	3	8	15	2.22%
4.	What are you bringing?					
	Computer monitors	65	31	44	140	20.71%
	Televisions	100	44	44	188	27.81%
	Computers and related (CPU's, printers, modems, keyboards, etc)	113	80	84	277	40.98%
	Telephones, cell phones, answering machines, electric typewriters	64	40	51	155	22.93%
	Radios, tape players, DVD's, VCR's, etc.	86	50	50	186	27.51%
	Small Kitchen Appliances (microwaves, blenders, toasters)	53	51	43	147	21.75%
	Small General Household Appliances (Hair dryer, iron, vacuums, lamps, etc.	62	49	48	159	23.52%
	Other	51	61	48	160	23.67%
6	Comments					
	Good	79	63	67	209	30.92%
	Bad	2	2	0	4	0.59%

E-WASTE COMPARATIVE DATA 2003 - 2012

	<u>2003</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007(Spring)</u>	<u>2007(Fall)</u>	<u>2008(Spring)</u>	<u>2008(Fall)</u>	<u>2009(Spring)**</u>	<u>2009(Fall)**</u>	<u>2010(Spring)**</u>	<u>2010(Fall)**</u>	<u>2011(Spring)**</u>	<u>2011(Fall)**</u>	<u>2012(Spring)</u>	<u>2012(Fall)</u>
Participants	650	1,247	1,167	1,314	1,183	935	920	909	1,091	1,014	1,217	1,115	964	1,007	810	676
Total pounds	111,707	103,714	96,077	107,798	80,820	56,260	55,799	63,680	70,708	70,251	75,147	73,899	60,267	53,006	39,567	36,693
CRT Weight	N/A	N/A	53,623	49,067	41,420	23,850	22,871	29,231	32,283	34,462	34,291	34,085	22,915	20,122	16,361	13,509
Flat screens weight																1,199
Non-CRT Weight	N/A	N/A	42,454	51,166	36,682	28,137	27,852	30,592	34,693	32,725	36,712	34,384	32,786	29,801	20,453	19,709
Microwave weight	N/A	N/A	N/A	7,556	2,718	4,273	5,076	3,857	3,732	3,064	4,144	5,430	4,566	3,083	2,753	2,276
Recycling cost per pound	\$0.28	\$0.28	\$0.20	\$0.20	\$0.10	\$0.10	\$0.05	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
E-Waste cost	\$31,278	\$29,040	\$8,490.80	\$11,744.40	\$3,940.00	\$3,241.00	\$1,646.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
E-Waste reimbursement	N/A	N/A	(\$10,734.60)	(\$9,813.40)	(\$8,284.00)	(\$4,770.00)	(\$6,403.88)	(\$4,688.92)	(\$5,165.28)	(\$5,540.00)	(\$5,486.56)	(\$5,453.60)	(\$3,787.84)	(\$3,219.52)	(\$2,918.49)	(\$2,353.31)
Labor costs	\$3,843	\$7,275	N/A	\$4,417	\$3,962.50	\$4,097.53	\$3,297.00	\$3,297.00	\$4,237.34	\$3,694.60	\$4,237.34	\$4,237.34	\$4,237.34	\$4,237.34	\$3,171.62	\$2,134.19
Labor Credit		-\$3,432	N/A													
Printing & Mailing Costs				\$6,637	\$6,668.34	\$6,735.46	\$7,669.35	\$7,880.12	\$7,958.59	\$7,446.89	\$6,265.10	\$5,177.27	\$5,230.12	\$5,549.59	\$0.00	\$0.00
Supplies & Rental Charges	\$2,102	\$971	\$270.00	\$320	\$1,211.00	\$600.72	\$750.00	\$716.05	\$683.50	\$695.00	\$695.00	\$695.00	\$695.00	\$695.00	\$695.00	\$745.42
Total E-Waste Event Costs	\$37,223	\$33,854	\$8,761	\$13,305	\$7,879.34	\$7,336.18	\$8,419.35	\$8,596.17	\$7,714.15	\$6,296.49	\$5,710.88	\$4,656.01	\$6,374.62	\$7,262.41	\$948.13	\$526.30
Total Cost per pound	\$0.33	\$0.33	\$0.09	\$0.12	\$0.10	\$0.13	\$0.15	\$0.13	\$0.11	\$0.09	\$0.08	\$0.06	\$0.11	\$0.14	\$0.02	\$0.01

**** As of Spring 2009 ECS paid \$.16/lb for CRT materials as the state reimbursement decreased from \$.48/lb to \$.39/lb (\$.16 for the collector; \$.23 for the recycler)**

<u>SURVEY COMPARATIVE DATA</u>	<u>2003</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007 (Spring)</u>	<u>2007 (Fall)</u>	<u>2008(Spring)</u>	<u>2008(Fall)</u>	<u>2009(Spring)</u>	<u>2009(Fall)</u>	<u>2010(Spring)</u>	<u>2010(Fall)</u>	<u>2011(Spring)</u>	<u>2011(Fall)</u>	<u>2012(Spring)</u>	<u>2012(Fall)</u>
First time user	100%	83.50%	58.00%	57.00%	55.00%	53%	58%	48%	38%	34%	29%	29%	29%	31%	24%	28%
How did you hear about the program?																
E-Waste mailer	55%	62%	65%	64%	74%	68%	65%	72%	79%	71%	74%	73%	74%	71%	N/A	N/A
Novato Disposal newsletter	39%	46%	44%	27%	32%	28%	35%	33%	24%	34%	33%	32%	34%	29%	67%	31%
Novato Advance ad	0%	5%	3%	11%	9%	7%	5%	5%	8%	6%	6%	5%	5%	4%	5%	4%
Word of Mouth	4%	4%	4%	3%	2%	3%	7%	3%	3%	5%	4%	4%	5%	2%	2%	1%
City/Sanitary District	1%	1%	0.60%	2%	2%	1%	1%	0.6%	1%	1%	1%	1%	2%	N/A	N/A	N/A
Other	1%	1%	0.40%	2%	1%	2%	2%	2%	2%	2%	2%	2%	1%	1%	3%	2%
Novato "Patch" ad														1%	2%	3%
Novato Sanitary District newsletter														10%	49%	74%
Sanitary District website														1%	0%	1%
Recycling Center															4%	3%
Community house banner																1%
What are you bringing?																
Computer monitors	30%	52%	47%	41%	40%	30%	27%	38%	32%	31%	30%	26%	25%	24%	22%	21%
Computers & peripherals	21%	49%	43%	40%	43%	34%	32%	32%	33%	31%	31%	32%	29%	29%	included in belc	included in below
Computer printers, fax machines, etc.	13%	29%	31%	30%	28%	24%	27%	26%	25%	24%	25%	30%	29%	21%	41%	41%
Televisions	16%	28%	29%	25%	30%	21%	24%	26%	35%	34%	28%	27%	27%	25%	26%	28%
Radios, tape players, DVD's, VCR's, etc.	9%	24%	23%	25%	30%	28%	28%	25%	26%	29%	26%	25%	28%	28%	26%	28%
Telephones, cell phones, etc.	9%	17%	14%	25%	23%	25%	24%	26%	26%	24%	25%	28%	25%	26%	26%	23%
Other	4%	13%	14%	10%	11%	13%	17%	15%	17%	21%	23%	22%	26%	25%	21%	24%
Kitchen Appliances	N/A	N/A	N/A	18%	32%	19%	21%	20%	18%	18%	20%	20%	25%	23%	22%	22%
General Household appliances	N/A	N/A	N/A	11%	22%	13%	19%	14%	17%	16%	17%	22%	22%	20%	21%	24%
Is any of the equipment in working order?																
YES	37%	42%	33%	49%	51%	53%	53%	45%	50%	48%	48%	48%	48%	48%	N/A	N/A

<u>Daily Participant Data</u>	<u>SAT</u>	<u>SUN</u>	<u>MON</u>	<u>TUES</u>	<u>FRI</u>	<u>SAT</u>	<u>SUN</u>	<u>MON</u>	<u>TOTAL</u>
2003 (September)	158	115	80	45	96				494
2004 (September)	N/A	336	122	109	138	351			1,056
2005 (September)	N/A	334	85	94	137	303			953
2006 (August)					213	341	190	270	1,014
2007 (April)					197	275	214	233	919
2007 (October)					154	209	164	207	734
2008(May)					219	288	161	252	920
2008(Oct)					230	254	175	250	909
2009(April)					286	292	245	268	1,091
2009(October)					246	277	232	259	1,014
2010(April)					319	326	283	289	1,217
2010(October)					288	318	236	273	1,115
2011(May)					254	282	165	263	964
2011(October)					244	277	230	256	1,007
2012(March)						320	219	271	810
2012(October)						278	204	194	676

E-WASTE EVENT DATA: 2003-2012

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	<u>Totals</u>
Pounds	111,707	103,714	96,077	107,798	137,080	119,479	140,959	149,046	113,273	76,260	<u>1,155,393</u>
Participants	650	1,247	1,167	1,314	2,118	1,829	2,105	2,332	1,971	1,486	<u>16,219</u>

HHW FACILITY SUMMARY 2012	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Total Participants	142	189	186	152	220	183	217	250	182	251			1972
Been to events before?(Yes)	102	147	144	119	166	142	171	192	154	200			1537
Permanent facility?	79	116	108	95	141	118	136	167	120	164			1244
Temporary events?	31	38	47	28	33	32	52	39	42	57			399
First time user?	40	42	42	33	54	39	46	58	28	51			433
Type of waste brought in?													
Antifreeze	6	13	11	12	20	9	16	17	12	19			135
Asbestos	1	1	2	2	2	1	2	0	1	2			14
Auto products	9	30	26	30	40	33	31	35	31	49			314
Car batteries	5	6	3	6	8	3	3	11	8	10			63
Computer monitors	9	10	11	12	18	9	7	12	3	4			95
Cements,sealers	17	28	22	15	23	24	35	42	28	34			268
Fluorescent tubes & bulbs	16	29	29	19	20	24	29	27	24	22			239
Household batteries	23	45	34	31	45	39	39	51	36	41			384
Household cleaners, polishes	28	51	42	42	48	60	71	69	55	72			538
Latex paint	51	68	72	57	84	78	79	94	70	110			763
Mercury Waste	1	1	4	3	4	1	0	1	1	4			20
Motor oil/filters	11	24	23	17	26	23	27	29	21	41			242
Old gasoline	1	7	10	11	21	11	15	14	10	9			109
Oil base paint	37	62	57	49	81	59	67	82	69	89			652
Paint thinners, solvents	31	51	56	38	64	49	72	77	61	74			573
Pesticides,herbicides,insecticides	13	43	29	25	46	36	43	52	46	54			387
Pet care products	4	8	3	10	8	12	8	10	6	6			75
Photo chemicals	3	1	1	0	3	1	3	2	3	3			20
Pool Chemicals	4	5	5	1	8	10	5	9	7	8			62
Propane/helium tanks/fire extinguishers	14	26	24	14	21	17	18	23	21	33			211
Sharps	0	2	2	0	1	3	3	4	1	0			16
Spray paints	20	36	33	28	43	36	36	53	38	46			369
Television	31	18	24	16	28	34	23	26	14	17			231
Thermometers/Thermostats	2	1	3	1	0	1	1	3	2	1			15
Wood preservatives, stains	16	24	28	26	32	31	45	49	29	50			330
Other	31	36	40	17	28	30	26	40	24	35			307

HHW FACILITY SUMMARY 2012	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Hear about program?													
Recycling Center flier	61	67	80	65	86	79	111	107	64	119			839
Novato Advance ad	10	16	7	13	19	11	21	14	19	15			145
<i>Novato Patch ad</i>	5	2	8	2	4	4	3	5	4	4			41
Word of mouth	21	29	18	21	45	36	34	32	31	34			301
Novato Disposal newsletter	46	83	243	66	90	69	80	113	84	113			987
Sanitary District newsletter	13	18	17	9	17	19	15	17	18	29			172
Sanitary District website	11	18	12	9	16	10	17	18	21	17			149
Other	12	13	10	11	16	13	19	24	10	12			140
Change your own motor oil?													
Yes	10	28	18	18	25	21	29	35	19	27			230
Novato Recycling Center	5	20	9	10	15	14	22	24	9	20			148
Kragens	3	8	6	9	9	6	7	10	10	10			78
Pennzoil	2	2	1	2	0	1	1	2	0	1			12
Other	0	2	3	0	4	0	0	3	4	0			16
If yes, want curbside pickup?	4	9	8	9	7	8	10	14	3	7			79
No	132	161	168	134	195	162	188	215	163	229			1747
Comments													
Compliments/Good	36	60	62	51	64	62	69	79	53	84			620
Complaints	0	1	1	0	2	0	3	5	0	2			14