



MONDAY, OCTOBER 8, 2012

7:00 P.M. - REGULAR ENVIRONMENTAL COMMISSION MEETING

Council Chambers, Los Altos City Hall
One North San Antonio Road, Los Altos, California

ROLL CALL

PLEDGE OF ALLEGIANCE

PUBLIC COMMENTS ON ITEMS NOT ON THE AGENDA

Members of the audience may bring to the Commission's attention any item that is not on the agenda. Please complete a "Request to Speak" form and submit it to the Staff Liaison. Speakers are generally given two or three minutes, at the discretion of the Chair. Please be advised that, by law, the Commission is unable to discuss or take action on issues presented during the Public Comment Period. According to State Law (also known as "the Brown Act") items must first be noticed on the agenda before any discussion or action.

1. Commission Minutes
Approval of minutes – Regular Meeting of September 10, 2012.

DISCUSSION ITEMS

2. Public Information Forums
Discussion of opportunities and methodology for public education and outreach.
3. Climate Action Plan (CAP)
Activity progress report on the CAP by Environmental Commission Task Force and staff.
4. Bird Protection and Habitat Enhancement in the City of Los Altos
Report by Vice Chair Eyre on follow-up activities from the August 13, 2012 Audubon presentation.
5. Disposal and Management of Expanded Polystyrene (EPS) and Single-Use Bags
Status update on Environmental Impact Report for EPS and Single-Use Bags.
6. Increasing Watershed Awareness and Stewardship in Los Altos
 - a. Fremont Bridge Creek signage – no update.
 - b. Silicon Valley Watershed Summit – report on Summit and follow-up activities.
 - c. Watershed signage on creeks projects – report on possibilities.

7. Summary of Cal Water City of Los Altos Usage Data
 - a. Presentation by Vice Chair Joe Eyre.
 - b. Dashboard for water data usage.
8. Environmental Commission Website
 - a. Staff report on monthly hits to website.
 - b. Discussion of information and resources to add to website.
9. Electric Vehicle Charging Stations
Staff update and discussion.
10. Environmental Commission Work Plan Progress Review
Review and discussion of July action items in 2012-2013 Work Plan approved by Council at the Joint Meeting on April 3, 2012.
11. City of Los Altos 60th Anniversary Celebration
 - a. Planning Committee meeting progress.
 - b. Report on Sept. 29 & 30 walk and bike tour activities.
12. Announcements and Items for Information
 - a. Report by Environmental Commissioner Chair Bray from Sept. 25, 2012 Council meeting. October 9, November 13 and December 11 Council meeting representative is Commissioner DeMichiel; October 23, 2012 representative is Commissioner Ardehali.

COMMISSION REPORTS AND DIRECTIONS ON FUTURE AGENDA ITEMS

Veteran Day Holiday is November 12, the second Monday in November and thus falls on the Environmental Commission regular schedule date.

ADJOURNMENT

SPECIAL NOTICES TO PUBLIC

In compliance with the Americans with Disabilities Act, the City of Los Altos will make reasonable arrangements to ensure accessibility to this meeting. If you need special assistance to participate in this meeting, please contact the Human Resources Department 72 hours prior to the meeting at (650) 947-2607.

Agendas, Staff Reports and some associated documents for Environmental Commission items may be viewed on the Internet at <http://losaltosca.gov/committees-commissions/environmental/meetings.html>

On occasion the Environmental Commission may consider agenda items out of order.

All public records relating to an open session item on this agenda, which are not exempt from disclosure pursuant to the California Public Records Act, and that are distributed to a majority of the legislative body, will be available for public inspection at the Office of the City Clerk's Office, City of Los Altos, located at One North San Antonio Road, Los Altos, California at the same time that the public records are distributed or made available to the legislative body. Any draft contracts, ordinances and resolutions posted on the Internet site or distributed in advance of the Environmental Commission meeting may not be the final documents approved by the Commission. Contact the City Clerk at (650) 947-2720 for the final document.

If you wish to provide written materials, please provide the Environmental Commission Staff Liaison with **10 copies** of any document that you would like to submit to the Commissioners in order for it to become part of the public record.

Michael Horta

From: Zach Dahl
Sent: Wednesday, October 03, 2012 3:50 PM
To: Joe Eyre
Cc: J Logan; Don Bray; Gary Hedden
Subject: RE: FW: Los Altos CAP - Inventory and Forecast Revisions

Hi Joe,

Right now, PMC is working on a policy audit of existing City policies and is quantifying existing activities/policies that are reducing the City's GHG emissions. This work will identify opportunities and how much GHG reduction is being achieved by current City activities/policies. However, it won't be completed in time to present at the October meeting. Our goal will be to present it to the Commission at your November meeting. Since the 2nd Monday in November is a holiday (Veterans Day), will you be holding a November meeting?

In the meantime, I have asked Jeff Henderson, our project manager at PMC to provide guidance on if there is any specific info or trends that he would like to see evaluated in the survey data. As soon as he responds I will pass that info along to you. So, between now and the November meeting, continuing with your analysis of the survey data would be probably be the best course of action.

Thanks

Zachary Dahl, AICP
Senior Planner

City of Los Altos
Community Development Department
One North San Antonio Road, Los Altos, CA 94022

Direct: (650) 947-2633

Fax: (650) 947-2733

-----Original Message-----

From: Joe Eyre [mailto:joe.eyre@gmail.com]
Sent: Wednesday, October 03, 2012 3:04 PM
To: Zach Dahl
Cc: J Logan; Don Bray; Gary Hedden
Subject: Fwd: FW: Los Altos CAP - Inventory and Forecast Revisions

Hi Zach,

Thanks for the update and I'm glad the wastewater catch brought our baseline down a little (from 187k to 182k metric tons).

I believe the next steps are to develop our targets, reduction measures, come up with some prioritized policies, create some programs, and finalize the CAP. What do you see happening immediately next and how can the EC help? Will there be any discussion/interaction with PMC at the 10/8 meeting?

Thanks,
Joe

Email: joe.eyre@gmail.com
Mobile: (408) 857-8609

----- Forwarded message -----

From: Zach Dahl <ZDahl@losaltosca.gov>
Date: Tue, Oct 2, 2012 at 3:14 PM
Subject: FW: Los Altos CAP - Inventory and Forecast Revisions
To: Environmental Commission <EnvironmentalCommissioner@losaltosca.gov>
Cc: J Logan <jlogan@losaltosca.gov>

Hello Commissioners,

See email below from PMC regarding an update to the Community GHG Inventory and the City's GHG Forecast. Commissioner Eyre's question helped PMC identify an overestimate in the amount of water usage attributed to the City of Los Altos and thus the emissions generated by water usage. These changes will be included the Climate Action Plan.

Please let me know if you have any questions.

Zachary Dahl, AICP
Senior Planner

City of Los Altos
Community Development Department
One North San Antonio Road, Los Altos, CA 94022

Direct: (650) 947-2633

Fax: (650) 947-2733

From: Jeff Henderson [mailto:jhenderson@PMCWorld.com]
Sent: Monday, October 01, 2012 5:20 PM
To: Zach Dahl
Cc: Scott Davidson; LeeAnne Singleton
Subject: Los Altos CAP - Inventory and Forecast Revisions

Hi Zach,

We've looked into the inventory questions raised on 9/13 by Joe Eyre (email attached). As a result, we discovered that the original assumptions made in the original inventory regarding water supply overestimated the emissions attributable to water-related energy use.

We've since revised these numbers, and below are links to revised versions of a) the inventory write-up, and b) the report summarizing the inventory and presenting the emissions forecasts. (a is an appendix to b) We've included both redline and clean versions of these reports so you can easily locate these changes. The numbers have been updated in our workbooks, so the changes to the inventory and forecasts will be accounted for in subsequent calculations and in the CAP.

Los-Altos-GHG-Community-Inventory-Update-10.01.12.pdf - 535.69 KB
Los-Altos-GHG-Community-Inventory-Update-10.01.12_redline.pdf - 649.14 KB
Los-Altos-GHG-Forecast-and-Inventory-Updates---10.01.12.pdf - 1.1 MB
Los-Altos-GHG-Forecast-and-Inventory-Updates---10.01.12_redline.pdf - 1.16 MB

Note: These files will be deleted on Monday, October 15, 2012

Please contact me with any further questions. I look forward to talking with you tomorrow at 2p.

Jeff Henderson, AICP

PMC

2729 Prospect Park Drive, Suite 220

Rancho Cordova, California 95670

Office: (916) 231-3371 | Cell: (916) 340-4227

jhenderson@pmcworld.com

----- Forwarded message -----

From: Zach Dahl <ZDahl@losaltosca.gov>
To: Jeff Henderson <jhenderson@PMCWorld.com>
Cc: Scott Davidson <sdavidson@PMCWorld.com>
Date: Thu, 13 Sep 2012 14:43:49 -0700
Subject: FW: Question about 9/10 CAP update

Hi Jeff,

Can you check on the question raised by Joe Eyre below? I think we correctly accounted for where the wastewater goes in the inventories and this may just be a typo in the write-up, but either way, let me know.

Thanks

Zachary Dahl, AICP
Senior Planner

City of Los Altos
Community Development Department
One North San Antonio Road, Los Altos, CA 94022

Direct: (650) 947-2633

Fax: (650) 947-2733

-----Original Message-----

From: Joe Eyre [mailto:joe.eyre@gmail.com]
Sent: Thursday, September 13, 2012 9:07 AM
To: Zach Dahl
Cc: J Logan; Don Bray
Subject: Question about 9/10 CAP update

Hi Zach,

I have one minor question that I did not ask Monday.

On page 33 of the attached PDF, it says "Wastewater was assumed to be sent to the Santa Clara Valley Water District" Obviously we get our fresh water from the SCVWD and the wastewater goes to the Regional Water Quality Control Plant in Palo Alto.

I want to make sure the wastewater GHG production info is provided by the RWQCP and is correctly represented in our baseline data. Can you ask PMC about this?

<http://www.cityofpaloalto.org/gov/depts/pwd/rwqcp.asp>

Thanks,

Joe

Email: joe.eyre@gmail.com
Mobile: (408) 857-8609

----- Forwarded message -----

From: Michael Horta <MHorta@losaltosca.gov>

Date: Fri, Sep 7, 2012 at 12:00 PM

Subject: EC Agenda and Attachments 9-10-12

To: Don Bray <don.bray@altaterra.net>, John Reed <jreed1545@yahoo.com>, Linda DeMichiel <linda.demichiel@oracle.com>, "chris.keller@rovicorp.com" <chris.keller@rovicorp.com>, Joe Eyre <joe.eyre@gmail.com>, Zahra Ardehali <ardehali@sbcglobal.net>, "heddens@aol.com" <heddens@aol.com>

Cc: J Logan <jlogan@losaltosca.gov>

Hello,

Attached are the agenda and attachments for the EC meeting on Monday.

Please review and let me know if you have any questions.

Thanks

Michael

Michael Horta

Human Resources/Risk Manager

City of Los Altos

One North San Antonio Road

Los Altos, CA 94022

Phone: 650-947-2607

Email: mhorta@losaltosca.gov

Michael Horta

From: Joe Eyre [joe.eyre@gmail.com]
Sent: Wednesday, October 03, 2012 3:21 PM
To: J Logan
Cc: Don Bray
Subject: Bird protection and habitat enhancement in Los Altos

Hi J,
Below is a long series of emails with all of the recommendations for bird protection and habitat enhancement in Los Altos. I believe we agreed to have this on October's agenda.
Thanks,
Joe

----- Forwarded message -----
From: Toby Goldberg <programs@scvas.org>
Date: Fri, Aug 31, 2012 at 11:57 AM
Subject: Re: Followup from 8/13/12 presentation to Los Altos Environmental Commission
To: Joe Eyre <joe.eyre@gmail.com>
Cc: Shani Kleinhaus <shani@scvas.org>, Don Bray <don.bray@altaterra.net>, J Logan <jlogan@losaltosca.gov>

Hi Joe,

I'm the SCVAS Programs Coordinator, and wanted to add a few comments to this conversation.

Bluebirds need meadows and grasslands - they do surprisingly well in places like cemeteries and ranch areas, but not so well in city parks (unless they're quite large). They don't actually do that well in/near groves of trees and/or lawns, and because they feed on insects on the ground, they generally don't do as well in heavily peopled areas (i.e. places where a lot of people would be walking through, playing games, etc.).

Places mostly characterized by Redwood or Oak Trees are much more likely to attract Chestnut-backed Chickadees, Oak Titmice, and possibly even White-breasted Nuthatches. But not Western Bluebirds.

Of course, birds can and do choose to breed in surprising and unexpected locations, but I would focus on the smaller cavity-nesting species as mentioned above.

We do have many pre-built nest boxes available at our office here at McClellan Ranch Park. They are available for sale for \$9 for individual boxes. However, if someone would like to set up a "trail" (i.e. several nest boxes in the same area) and would be willing to monitor them (i.e. collect data) throughout the breeding season for at least 2 seasons, we can provide the nest boxes for free. We will also provide training for anyone interested in becoming a nest box monitor (generally early February) so they know how and what data to collect.

As a side note, new nest boxes should try to be installed by early February, so the birds that are arriving in the area and/or looking for places to breed have time to find the boxes before they choose their preferred site.

Let me know if there are any additional questions I can answer.

Good luck!

Toby

Programs Coordinator
Santa Clara Valley Audubon Society

programs@scvas.org

(408) 252-3740
22221 McClellan Rd.
Cupertino, CA 95014
www.scvas.org

WILDLIFE EDUCATION DAY ~ Saturday, Oct. 27, 10am-2pm McClellan Ranch Park in Cupertino
Join Santa Clara Valley Audubon to celebrate nature at Wildlife Education Day! See live
birds, reptiles, and insects; build a birdhouse; and much more! For more details visit
www.scvas.org and click on "Kid's Corner" or call (408) 252-3740. This is FREE event!

TEACHERS: have your students participate in a poster contest highlighting California
Native Wildlife! Details online.

On Aug 25, 2012, at 12:09 PM, Joe Eyre wrote:

Hi Shani,
Thanks for the additional info. If we wanted to put bird boxes in our city parks (Shoup,
Redwood Grove, Rosita, Heritage Oaks, etc.), what type would you recommend? Could we get
bluebirds in those spaces?
Joe

Email: joe.eyre@gmail.com
Mobile: (408) 857-8609

On Tue, Aug 21, 2012 at 2:53 PM, Shani Kleinhaus <shani@scvas.org> wrote:

Hello John, Don and members of the Environmental Commission

Thank you for following up and continuing the conversation,
Please see answers to your questions below,

Shani

On Aug 15, 2012, at 4:38 PM, Joe Eyre wrote:

Hi Shani,

Thanks a lot for coming to our meeting on Monday night and presenting about
birds and the local issues on them. We found it very informative. Below, I
put together some of your previous email information which is very good. I
have some additional questions:

1. Cavity Nesting Program:

- I see the link below.

- The PDF of the group plans lists some different dimensions. For Los

Altos, should we use the dimensions in Table 1 and Table 2 ?

http://www.scvas.org/pdf/cbrp/BuildingNestBoxes_Groups.pdf

- Could someone in Los Altos expect to get all 5 categories of birds listed in Table 1 or only a subset of the 5 rows (I'm guessing not ducks)

Correct, Wood Ducks are not likely to nest in Los Altos. Swallows and bluebirds are not likely to nest in back yards - they like relatively open space and boxes for these species are better in parks and schools. The best bet for back yards are boxes for Chickadees/ Oak Titmice as these will be readily occupied, and people enjoy watching the activity of the birds as they raise their young.

- How many boxes and of what type make sense for a 1/4 acre Los Altos yard (which is our standard size). What would you recommend as a good mixture/number?

- How many boxes and of what type make sense for a 1 acre Los Altos Hills yard. What would you recommend as a good mixture/number?

I would start everyone with 2 boxes for Chickadees/ Oak Titmice. The nest boxes should not be placed in close proximity to each other, as the birds are territorial. Also, place the boxes so they are safe from cats.

- If people just want to buy bird boxes instead of building, I see they can buy them at your nature shop at McClellan Ranch. Do you know of any good online sources in case they can't make it there?

People can buy bird feeders and seeds, bird baths and bird houses at our store and also at the Los Altos Bird Watcher:

<http://www.losgatosbirdwatcher.com/>

2. We will look into doing publicity similar to San Francisco on rat poisons and also what our codes say about bird-safe windows

Thank you!!!

3. I see the Bird Sanctuary program at

http://scvas.org/index.php?page=text&id=audubon_at_home

Toby Goldberg is our contact for the Audubon at Home program (programs@scvas.org)

4. You mentioned BMP's on slide 3 of your presentation. Are there some for birds that we should consider? If so, where can we find more on them?

We (SCVAS) are working on a Tree Trimming Guide for Santa Clara County. As soon as it is done I will send it to you.

5. Is there anything else that our city, the Environmental Commission, and/or GreenTownLosAltos might do from a policy, publicity, and/or recommendations perspective to further enhance birds in Los Altos?

In addition to the things we've discussed already, I think that always including nature - Creeks, native plants and birds - in the sustainability discussion is important. Here are some additional ideas (some of which you are probably doing anyway):

- * Recommend native plants and trees
- * Consider tradeoff that tall trees create: large conifers (redwoods, cedars, monterey pines and such) attract raptors to nest, but also crows. It may be better not to plant conifers.
- * Install trash containers in parks and schools that do not allow access to crows and gulls.
- * Disallow feeding of wild and feral animals in parks and open space.
- * Develop a new stream setback ordinance that properly protects riparian ecosystems (it looks like Los Altos is inconsistent in its protection of streams. The city signed on the water district collaborative (<http://www.valleywater.org/Programs/WaterResourcesProtectionCollaborative.aspx>) but its ordinances (attached) are far less protective of the creeks and

this would impact water quality as well as the riparian ecosystem, with potential impacts to fish, birds and other wildlife. I understand Joanne McFarlin of Acterra is also working with you on this.

* The city of Los Altos Hills Open Space Committee has recently developed three documents on Open Space, Creeks and Wildlife. These are great resources, and could be adopted/modified to fit Los Altos. The contact person is Nancy Couperus (couperusj@sbcglobal.net)

* Keeping cats indoor is a worthy campaign (see "KittyCam Reveals High Levels of Wildlife Being Killed by Outdoor Cats":

<http://www.abcbirds.org/newsandreports/releases/l20806.html>

(Washington, D.C., August 6, 2012) A new study of house cats allowed to roam outdoors finds that nearly one-third succeeded in capturing and killing animals. The cats, which wore special video cameras around their necks that recorded their outdoor activities, killed an average of 2.1 animals every week they were outside, but brought less than one of every four of their kills home. Of particular interest, bird kills constituted about 13 percent of the total wildlife kills. Based on these results, American Bird Conservancy and The Wildlife Society estimate that house cats kill far more than the previous estimate of a billion birds and other animals each year.

The study was carried out by scientists from the University of Georgia and the National Geographic Society's Crittercam program.

"The results were certainly surprising, if not startling," said Kerrie Anne Loyd of the University of Georgia, who was the lead author of the study. "In Athens-Clarke County, we found that about 30 percent of the sampled cats were successful in capturing and killing prey, and that those cats averaged about one kill for every 17 hours outdoors or 2.1 kills per week. It was also surprising to learn that cats only brought 23 percent of their kills back to a residence. We found that house cats will kill a wide variety of animals, including: lizards, voles, chipmunks, birds, frogs, and small snakes."

Loyd and her colleagues attached small video cameras (dubbed Crittercams or

KittyCams) to 60 outdoor house cats in the city of Athens Georgia, and recorded their outdoor activities during all four seasons. Loyd said the cats were outside for an average of 5-6 hours every day.

"If we extrapolate the results of this study across the country and include feral cats, we find that cats are likely killing more than 4 billion animals per year, including at least 500 million birds. Cat predation is one of the reasons why one in three American bird species are in decline," said Dr. George Fenwick, President of American Bird Conservancy, the only organization exclusively conserving birds throughout the Americas.

"I think it will be impossible to deny the ongoing slaughter of wildlife by outdoor cats given the videotape documentation and the scientific credibility that this study brings," said Michael Hutchins, Executive Director/CEO of The Wildlife Society, the leading organization for wildlife professionals in the United States. "There is a huge environmental price that we are paying every single day that we turn our backs on our native wildlife in favor of protecting non-native predatory cats at all cost while ignoring the inconvenient truth about the mortality they inflict."

Volunteer cat owners were recruited through advertisements in local newspapers, and all selected cats were given a free health screening. Each cat owner downloaded the footage from the camera at the end of each recording day.

The new study does not include the animals killed by feral cats that have no owners. A University of Nebraska study released last year found that feral cats were responsible for the extinction of 33 species of birds worldwide, that even well fed cats in so-called "managed" cat colonies will kill, that feral cats prey more on native wildlife than on other invasive creatures, and that most feral cats (between 62 and 80 percent) tested positive for toxoplasmosis (a disease with serious implications for pregnant women and people with weakened immune systems).

This study was collaboration between Kerrie Anne Loyd and Dr. Sonia Hernandez from the University of Georgia, and Greg Marshall, Kyler

Abernathy, and Barrett Foster of National Geographic's Remote Imaging Department and was funded in part by the Kenneth Scott Charitable Foundation. For further information, please contact either kloyd@uga.edu or shernz@uga.edu.

View video and photos from the KittyCam at the University of Georgia's website.

Thanks,

Joe

Email: joe.eyre@gmail.com

Mobile: (408) 857-3609

----- Forwarded message -----

From: Shani Kleinhaus <shani@scvas.org>

Date: Mon, May 21, 2012 at 9:47 AM

Subject: Re: Followup from 4/19 watershed summit planning meeting

To: Joe Eyre <joe.eyre@gmail.com>

Cc: Ruth Troetschler <rebugging@att.net>

Hello Joe,

Santa Clara Valley Audubon advocates for birds and their habitats. This includes open space, aquatic and riparian ecosystems. We work throughout the county and sometimes beyond.

I think in Los Altos, issues to consider would be:

Riparian setbacks - maintaining integrity of stream / riparian ecosystems

Tree removal/trimming impacts on nesting birds

Pesticides / Rodenticides - secondary poisoning of wildlife and watershed impacts

To increase raptor populations keep tall trees in town, and perhaps install perches in squirrel infested areas.

Crows are a problem everywhere - they feed on trash - and on other bird nestlings too. Other than keep food out of reach (cover trash bins in schools etc), and keep food out of the landfills, there are no easy answers. SCVAS has an active cavity nesting box program (<http://www.scvas.org/index.php?page=text&id=cbrp>). It may be late this year, but plenty of time to get ready for next year.

I copy Ruth Troetschler (she is a Los Altos resident) on this email. She may know where the creeks inventory is. She is also very knowledgeable and may have additional ideas to contribute.

Thank you,

Shani

650 868 2114

Shani Kleinhaus

Environmental Advocate

Santa Clara Valley Audubon Society

shani@scvas.org

(650) 868 2114

I am thinking of various programs and policies that can help protect birds and enhance their habitat:

1. Cavity nesting program <http://www.scvas.org/index.php?page=text&id=cbrp>
2. Tree Trimming and Grassland Mowing
http://losangelesaudubon.org/index.php?option=com_content&task=view&id=382&Itemid=1
3. Bird Safe Windows, see <http://sfplanning.org/index.aspx?page=2506>
4. Don't take the Bait (rodenticides), see <http://www.sfapproved.org/rodents>



Proposed water dashboard for the Los Altos Environmental Commission web site

Developed for the Los Altos Environmental Commission

Joe Eyre

Updated 8/16/12

Item 7b

Overview

- o Objective: Show water usage trends in Los Altos to encourage conservation
- o Sub-Objectives:
 - o Show how water usage contributes to GHG production
 - o Point out how irrigation water contributes to non-point source runoff pollution
 - o Provide links to water saving tips/resources

Potential Info to show on water dashboard

Show by year, from 2007 onward:

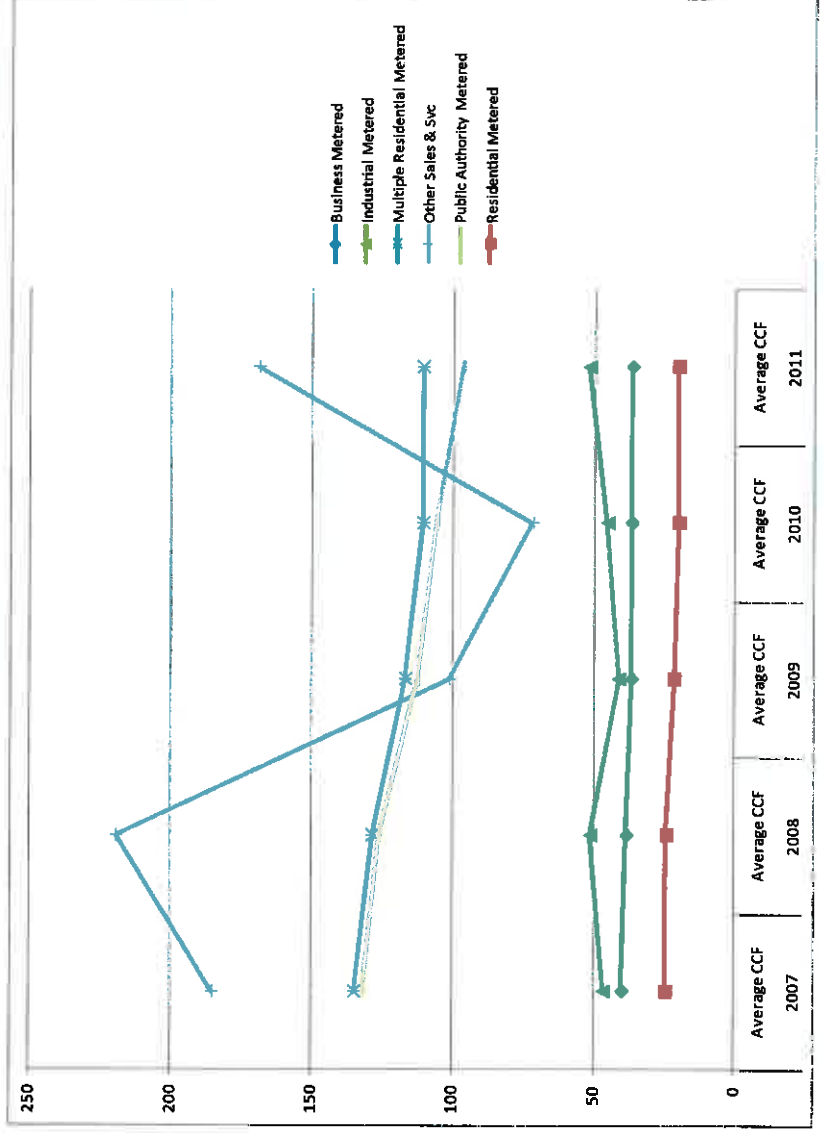
- o Total Los Altos usage/year (CCF & gallons)
- o Total Los Altos usage/year and percentages by category:
 - o Business & Industrial Metered
 - o Multiple Residential Metered
 - o Other Sales & Svc
 - o Public Authority Metered
 - o Residential Metered
- o Average usage per category for each year
- o Average usage per capita
- o Average usage per single family residential home
- o Average usage per person living in single family residential homes (~2.7 people/home)
- o Show our 2015 and 2020 targets based on the CAP goals.

Show as much as possible graphically!

- o The page should also have links to:
 - o Definitions on the above data and categories
 - o Ways to save indoor water (example: http://web.cityofwoodland.org/gov/depts/pw/areas/environmental_services/water/default.asp)
 - o Ways to save outdoor water

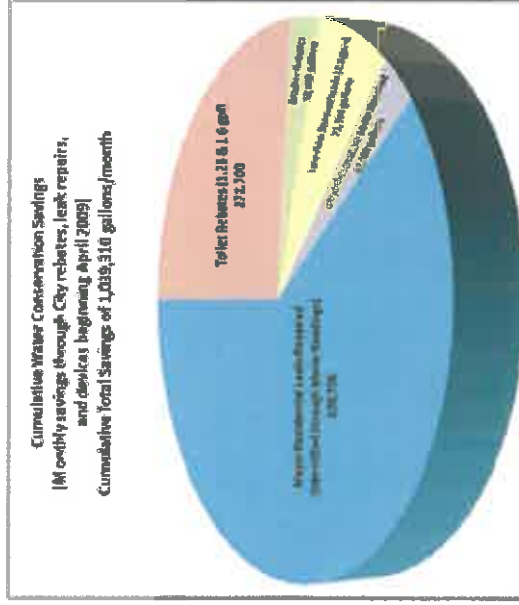
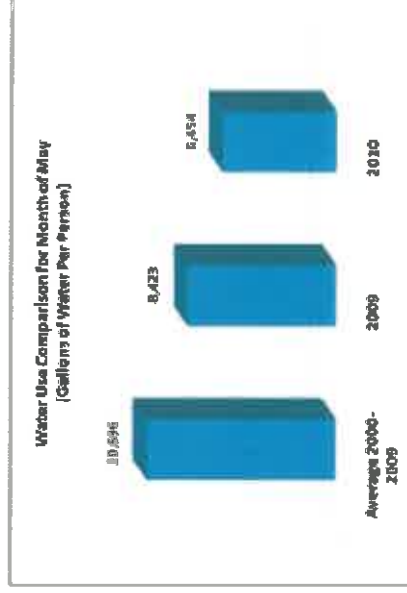
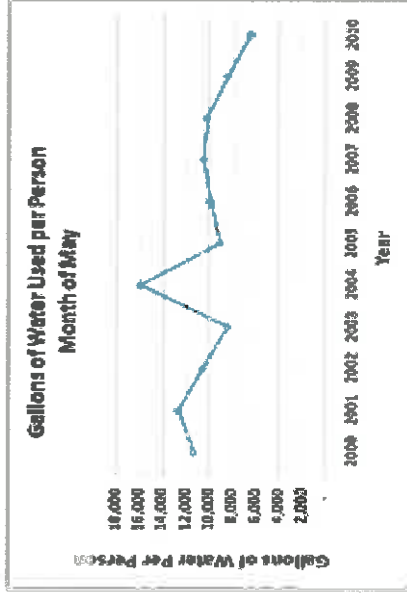
Initial analysis of Los Altos water data

	2007		2008		2009		2010		2011	
	Average CCF	Total CCF	Average CCF	Total CCF	Average CCF	Total CCF	Average CCF	Total CCF	Average CCF	Total CCF
Business Metered	40	207,076	38	194,765	37	185,502	37	182,610	37	182,616
Industrial Metered	47	559	51	613	41	496	45	543	52	621
Multiple Residential Metered	135	116,055	128	111,035	117	101,400	111	93,713	111	94,371
Other Sales & Svc	185	6,480	219	4,826	101	3,341	72	1,864	169	3,714
Public Authority Metered	132	145,086	126	152,598	112	129,314	105	115,489	96	114,062
Residential Metered	24	2,780,204	24	2,745,130	22	2,465,464	20	2,281,628	20	2,304,889
		3,255,460		3,208,967		2,885,517		2,675,847		2,700,273



Example: Woodland, CA

Water Conservation Data for May 2010



During May, the City of Woodland used 369,741,696 gallons of water, or 6,454 gallons per person. This amount was the lowest water use for the month of May in the last 11 years. Targeted water conservation efforts in May led to new monthly savings of about 631,135 gallons.

Most of these savings resulted from repairs of major leaks at residences, which were identified through water meter readings and sample bills. The Water Conservation program staff directly assisted residents in identifying likely leak locations for a number of the highest water-use accounts, which together account for monthly water savings of 458,855 gallons. In addition, city staff responded to 9 water waste reports and fixed 27 leaks.

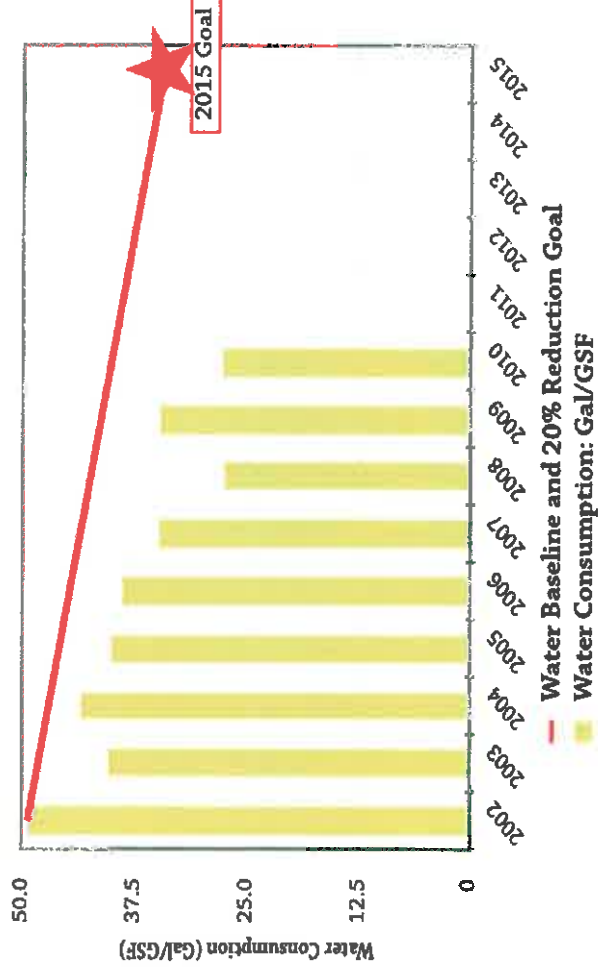
For more information on community water use and for summer watering tips, including a general lawn watering guide for our area, go to www.cityofwoodland.org/waterconservation.

Example: NC State

NC STATE UNIVERSITY

WATER CONSERVATION

Water Consumption (Gal/GSF)



20% reduction of water use in the past year

Los Altos Environmental Commission – Workplan 2012-13; updated Sept. 10, 2012

Item #10

Approved Projects & Projects for Approval

Goals approved by City Council April, 2012	Goals
Projects 2012-2013, updated 9/11/12	-- Progress Updates
1	<p>Provide approved community education and outreach activities to advance natural resource conservation and environmental quality in Los Altos. (Linda DeMichiel, Zahra Ardehali,)</p> <p>a. Maintain updated 'Los Altos Environment' website with relevant, high-value content, in a manner that is visually pleasing, navigates well, and ties into the city website. (Owner: Linda)</p> <p>b. Provide approved public information forums for topics of interest to the public. (e.g. Climate Action Plan) (Owner: tbd)</p>
2	<p>Work with Planning Services Manager and city residents to develop Climate Action Plan for City Los Altos. (Joe Eyre, Don Bray, TBD)</p> <p>a. Aid in developing, reviewing, and facilitating public input to a Los Altos Climate Action Plan (Owner: Joe, Don, Gary)</p>

- Linda will create draft 'Eating Green' page.
- In the October timeframe, CAP documents, survey results, etc., should be included in a new website tab on the EC website (TBD).
- City is redoing overall website; Aha selected as the web design vendor
- Periodic reviews and updates to site content, news items on main landing page, and staff-provided website traffic statistics; regular item on EC meeting agenda; traffic of 173 since 8/1, ~1470+ ytd.
- At October meeting, commission will discuss additional ways to engage the public via education/information forums, various outreach mechanisms, and possible topics.
- Conduct forums, receive reports, etc. when there are specific opportunities related to city programs or policies. One upcoming opportunity will be for interim review and public input to Climate Action Plan development process.
- PMC/staff presented updated 2005 muni and community GHG inventories, and inventory projections for 2020 and 2035; assuming a 15% reduction from 2005 baseline, 2020 target emissions would be ~157,000 MTCO2e. Adjusted 2020 'Business as Usual' emissions estimated at ~172,000 MTCO2e, so CAP initiatives need to generate ~15,000 MTCO2e in additional reductions.
- City staff (Zach) will work with PMC to establish schedule of activities going forward, including key interaction points with EC, possibly City Council
- CAP sub-team (Joe, Gary, Don) will meet to analyze energy/water/transportation community survey results, and present key findings at October meeting.
- Survey open through August; email address field added so that summary of results may be sent to participants
- At joint session, Council and EC discussed the question of the scope of the CAP vs an Environmental or Sustainability element in the General plan; agreement that potential scope additions would have to be identified and addressed after the CAP takes shape.

<ul style="list-style-type: none"> - Work on the CAP began in March, with presentation of the project plan to EC and City Staff by the City's Planning Services Manager, and consultant PMC; EC providing GHG inventory data to PMC - The role of the Environmental Commission will be to: <ul style="list-style-type: none"> o provide input and policy recommendations on reduction targets, reduction measures, and 'level of ambition' o identify issues and opportunities and evaluate feasibility o provide a forum for community participation 	
3 Improve watershed stewardship for the City of Los Altos (Joe Eyre, Zahra Ardehali)	
<ul style="list-style-type: none"> - Re status Fremont Ave bridge over Permanente Creek, 'prevailing thinking' is that name of the creek will be on bridge signage, though not yet designed. J will bring signage recommendation from 'draft final submittal' to EC for review/input. Waiting for consultant to present design. - Likely assignment of council consideration in Sept/October timeframe for Storm Drain Master Plan (to be released in the mid-May timeframe?) and provisions for implementation of standard labeling at storm drain inlets 'NO DUMPING!' - Only Rain Down the Drain - Flows to xxxx Creek'. Can it be validated that this labeling will be broadly implemented? Are there pros/cons/constraints? - Advance city storm drain labeling, incorporation of recently establish standards - Investigate development and implementation of creek signage, with possible initial focus on new Fremont Road bridge over Permanente Creek - Continue to support creek restoration activities and education, information on EC website - Monitor findings of quarry-related water discharges 	<p>a. Investigate potential education and outreach, and best practices associated with watershed awareness and protection, and identify near-term actions for implementation</p> <ul style="list-style-type: none"> - improved creek habitats - storm water & runoff <p>(Owner: Joe, Zahra)</p>
<ul style="list-style-type: none"> - City engineering staff to present new study data on watershed and water quality to EC at October meeting. Larry Lind and Adam Porter working on this for the City. - E.g. selected muni guidelines for native landscaping, organic fertilizers/herbicides/pesticides Joe met with Damon (city staff); city doing progressive things. - SCVWD guidelines and standards for land use near streams - Joe reported that these are in place and being utilized by the city; creek testing done every eight years or so as part of Santa Clara County runoff and pollution protection program. 	<p>b. High-level review of selected city policies, practices, & implementation v/v watershed stewardship, to identify potential opportunity areas</p> <p>(Owner: Joe)</p>

4	Continue to foster water conservation in Los Altos (Joe Eyre, Zahra Ardehali)	
a.	Work with Cal Water to develop detailed Los Altos water usage baseline and trends, and ongoing process for tracking. (Owner: Joe)	- Work with CalWater, City Staff and others to develop and present water use baseline, recent trends; General trend toward reduced water use. Joe presented summary of 2007-2011 data recently received from CalWater, and has drafted ideas on what to do next with water data, e.g. possible incorporation into a dashboard for posting on EC website/incorporated with climate action plan management; to be discussed at October meeting.
b.	Incorporate water conservation plans into broader Climate Action Plan above. (Owner: Linda)	- leveraging water baseline developed above, incorporate specific water efficiency measures into Climate Action Plan.
c.	Continue to actively support community outreach and education activities related to water conservation (Owner: Zahra)	- Additional co-sponsorship of CalWater conservation classes - Promotion of such elements as SCWD rebates (landscape conversion and hardware upgrades), weather-based irrigation controllers in muni and residential applications
5	Monitor and advance solid waste diversion and source reduction practices in Los Altos. (Don Bray, Joe Eyre, John Reed)	
a.	Monitor MTWS diversion rate and look for ways to help meet and exceed contracted 78% diversion rate in 2013; make results available to community, along w/ education on how they can help improve outcomes. (Owner: Steve, Don)	<ul style="list-style-type: none"> - Overall diversion rate of 71.44% for calendar year 2011; need to achieve 78% in 2013; in 2011, estimate diversion rate for single family residential at 81% (75% of overall tonnage), commercial at 39% (23% of tonnage), and multi-unit residential at 52% (2% of tonnage). - Publication of 2011 results, and 'leading practices' article featuring top business/commercial participants in Los Altos; Feb 2012 - Discussed possible development of a news article featuring waste management efforts at leading local businesses – to highlight 'best practice' examples, and educate the public and other businesses; Provided input & review for article developed by GreenTown, published in Town Crier (September 2012). - Educational visit to Newby Island conducted with EC, staff, council, community participants; learned about 85-day composting process, and issues with certain items such as compostable tableware that requires substantially longer than 85 days to compost; also, some biodegradable foodscrap bags contain GMOs, so all such bags are placed in the garbage stream; - Joe working with Teresa and GTLA on 'best practices' guide for what is best introduced to organics stream to fully enable composting. Cascadia doing testing on compostability of selected materials in MTWS processes. Work is proceeding – likely some results in December timeframe. - Continue to work on supporting and communicating 'Green Events' guidelines, e.g. for 60th anniversary event. Gary Hedden is involved in the Historic Bike Tour being planned as part of the event.

	<p>b. Monitor overall solid waste volumes relative to source reduction and longer-term 'zero waste' concepts & practices; (Owner: John)</p>	<ul style="list-style-type: none"> - Incorporate source reduction measure(s) into CAP - Support education and outreach v/v source reduction, zero-waste practices (e.g. participation in free-cycling networks, e-waste collection)
6	<p>Evaluate and recommend program options, and assist in implementing effective city programs restricting use of selected environmentally-harmful products. (Chris Keller, John Reed)</p> <p>a. Engage in on-going analysis of program and implementation options v/v restricting use of expanded polystyrene and 'single use' plastic bags (Owner: Chris)</p>	<ul style="list-style-type: none"> - Support city development and implementation of restrictions on use of expanded polystyrene, plastic shopping bags, etc. as recommended by the Santa Clara County RWRC, and required by the Santa Clara Valley Water District Water Board. Environmental Commission will study potential recommendations, timing, and approach. - Los Altos participating in San Mateo County EIR process for 'Reusable Bags'; final EIR and ratification by San Mateo County in September/October timeframe. Next steps regarding public input, updates and possible adoption in Los Altos will be determined by the City Council. J will forward info on next steps and when this will be placed on the CC agenda. - J maintaining dialog with staff on status of a potential EIR for EPS, and partnership options similar to San Mateo county for bags; currently, no potential EIR partnership opportunities have been identified; timing for EIR uncertain at this point. <p>Notes: In January 2012, the EC subcommittee studying EPS met with Los Altos city engineer and staff to discuss perspectives on potential issues such as EPS ban enforceability, inspection, budgets, burden to merchants, etc; It turned out that banning EPS is part of a new Water Board requirement, related to trash load reduction in storm water outflows. City staff has prepared detailed recommendations, including an EPS ban, to meet the Water Board requirements of 40% load reduction by 2014.</p> <p>After a thorough discussion the EC voted to support staff's 'Baseline Trash Load and Short-Term Trash Load Reduction Plan' as written, with two additional recommendations. Firstly, the EPS ban can be made effective 1/1/13, consistent with the original RWRC recommendation, and secondly, that the EPS ban requires that replacement products are compostable or recyclable, consistent with the MTWS diversion program (also per the original RWRC recommendation).</p>
7	<p>Other Council goals as directed</p> <p>a. City position on potential move at state level to relax CEQA guidelines?</p>	<p>- J talked with City Attorney re knowledge of this; in Jolene's queue; does not believe this is a relaxation, more of a clarification</p>

General Comment from Council: If any programs require funding, case must be presented in time for annual budget cycle.

Miscellaneous Topics for Possible Discussion/Consideration TBD

- disposal of prescription drugs – police department will take; ‘drugs and sharps’ also collected elsewhere in the city, including some pharmacies?
- use of outdoor chemicals
- use of environmentally-friendly cleaning materials