NOVATO SANITARY DISTRICT
Solid Waste Committee

Meeting Date: May 21, 2013

The Solid Waste Committee of Novato Sanitary District will hold a meeting at 3:00pm, Tuesday, May 21, 2013 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 FEBRUARY 19, 2012**

4. **UPDATES/ROUTINE BUSINESS ITEMS:**
   a. City of Novato
   b. Redwood Landfill
   c. Novato Disposal – quarterly report
   d. Marin County JPA and Local Task Force
   e. Legislation

5. **FY 2013/2014 PROPOSED SOLID/HAZARDOUS WASTE PROGRAM BUDGET**
   a. Discuss proposed budget and programs
   b. Recommend FY 2013/2014 Solid/Hazardous Waste Program budget for adoption by District Board

6. **ZERO WASTE PROGRAMS CALENDAR/TIMETABLE STATUS:**
   a. Public Outreach Events update

7. **HOUSEHOLD HAZARDOUS WASTE PROGRAMS:**
   a. 2013 HHW Program report
   b. Spring E-Waste Event report
   c. Paintcare program and PSC contract update

8. **2012 DISPOSAL/DIVERSION AND 1ST QUARTER 2013 DISPOSAL/DIVERSION MONITORING REPORTS**

9. **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
February 19, 2013
3:00-4:00pm

MINUTES

Members Present:
Dennis Welsh Mike DiGiorgio

Others in Attendance:

Beverly James	Dee Johnson	Casey Williams	Scott Pariani
Bessie Martinez	Steve McCaffrey	Pat Eklund	Jason Nutt

1. Approve agenda. The agenda for February 19, 2013 was approved as submitted.

2. Public Comment. There was no comment from the public.

3. Minutes of November 13, 2012. The minutes of November 13, 2012 were approved as submitted. .

4. Updates/Routine Business Items.
   - City of Novato. Jason Nutt indicated that the new city office project was moving forward. City was discussing maintenance changes at City Parks with Novato Disposal and working with Novato Disposal re: City road maintenance program. Waste audits have been completed at the public works yard and the police station.
   - Novato Disposal. Steve McCaffrey updated the Committee on the 4th Quarter report. Steve remarked that the 20 gallon can accounts continue to increase, while 95 gallon cans decrease. Staff continues to conduct outreach at multifamily and commercial accounts.
   - Marin County JPA and Local Task Force. Dee Johnson was nominated as the District representative on the Marin County Local Task Force. The JPA Board is considering a new Zero Waste program contract. The Marin Builders Association and Marin Resource Recovery are promoting a new program to recycle roofing material, entitled Roof to Roads.
   - Legislation. Dee reviewed legislation introduced for the current session. .AB158(Levine), would prohibit single-use plastic bags. It is anticipated that several bills will be introduced on EPR for household batteries and fluorescents.

5. Zero Waste Programs Calendar/Timetable Status. Dee and Casey Williams reviewed the Zero Waste programs calendar/timeline. Articles on bulky waste, e-waste and the Recycling Center will be included in the Spring newsletter. There was discussion regarding the other recycling center operating out of Dairyman's property. Beverly indicated that they have a City business license and the current franchise agreement doesn't restrict their operation. She has requested they obtain a District permit to operate, which they have received and they have a permit to accept CRV materials. They are accepting scrap metal, but have apparently stopped taking e-waste. Mike DiGiorgio suggested promoting Novato Disposal's Recycling Center on the District website. 20 gallon can use has increased 20% from the 4th quarter 2011. Two outreach campaigns were selected for 2013: Commercial & multifamily recycling outreach and commercial food scrap recycling. Bessie updated the Committee on schools outreach. Scott indicated that route audits would be conducted in early 2013 for purposes of determining "set out" rates for recycling. Bessie conducted 10 visits to multifamily properties. Dee and Novato Disposal staff will be working on promoting AB32/AB341 mandatory commercial/multifamily recycling by scheduling meetings with property managers and housing associations
   a. 2013 Public Outreach Events. Thirteen outreach events are scheduled for 2013, 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, Novato Farmer's market, Sr. Center Health Fair, Sr. Center Backyard Compost workshop, Rotary presentations, Hamilton Harvest Festival, Fall E-Waste event and pollution prevention outreach at the Farmer's Market. Additional events may be added.

b. Commercial Food Waste. Steve indicated that Redwood was accepting commercial food scraps though its pilot program.
c. AB32 Multifamily/Commercial Recycling Outreach. Dee and Steve reviewed current outreach efforts, including billing inserts, District web page, Patch ads and site visits. Mike DiGiorgio asked how we would measure success of the program. Steve indicated that recycling availability for all multifamily/commercial accounts was the initial step, followed by increased education and outreach. Current requirements are all multifamilies with 5 or more units and commercial accounts with 4 CY weekly service must be provided with recycling service. Dennis Welch expressed concerns regarding overflowing bins at the Leafwood apartments and the number of recycling bins that are available. Jason Nutt indicated that the City experiences illegal dumping in this general area, including Scottsdale Marsh, but is somewhat restricted by the private property. Beverly indicated that a NOV was sent out to property owners and follow-up would be continued. She also indicated that the District was working to update the solid waste ordinance with AB32 enforcement requirements.
d. Zero Waste Week Resolution. Dee indicated that March 17-March 22, 2013 was Zero Waste Week in the Bay Area and recommended that the Committee approve the attached resolution and forward it to the District Board for adoption. With changes, the resolution was approved and forwarded to the District Board for adoption.

6. Household Hazardous Waste Programs.
   a. 2012 Household and Small Business Hazardous Waste Annual report. Dee reviewed the annual report. The HHW facility served 2,306 residents and 25 small businesses. In addition, the E-Waste events served 1,486 residents. All programs collected a total of 401,160 pounds of hazardous waste. Although paint products continue to be the largest waste stream at 40%, E-Waste remains at second with 30%. Costs remain fairly steady for the HHW facility. E-Waste events decreased with a reduction in printing/mailing costs and labor. It is expected that FY 2013/14 costs will decrease with the adoption of the Paintcare program.
   b. 2013 HHW & E-Waste programs update. The 2013 E-Waste events will be conducted from April 27-April 29 and Oct 12 – Oct. 14 at the Recycling Center. January HHW Facility participation was 19% higher than January 2012.
   c. Paintcare Program and PSC contract update. Staff is continuing to work on incorporating the Paintcare program into the HHW program contract.

7. 2012 Disposal/Diversion Monitoring Report. Novato Disposal's diversion rate increased to 55.5% in 2012, from 52.2% in 2011. The overall AB939 diversion rate for 3rd quarter 2012 was 58.43%.

8. Adjourn. The next Committee meeting is scheduled for Tuesday, May 21, 2013 at 3:00pm at the District office. The meeting adjourned at 4:10pm.

CITY OF NOVATO
1st Quarterly Report
January- March 2013

Submitted by Novato Disposal Service

A. Solid Waste Data

A. Tons Delivered to Disposal Site

		This Quarter	Same Quarter One Year Ago
Residential	*	3,439.65	3,630.44
Commercial	**	2,702.58	2,852.49
TOTAL:		6,142.23	**6,482.93**

*includes commercial/multifamily locations served with carts

**includes multifamily accounts service with bins

B. Recycling Data

Tons Collected and Processed

This Quarter: **3,910.69**

Same Quarter One Year Ago **3,332.37**

Commodity	Curbside Commercial Multifamily Residential	Buyback	Total
Cardboard	604.50	-	604.50
Paper (News & Mixed)	2,090.74	-	2,090.74
Paper (Overages)*	92.57	-	92.57
Aluminum Cans & Foil	2.20	8.60	10.80
Metal Cans	40.34	-	40.34
**Glass	761.97	71.19	833.16
Plastic PET	43.99	-	43.99
Plastic NHDPE	8.29	0.51	8.80
Plastic All Other	138.50	10.88	149.37
Other diverted materials	20.88	-	20.88
Total	**3,819.69**	**91.18**	**3,910.87**

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

**This includes glass overages

C. Greenwaste Data

Tons Collected and Processed

This Quarter: **3,317.54**
Same Quarter One Year Ago: **3,387.10**

Final Disposition:

All green waste was used as compost.

D. Construction and Demolition Data, including inert solids

Tons Collected and Processed

This Quarter: **725.18**
Same Quarter One Year Ago: **583.84**

E. Service Accounts

Residential Cart Weekly		Same Quarter One Year Ago
Can size	Number of Customers	Number of Customers
20 gallon	1724	1,454
32 gallon	11,573	11,361
68 gallon	3,071	3,083
95 gallon	308	326
Non-Auto	6	7

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	21	0	20	0
68 gallon	15	0	10	0
95 gallon	6	1	4	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.	19	3	1	17	3	1
3 yd.	27	23	25	26	24	25
4 yd.	0	0	2	0	0	1
6 yd	1	0	2	0	0	3

Commercial Cart Weekly		Same Quarter One Year Ago
Can size	Number of Customers	Number of Customers
20 gallon	0	0
32 gallon	130	119
68 gallon	116	97
95 gallon	107	92

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.	91	8	3	94	9	0
3 yd.	157	92	76	159	96	72
4 yd.	10	4	1	0	0	1
6 yd	4	3	7	4	3	7

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

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

F. Holiday Tree Collection

Novato Disposal Service collected holiday trees from residents during the week of January 7th-11th. Novato Disposal also provided boxes and tree removal service to San Marin High School's tree drop-off Project Safe Grad Fundraiser. Over 54 tons of holiday trees were collected and disposed of as compost.

G. E-Waste Event

Novato Disposal Service will be participating in the Novato Sanitary District's E-Waste Drop-off event April 26th -29th.

Community Education/Outreach

- Novato Disposal Outreach staff provided a visit to One Stop Auto Repair spoke with receptionist in regards to their recycling and left them with business packet. I let him know if they had any questions to give a call into our office.
- Novato Disposal Outreach staff spoke with Martin from Via Gas Station, on Redwood Blvd., about where recycle efforts could be increased. We answered any questions that arose.

- Novato Disposal Outreach staff followed up with a meeting with manager from Days Inn to talk about increasing recycling efforts.
- Novato Disposal Outreach staff visited 2 K Sports and placed new signage on garbage and recycle bins; also answered any questions about specific materials which we brought back to office to get a 2nd opinion on approval or disapproval of recycle status. We went over the correct recycling procedures, as well as provided recycling guides.
- Novato Disposal Outreach staff provided tenants from Marin Valley Terrace HOA with a presentation & with recycle guides for the tenants and stickers for garbage and recycle bins on site of MFU. We answered any questions and concerns during the meeting.

Schools

- Novato Disposal Outreach staff provided a presentation to Val at Hill Middle School. We reviewed the latest recycle updates and went over the importance of recycling. Introduced the possibilities of composting food scraps on site and at home. Questions and concerns were answered after presentation.
- Novato Disposal Outreach staff provided a presentation to San Marin Montessori pre-school students. We taught the students about where the trash goes to after it's picked up from their home. We also discussed recycling at school and at home. Showed the children everyday recyclable materials that they may come across and shared stories about their experiences with recycling.
- Novato Disposal Outreach staff meet with green team staff Jake a student at Novato High School. We conducted a recycle audit and provided Jake with 7 recycle crates to disburse throughout classrooms. Staff also answered any questions on how to increase recycling at school.
- Novato Disposal Outreach Staff conducted 3 age appropriate assemblies for Pleasant Valley Elementary School. Along with the visit, staff conducted an audit, updated signage and provided lunch observation for waste stations. Staff also answered any recycling questions.

I. Additional Information

Mailers

Please find attached:

- New start post cards
- Spring issue of Novato Disposal Recycling News, which featured a front page article about the Working to Achieve Zero Waste. This article spoke about our flourishing food scrap composting program available to all clients. Other details included in newsletter were service reminders, FAQ,

recycle and compost guides, as well as 20 gal promotion, HHW Schedule, and e-waste recycling event information.

- 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**
Frank Howard Allen	LM		3-95gal	-
Lewis Fredrickson	Yes	4	4-95gal	-
G Men Properties-1320 Leafwood Dr.	LM		-	-
G Men Properties-1312 Leafwood Dr	LM		-	-
G Men Properties-1316 Leafwood Dr.	LM		-	-
Novato Mobile Home Park	Yes	150+	3-95gal & 4yd bin	3-95gal & 4yd bin
Gilardi Properties	Yes	2	2-95gal	1-95gal
Wallace L. Graham	Yes	4	2-95gal	-
Joseph Greenberg	Yes	4	1-95gal	-
Hamilton Transitional Housing	Yes	35	-	-

Donations

Novato Disposal provided the following donations:

- (9) 30-yard yard waste boxes for The City of Novato at annual holiday tree drop off.
- (2) 4-yard garbage for IDESI Fundraiser
- 4-yard garbage bin to Lady of Loreto School for Fiesta Latina Fundraiser.
- 4-yard garbage bin, (4) 95 gallon compost cans, (4) 95 gallon recycle cans to Novato Rotary Polenta Night Fundraiser.
- 4-yard bin for Our Lady of Loreto used for Crab Feed Fundraiser.
- 4-yard garbage bin and 4-yard recycle bin to Novato High School Baseball fundraiser event.
- 4-yard garbage and 4-yard recycling bin to Knights of Columbus St. Patrick Dinner & Dance.
- 4-yard garbage and 4-yard recycling bin to Novato Little League for BBQ.
- (2) 4-yard garbage for IDESI Fundraiser crab feed.
- 3-yard garbage for IDESI Fundraiser.

2013 LEGISLATIVE UPDATE – May 2013

AB158 (Levine) – Single-use plastic bags prohibition.
Status - in Appropriations suspense file
Beginning on January 1, 2015, full-line grocery stores with more than $2 million in annual sales or retailers with more than 10,000 square feet of floor space would be prohibited from providing single-use plastic bags to customers.

AB215(Chesbro) Solid Waste Recycling
Status – in Natural Resources Committee
Would revise definitions of terms used for rigid plastic packaging containers, including revising the term "source reduced" to include new requirements.

AB403 (Stone/Eggman) 221(Quirk-Silva) Sharps Producer Responsibility
Status – Held in Assembly - to become 2 year bill
This bill would develop a producer responsibility program for sharps in CA.

AB488(Williams) Primary Battery Recycling Act
Status - Heard in Appropriations Committee on May 15
AB 488 would require non-rechargeable battery producers to design, fund and operate a stewardship program to properly manage batteries in order to sell their products in California.

SB405(Padilla) Single-use carry-out bags prohibition.
Status - in Appropriations suspense file
This bill would prohibit supermarkets and large retail establishments from providing single-use carryout bags to a customer at the point of sale beginning January 1, 2015, expanding to convenience food stores, foodmarts, and certain other stores on and after July 1, 2016. The bill would instead allow recycled paper bags, compostable plastic bags, or reusable bags, that meet specified requirements, to be made available for purchase, and provided free of charge to specified food program participants.

SB727(Jackson/Hancock) Medication Take Back
Status – Held in Environmental Quality Committee
SB 727 would establish a pharmaceutical collection program to address the home storage and improper and illegal disposal of home- generated pharmaceuticals.

2013/2014 Proposed AB939, Zero Waste and Hazardous Waste Programs Budget

Enclosed is the proposed budget and narrative for the AB939, Zero Waste and Hazardous Waste programs for FY 2013/2014.

Expenditures

67400 - Management Services. Expenditures include the ongoing operation, administration and staffing of the permanent HHW facility, E-Waste events, HHW contracts, monthly, quarterly and annual reporting requirements, staffing of Committee meetings, attending Local Task Force and JPA meetings, managing Zero Waste programs, monitoring legislation, and outreach to businesses, multifamily and community events. Expenditures also include administration of 2 grant programs – Used Oil and Beverage Container Recycling – funded entirely by these grants.

Additional staff time in FY2013/2014 will be dedicated to planning and development of a feasibility study for move of the HHW facility to a new location, increased outreach and education at more community events and maintaining AB32 commercial/multifamily mandatory recycling requirements.

67500 – Household Hazardous Waste. Expenditures include contractor costs for the HHW facility and E-Waste events. Included in actual expenditures for the current fiscal year are costs for sharps containers, which are available for free at 4 Novato pharmacies and sharps waste disposal at these locations. (These costs were previously accounted for in a different District account.)

For FY 2013/2014, HHW contractor costs are reduced by approximately 12% due to the launch of the Paintcare program, which will provide for collection and recycling of latex and oil-base paint at the HHW facility at no cost. This is a conservative estimate of cost reductions for the first year of the program, as we expect to see additional reductions in the future. In addition, costs for the E-Waste event are reduced due to the decrease in labor and printing and mailing costs. Costs for sharps containers and waste disposal will continue in 2013/2014.

67520 Permanent HHW Facility. Costs are included for maintenance of the HHW facility – floor striping, repair of roll-up doors, signage and pigeon control.

67530 – Used Oil/Beverage Container Grants. These CalRecycle grant funds are used exclusively for used oil and filter recycling, tank maintenance and promotion of beverage container recycling.

67540 - Education, Publicity/Advertising, Outreach. As a result of increased outreach for the Zero Waste programs, expenditures include sponsorship and booth rental at community several events, handouts and promotional items, and increased advertising. Included in actual expenditures are costs for monthly ads in the Novato Patch, website development, newsletter articles and social media outreach. (Some of these costs were previously accounted for in a different District account.)

For FY 2013/2014, Zero Waste program outreach will continue with sponsor and booth rentals, handouts and promotional items, print and web advertising, website development and maintenance, social media push and newsletter articles.

Other. A contingency of $5,000. is included for unanticipated expenses.

City AB939 Administrative Services. Funds maintained for City staff services.

Revenues.

AB939 Solid Waste Fees. There is a small increase(4%) in fees for FY2013/2014, as a result of continued Zero Waste program outreach costs and a reduction in JPA reimbursement fees. This is the first increase in AB939 fees in 3 years. 84% of the revenues to fund these programs come from these fees assessed on the garbage rate. (AB939 fees).

Used Oil Grant. Grant amount budgeted at same as FY2012/13. Actual amount not known until state budget passes.

Beverage Container Recycling Grant. Grant amount budgeted at same as FY2012/13. Actual amount not known until state budget passes.

JPA reimbursement fees. JPA fee revenues are budgeted at $27,697. FY 2012/13 was the last year for the JPA repayment of prior fees owed. The $27,697 accounts for current fees on self haul waste disposed at Redwood Landfill.

Fund Balance. $50,000 is budgeted from the program fund balance for permanent facility site cost for move of the HHW facility. This amount is budgeted for expected environmental review costs.

AB 939 SOLID, ZERO WASTE AND HAZARDOUS WASTE BUDGET
FY 2013/2014 PROPOSED BUDGET

EXPENDITURES					
Account	**Program**	**Budget 2012/2013**	**Est Actual Exp/Rev Thru 6/30/2013**	**Budget 2013/2014**	**Est. Preliminary Budget FY2014/2013**
67400	Management Services	$106,764.00	$104,464.00	$119,264.00	$121,649.00
67500	Household Hazardous Waste & E-Waste	$202,500.00	$207,500.00	$187,500.00	$180,000.00
67520	Permanent HHW Facility	$5,000.00	$5,000.00	$5,000.00	$10,000.00
67530	Used Oil/Beverage Container grant programs	$22,537.00	$22,537.00	$22,537.00	$22,537.00
67540	Outreach/Publicity/Education	$8,500.00	$20,000.00	$22,000.00	$24,600.00
67600	Other	$5,000.00	$5,000.00	$5,000.00	$5,000.00
67610	City AB939 Admin Services	$10,000.00	$10,000.00	$10,000.00	$10,000.00
	TOTAL AB939 SOLID/HAZARDOUS WASTE EXPENDITURES	**$360,301.00**	**$374,501.00**	**$371,301.00**	**$373,786.00**

REVENUES				
AB939 Solid Waste Fees	$297,586.00	$297,586.00	$309,586.00	$315,286.00
Used Oil Grant	$16,963.00	$22,758.24	$16,963.00	$16,963.00
Beverage Container Recycling Grant	$13,589.00	$14,221.00	$13,589.00	$13,589.00
JPA reimbursement & self haul fees	$50,639.00	$50,639.00	$27,697.00	$27,697.00
TOTAL AB939 SOLID/HAZARDOUS WASTE REVENUES	**$378,777.00**	**$385,204.24**	**$367,835.00**	**$373,535.00**

Updated : May 13, 2013

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 ***Fall newsletter to include articles on residential food scrap & can stickers & promo of Recycling & HHW Facility***
2. Promote 20 gallon cans	Casey/Bessie	ongoing	ongoing	Promote in newsletters & bills ***Note: 20 gal can use increased 19% from 1st Q 2012***
3. Promote backyard compost bins	Steve/Casey/Bessie	ongoing	2013	Promote in newsletter, at events & with Backyard Compost classes run by Marin Food Scrap Coalition [or Marin Master Gardeners ***Workshop at Senior Center scheduled for June 27***
4. 2 additional Outreach Campaigns promoting zero waste, waste reduction and/or other diversion	Steve/Casey	Ideas for 2013 campaign submitted	October of each year to District for approval	2013 Outreach Campaigns 1. Commercial & multifamily recycling outreach 2. Commercial food scraps composting
5. Promote commercial audits to all businesses of 4 c.y. or greater	Scott/Dee	(see AB32 item)	(see AB32 Item)	Include in AB32 promotions
6. 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

ITEM/GOAL	PERSON(S) RESPONSIBLE	TIMELINE	FINAL DUE DATE	OBJECTIVES/ ADDITIONAL ITEMS
7. 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 business owners and/or property managers; visits with multi-family also identify resident outreach methods; conduct presentations
8. Participate in 10 events annually	Steve/Casey/Bessie/Dee	Submit ideas for events to District by 4th quarter of each year for following year	List submitted to District for 2013 events;	**2013 Events Completed** • Chamber Business Fair – **April 18 -** • Novato's Clean and Green Day – **April** • E-Waste Events handouts **April 27-29** • Sunrise Rotary presentation – **April 23** • School Tour of Novato – **May 4** **2013 Events Scheduled** • Lu Sutton School tour of Recycling Center & HHW Facility – **May 22** • Sr. Center Backyard Compost workshop – **June 27** • Novato Art & Wine Festival – **June 8-9** • Novato Farmer's Markets – **July and August** • 4th of July Parade– • Pollution Prevention Week **Sept 21-27** • Sr. Center Health Fair – **October 10**

ITEM/GOAL	PERSON(S) RESPONSIBLE	TIMELINE	FINAL DUE DATE	OBJECTIVES/ ADDITIONAL ITEMS
				• E-Waste event handouts – Oct 12-14 • Hamilton Harvest or Hometown Festival – Fall
9. 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	Bessie/MCC	(See Ex. 5 School Recycling and Food Waste Program)	(See Ex. 5 School Recycling and Food Waste Program)	***Novato Disposal staff provided assistance & conducted presentations at San Marin Montessori & Pleasant Valley Elementary; met with at Hill Middle School & Novato High School staff***
10. Annual Waste Audit of City facilities and work with City on Zero Waste goals	Steve/Scott/Dee/City staff	2013	2013	Sites for 2013 • City Parks • Novato Fire District -
11. Bilingual Zero Waste recycling and diversion guides	Casey/Bessie	Initial revisions	Ongoing as needed	Update as needed
12. Paperless billing	Casey	Effective May 2011	System upgraded	Promote in newsletter and billing inserts; ***additional system upgrades completed***
13. Interactive website with links to Zero waste & reuse options	Casey/Dee	See Exhibit 6	See Exhibit 6	
14. Billing inserts on program updates as needed	Steve/Casey	4 inserts for 2013 with 1 permanent insert	March 2013, June 2013, Sept 2013 & December 2013	***June insert –automated billing*** ***Sept. insert.- E-Waste & HHW facility*** ***Dec. insert - Xmas tree recycling*** ***Permanent insert – debris box & Recycling Center***

ITEM/GOAL	PERSON(S) RESPONSIBLE	TIMELINE	FINAL DUE DATE	OBJECTIVES/ ADDITIONAL ITEMS
15. Annual selective route audits to gauge program success	Steve/ Scott	Annual baseline audit	*Spring 2013*	2011 - conducted route audit for billing purposes; 2012 route audit to determine food waste program participation; truck routes revised to work out of Petaluma yard; ***program route audits completed***
16. Corrective action cart hangers	Steve/Route supervisor	As needed	As needed	
17. 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	Ongoing	Ongoing	Additional work needed for some HOA's who don't have green carts, but have single family service; List of Novato HOA's updated; Meet with HOA's to provide carts for food & green waste; selective food waste audit (500 cans)determined 34% of residents with food scraps in green carts

ITEM/GOAL	PERSON(S) RESPONSIBLE	TIMELINE	FINAL DUE DATE	OBJECTIVES/ ADDITIONAL ITEMS
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 Over 1500 food scrap pails distributed	Food Waste green can stickers mailed January 2012, asking all households to place on cart; ***85% of households have stickers on green cans: NDS to follow-up with notice in Fall newsletter to distribute stickers;*** food scrap pails advertised in newsletter, website,ads; distributed at Farmer's Market & Senior Center; ***food scrap pails still available for price***
3. Supermarket food waste diversion	Steve/Scott/Casey	*Begin early 2013*	2013	***Redwood accepting commercial food waste in pilot program***
4. Restaurant Food waste diversion	Steve/Scott/Casey	*Begin early 2013*	2013	
5. Multi-family food waste diversion	Steve/Scott/Casey	*Schedule*	2013	
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 ***Novato Disposal to track C&D from new City Hall building construction***

ITEM/GOAL	PERSON(S) RESPONSIBLE	TIMELINE	FINAL DUE DATE	OBJECTIVES/ ADDITIONAL ITEMS
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
2. Develop materials for commercial & multifamily residents	Bessie/Dee review	Current	Ongoing	Novato Disposal mailed letter end of May; District developed web page & Novato Patch ad posted August; ***develop additional handouts & mailers to property managers***
3. Make site visits	Scott/Dee/Bessie	Ongoing	Ongoing	Visits to include information on AB32 requirements, waste audit availability; Dee, Bessie & Scott will make site visits; ***mailings and/or site visits to 10 mf properties***

ITEM/GOAL	PERSON(S) RESPONSIBLE	TIMELINE	FINAL DUE DATE	OBJECTIVES/ ADDITIONAL ITEMS
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; ***contact rental housing associations, HOA's and MIRP with mailings & phone calls***
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	Ongoing	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
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	

Updated : May 13, 2013

ITEM/GOAL	PERSON(S) RESPONSIBLE	TIMELINE	FINAL DUE DATE	OBJECTIVES/ ADDITIONAL ITEMS
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

2013 - Public Outreach Events Update

Staffed has participated in the following outreach events:

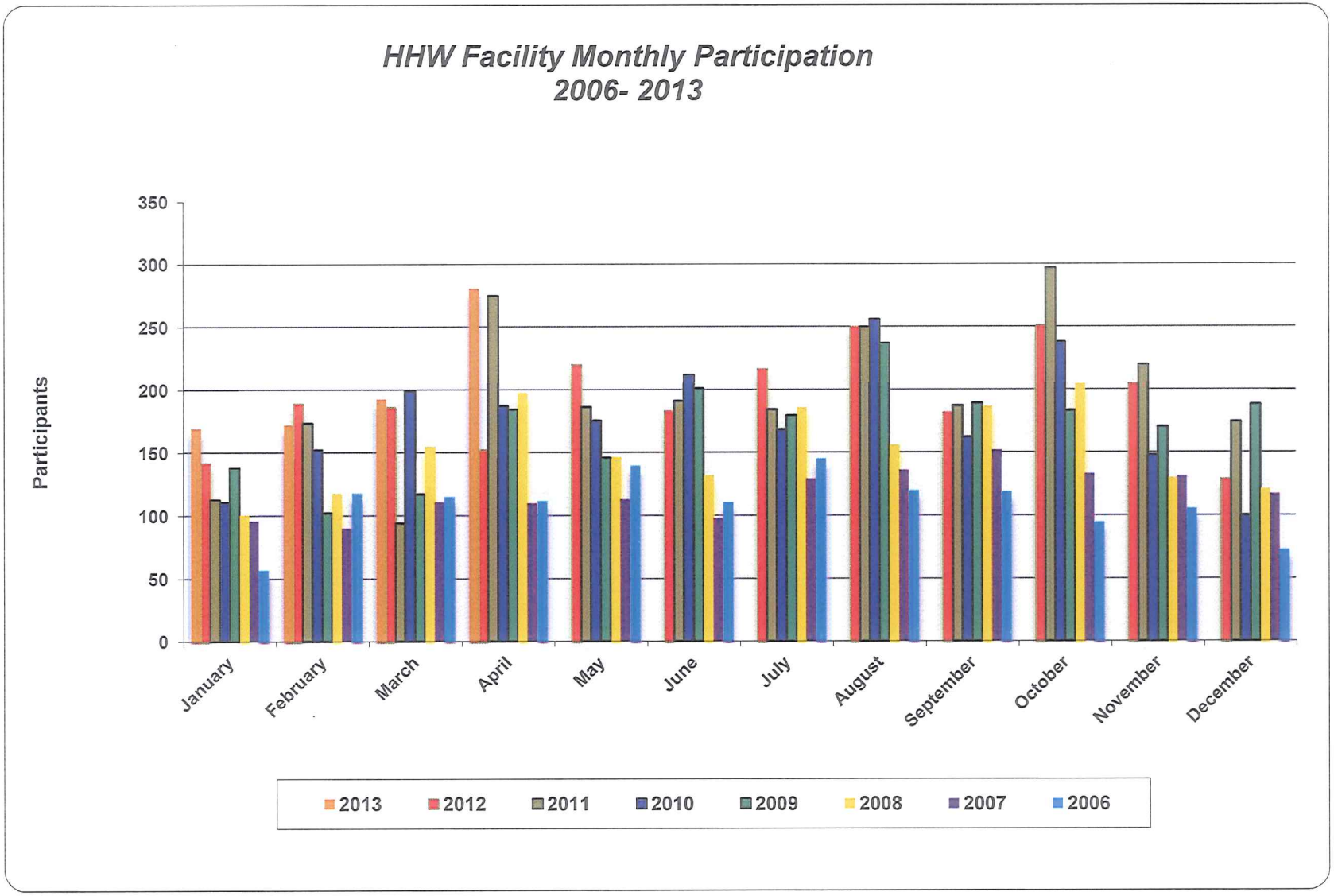
April, 2013 – Novato's Clean and Green Day –Novato Disposal provided debris boxes and recycling containers

April 18, 2013 – Chamber Business Fair – staffed booth; administered 39 quizzes, distributed "prizes"(household battery buckets or piggy banks)

April 22, 2013 – Novato Sunrise Rotary – with Novato Disposal staff, conducted presentation on household hazardous wastes, residential and commercial recycling and food scrap composting

April 27-29, 2013 – E-Waste Event – distributed handouts on HHW facility

May 4, 2013 - School Tour of Novato – staffed booth with Novato Disposal; distributed 65+ piggy banks and 40+ battery buckets; conducted "recycle toss" game for kids; set up coloring/sticker table for kids to decorate piggy banks


HHW Facility Monthly Participation
2006- 2013
Participants
350
300
250
200
150
100
50
0
January
February
March
April
May
June
July
August
September
October
November
December
2013
2012
2011
2010
2009
2008
2007
2006

HHW FACILITY SUMMARY 2013	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Total Participants	**169**	**172**	**193**	**281**									**815**
Been to events before?(Yes)	123	141	151	218									633
Permanent facility?	98	94	124	174									490
Temporary events?	36	63	40	56									195
First time user?	**46**	**30**	**42**	**63**									**181**
Type of waste brought in?													
Antifreeze	4	3	14	25									46
Asbestos	0	1	0	0									1
Auto products	**15**	**19**	**35**	**54**									**123**
Car batteries	5	5	4	8									22
Computer monitors	**12**	**7**	**16**	**18**									**53**
Cements,sealers	17	23	33	35									108
Fluorescent tubes & bulbs	**30**	**29**	**29**	**38**									**126**
Household batteries	**38**	**25**	**38**	**52**									**153**
Household cleaners, polishes	**42**	**34**	**53**	**70**									**199**
Latex paint	**67**	**59**	**83**	**111**									**320**
Mercury Waste	3	18	5	1									27
Motor oil/filters	12	13	27	37									89
Old gasoline	5	8	11	23									47
Oil base paint	**46**	**31**	**66**	**80**									**223**
Paint thinners, solvents	**40**	**43**	**63**	**89**									**235**
Pesticides,herbicides,insecticides	**29**	**39**	**45**	**48**									**161**
Pet care products	6	10	4	8									28
Photo chemicals	1	1	1	3									6
Pool Chemicals	4	3	3	5									15
Propane/helium tanks/fire extinguishers	18	9	15	22									64
Sharps	3	6	3	2									14
Spray paints	**29**	**21**	**42**	**64**									**156**
Television	**30**	**27**	**45**	**28**									**130**
Thermometers/Thermostats	3	6	1	1									11
Wood preservatives, stains	**19**	**15**	**27**	**51**									**112**
Other	**44**	**39**	**46**	**49**									**178**
Hear about program?													
Recycling Center flier	**63**	**64**	**77**	**130**									**334**
Novato Advance ad	11	6	14	19									**50**
Novato Patch ad	4	2	10	5									**21**
Word of mouth	33	29	31	47									140
Novato Disposal newsletter	**63**	**72**	**55**	**118**									**308**
Sanitary District newsletter	**15**	**18**	**8**	**22**									**63**
Sanitary District website	12	8	13	10									43
Other	14	13	16	20									63
Change your own motor oil?													
Yes	**17**	**22**	**23**	**45**									**107**
Novato Recycling Center	15	16	14	37									82
Kragens	5	4	8	8									25
Pennzoil	0	0	0	3									3
Other	0	1	1	1									3
If yes, want curbside pickup?	**9**	**7**	**9**	**22**									**47**
No	**152**	**152**	**162**	**236**									**702**
Comments													
Compliments/Good	**54**	**45**	**46**	**83**									**228**
Complaints	**5**	**4**	**5**	**2**									**16**

HHW PARTICIPANTS 2006 - 2013

	January	February	March	April	May	June	July	August	September	October	November	December	Totals	
2013	169	172	193	281										
2012	142	189	186	152	220	183	217	250	182	251	205	129	2,306	
2011	113	173	94	275	186	191	184	250	187	297	220	174	2,344	
2010	111	152	199	187	175	212	168	256	162	238	148	100	2,108	August 6 days
2009	138	102	117	184	146	201	179	237	189	183	170	188	2,034	August 6 days
2008	101	118	155	198	147	132	186	156	187	205	130	121	1,836	
2007	96	90	111	110	113	98	129	136	152	133	131	117	1,416	
2006	57	118	115	112	140	111	145	120	119	95	106	73	1,311	
%Change from 2012	**19.01%**	**-8.99%**	**3.76%**	**84.87%**										

NOVATO *E-WASTE* COLLECTION
Saturday, April 27 – Monday, April 29, 2013
FINAL REPORT

Number of Participants: 728 residents

***E- Waste* Collected: 39,963 pounds**

Background

Novato's seventh E-Waste collection event was held from Saturday, April 27 through Monday, April 29, 2013 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 1,193,000 pounds of E-waste, from over 16,900 Novato residents.

Scope

The event functioned as follows:

1. Novato residents dropped off E-*Waste* during a three day period beginning Saturday, April 27 through Monday, April 29 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.

5. 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 **728 residents** dropped off *E-Waste* during the three day event. Average daily participation was **243** – higher than our average daily participation for the fall 2012 event. Surveys were completed by all residents. The daily participation, based on actual surveys completed is listed below:

	SAT	SUN	MON
Daily Participation	306	210	212

Saturday was our highest participation, with Monday and Sunday 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 **39,963 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	728
Total *E-Waste* Collected (lbs)	39,963
Pounds per participant	55

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 **$503.77** – a **4% reduction from our fall 2012 event.**. By eliminating the E-Waste flier printing and mailing and reducing the event from 4 days to 3 days we continue to save costs. Overall total pounds of E-Waste collected increased from the fall event in all categories. The following chart illustrates costs, reimbursements and pounds collected.

Individuals Participating	728	
Total Pounds collected	39,963	
Pounds per participant	55	
CRT weight (pounds)	14,849	
Flat screen weight(pounds)	1,582	
Non-CRT E-Waste (pounds)	21,225	
Microwaves (pounds)	2,307	
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)		($2,375.84)
Remaining Novato Disposal Costs/**Credit**	**($ 241.65)**	
Total E-Waste event costs	$ 503.77	

Funding of $2,500. is included in the current FY 2013/14 budget for 2 *E-Waste* events this fiscal year.

Survey Results

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

In general:

- 23% of all participants were using the program for the first time
- The majority of individuals (96%) heard about the event through the 2 newsletters - Sanitary District and Novato Disposal.
- 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 16% of all respondents.
- Of the 728 participants, over 47% brought in computer monitors or televisions.
- Over 55% of the participants brought in some type of computer related product – monitor, CPU, printer, etc.
- 50% 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 – 2013 events (Attachment B).

- Participation was higher than the fall 2012 event. Average daily participation was 243, 7% higher than the fall 2012 event.. Saturday and Monday were the busiest days. Although residents are making good use of other E-Waste recycling opportunities such as Goodwill, the HHW facility and Novato Disposal pick up services, these E-Waste events remain enormously popular.

- Costs for the E-Waste events 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 2013/2014. Recommendations include:

- Continue with the E-Waste events for 2013/2014 and maintain the 3 day event - **Saturday, Sunday and Monday -** for fall 2013.. Although 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 are favorably received by residents. 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 the future. 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 FY2013/14 budget for 2 events in the fiscal year.

	E-WASTE SURVEY RESULTS Spring 2013	SAT	SUN	MON	TOTAL	%
1.	Number of Participants	306	210	212	728	
2.	First time user					
	YES	78	53	39	170	23.35%
	NO	228	157	173	558	76.65%
3.	How did you hear about the program?					
	Novato Disposal newsletter	71	80	57	208	28.57%
	Novato Sanitary District newsletter	206	146	129	481	66.07%
	Novato "Patch" ad	7	5	6	18	2.47%
	Recycling Center	5	7	7	19	2.61%
	Novato Advance Ad	13	9	10	32	4.40%
	Novato Sanitary District website	2	4	3	9	1.24%
	Word of Mouth	9	8	4	21	2.88%
	Community House banner	2	3	0	5	0.69%
	Other	8	4	5	17	2.34%
4.	What are you bringing?					
	Computer monitors	52	40	37	129	17.72%
	Televisions	100	64	52	216	29.67%
	Computers and related (CPU's, printers,modems, keyboa	109	82	82	273	37.50%
	Telephones, cell phones, answering machines, electric ty	84	76	65	225	30.91%
	Radios, tape players, DVD's, VCR's, etc.	85	47	53	185	25.41%
	Small Kitchen Appliances(microwaves, blenders, toasters	78	59	40	177	24.31%
	Small General Household Appliances (Hair dryer, iron, va	70	57	57	184	25.27%
	Other	70	41	51	162	22.25%
6	Comments					
	Good	79	72	67	218	29.95%
	Bad	1	3	1	5	0.69%

ATTACHMENT A.

E-WASTE COMPARATIVE DATA 2003 - 2013

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013(Spring)
Participants	650	1,247	1,167	1,314	2,118	1,829	2,105	2,332	1,971	1,486	728
Total pounds	111,707	103,714	96,077	107,798	137,080	119,479	140,959	149,046	113,273	76,260	39,963
CRT Weight	N/A	N/A	53,623	49,067	65,270	52,102	66,745	68,376	43,037	29,870	14,849
Flat screens weight										1,199	1,582
Non-CRT Weight	N/A	N/A	42,454	51,166	64,819	58,444	67,418	71,096	62,587	40,162	21,225
Microwave weight	N/A	N/A	N/A	7,556	6,991	8,933	6,796	9,574	7,649	5,029	2,307
Recycling cost per pound	$0.28	$0.28	$0.20	$0.20	$0.20	$0.05	$0.00	$0.00	$0.00	$0.00	$0.00
E-Waste cost	$31,278	$29,040	$8,490.80	$11,744.40	$7,181.00	$1,646.40	$0.00	$0.00	$0.00	$0.00	$0.00
E-Waste reimbursement	N/A	N/A	($10,734.60)	($9,813.40)	($13,054.00)	($11,092.80)	($10,705.28)	($10,940.16)	($7,007.36)	($5,271.80)	($2,375.84)
Labor costs	$3,843	$7,275	N/A	$4,417	$8,060.03	$6,594.00	$7,931.94	$8,474.68	$8,474.68	$5,305.81	$2,134.19
Labor Credit		-$3,432	N/A								
Printing & Mailing Costs				$6,637	$13,403.80	$15,549.47	$15,405.48	$11,442.37	$10,779.71	$0.00	$0.00
Supplies & Rental Charges	$2,102	$971	$270.00	$320	$1,811.72	$1,466.05	$1,378.50	$1,390.00	$1,390.00	$1,440.42	$745.42
Total E-Waste Event Costs	$37,223	$33,854	$8,761	$13,305	$15,215.52	$17,015.52	$16,783.98	$12,832.37	$12,169.71	$1,440.42	$503.77
Total Cost per pound	$0.33	$0.33	$0.09	$0.12	$0.11	$0.14	$0.12	$0.09	$0.11	$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)**

SURVEY COMPARATIVE DATA	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013(Spring)
First time user	100%	83.50%	58.00%	57.00%	54%	53%	36%	29%	30%	26%	23%
How did you hear about the program?											
E-Waste mailer	55%	62%	65%	64%	71%	69%	75%	74%	72%	N/A	N/A
Novato Disposal newsletter	39%	46%	44%	27%	30%	34%	29%	32%	31%	49%	29%
Novato Advance ad	0%	5%	3%	11%	8%	5%	7%	5%	5%	5%	4%
Word of Mouth	4%	4%	4%	3%	3%	5%	4%	4%	3%	2%	3%
City/Sanitary District	1%	1%	0.60%	2%	2%	0.8%	1%	1%	N/A	N/A	N/A
Other	1%	1%	0.40%	2%	2%	2%	2%	2%	1%	3%	2%
Novato "Patch" ad									1%	3%	2%
Novato Sanitary District newsletter									5%	62%	66%
Sanitary District website									1%	1%	3%
Recycling Center										4%	4%
Community house banner										1%	1%

SURVEY COMPARATIVE DATA	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013(Spring)
What are you bringing?											
Computer monitors	30%	52%	47%	41%	35%	33%	32%	28%	25%	22%	18%
Computers & peripherals	21%	49%	43%	40%	39%	32%	32%	32%	29%	N/A	N/A
Computer printers, fax machines, etc.	13%	29%	31%	30%	26%	27%	25%	27%	25%	41%	38%
Televisions	16%	28%	29%	25%	26%	25%	35%	28%	26%	27%	30%
Radios, tape players, DVD's, VCR's, etc.	9%	24%	23%	25%	29%	27%	28%	26%	28%	27%	25%
Telephones, cell phones, etc.	9%	17%	14%	25%	24%	25%	25%	26%	25%	25%	31%
Other	4%	13%	14%	10%	12%	16%	19%	22%	25%	23%	22%
Kitchen Appliances	N/A	N/A	N/A	18%	26%	21%	18%	20%	24%	22%	24%
General Household appliances	N/A	N/A	N/A	11%	18%	17%	17%	19%	21%	23%	26%
Is any of the equipment in working order?											
YES	37%	42%	33%	49%	52%	49%	49%	48%	N/A	N/A	N/A

Daily Participant Data	SAT	SUN	MON	TUES	FRI	SAT	SUN	MON	TOTAL
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
2013(April)							306	210	212	728

NOVATO DISPOSAL SERVICES DISPOSAL/DIVERSION QTLY COMPARISON 2012 VS. 2013

DIVERSION	2012 1stQ	2013 1stQ	2012 2ndQ	2013 2ndQ	2012 3rdQ	2013 3rd Q	2012 4th Q	2013 4th Q	TOTAL 2012	TOTAL 2013
Novato Disposal Recycled (Curbside & Buyback)	3,306	3,911								
Novato Disposal C&D Waste,wood waste & Inerts	584	738								
Novato Disposal Green waste used for compost	3,387	3,305								
Novato Disposal Food Waste used for compost	26	21								
TOTAL TONS DIVERTED	7,303	7,975								
DISPOSAL										
MSW& Debris Box/Novato Disposal	6,483	6,142								
TOTAL TONS DISPOSED	6,483	6,142								
TOTAL WASTE GENERATED(TONS)	13,786	14,117								
PERCENT DIVERTED	53%	56%								

CITY OF NOVATO & DISTRICT AB939 DISPOSAL AND DIVERSION MONITORING

Haulers: Novato Disposal
Self Haulers

Reporting period: January - December 2012

		1st Qtr.	2nd Qtr	3rd Qtr.	4th Qtr.	TOTAL 2012
A.	**2012 DIVERSION**					
	Novato Disposal Recycled (Curbside & Buyback)	3,306.00	3,683.00	3,677.00	3,632.00	14,298.00
	MRRC recovery	231.92	578.94	580.19	281.89	1,672.94
	Self haul Inerts Diverted Redwood Landfill	655.95	4,358.41	2,076.11	1,271.78	8,362.25
	Redwood Landfill self haul C&D& wood waste recycled	18.16	94.96	110.87	66.57	290.56
	City of Novato C&D diverted(included in Novato Disposal)	N/A	N/A	N/A	N/A	N/A
	ADC from MRRC	0.00	0.00	0.00	0.00	0.00
	Compost from MRRC	44.20	48.29	100.65	60.37	253.51
	Greenwaste From Redwood Landfill self haul/compost	97.73	138.93	125.15	92.18	453.99
	Novato Disposal Inerts	584.00	841.00	1,365.00	668.00	3,458.00
	Novato Disposal Green Waste used for compost	3,387.00	3,819.00	3,111.00	3,993.00	14,310.00
	Novato Disposal food waste used for compost	26.00	50.00	36.00	25.00	137.00
	2012 TOTAL TONS DIVERTED	**8,350.96**	**13,612.53**	**11,181.97**	**10,090.79**	**43,236.25**
B.	**2012 DISPOSAL**					
	MSW& Debris Box/Novato Disposal	6,483.00	6,472.00	6,368.00	6,536.00	25,859.00
	MRRC Residuals	147.51	204.64	351.59	225.47	929.21
	MRRC Wood/Yard Waste incinerated/transformation	68.96	55.27	122.72	61.43	308.38
	Redwood Landfill self haul C&D waste disposed	495.53	1,802.50	1,114.14	593.97	4,006.14
	Novato waste disposed out-of-county	N/A	N/A	N/A	N/A	N/A
	2012 TOTAL TONS DISPOSED	**7,195.00**	**8,534.41**	**7,956.45**	**7,416.87**	**31,102.73**
C.	**2012 TOTAL WASTE GENERATED(TONS)**	**15,545.96**	**22,146.94**	**19,138.42**	**17,507.66**	**74,338.98**
D.	**COMPLIANCE WITH AB939 DIVERSION MANDATE**	**53.72%**	**61.46%**	**58.43%**	**57.64%**	**58.16%**
	Percent Diverted Using Generation Based Calculation Method(includes 10% incineration waste)					

REDWOOD LANDFILL SELF HAUL BREAKDOWN (TONS)

	1st Qtr.	2nd Qtr	3rd Qtr.	4th Qtr.	TOTAL 2012
Inerts/ Diverted	655.95	4,358.41	2,076.11	1,271.78	8,362.25
Greenwaste Diverted/compost	97.73	138.93	125.15	92.18	453.99
C&D/ Disposed	495.53	1,802.50	1,114.14	593.97	4,006.14
C&D & Wood Waste Recycled	18.16	94.96	69.15	66.57	248.84
Total	**1,267.37**	**6,394.80**	**3,384.55**	**2,024.50**	**13,071.22**
Percent Redwood self haul diverted	**60.90%**	**71.81%**	**67.08%**	**70.66%**	**69.35%**