



Sustainability Plan Progress Report

September 3, 2019

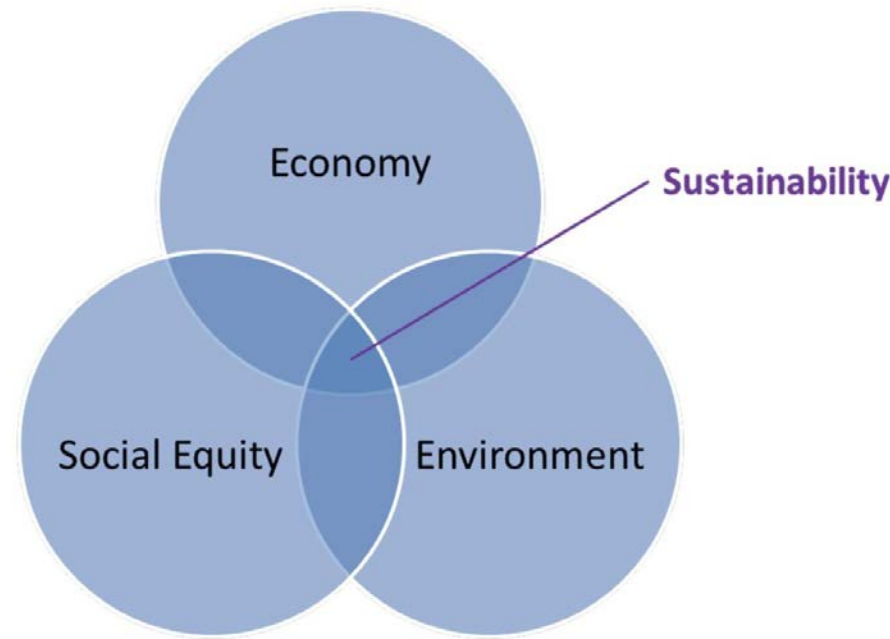
CONCEPT

ATTACHMENT 1

Napa's Sustainability Plan

City compiled comprehensive list of voluntary actions by City and Community to enhance the quality of life, protect the environment

Sustainability Generally means **the ability to meet the needs of the present without compromising the ability of future generations to meet their own needs .**



3 Part Union = Sustainability

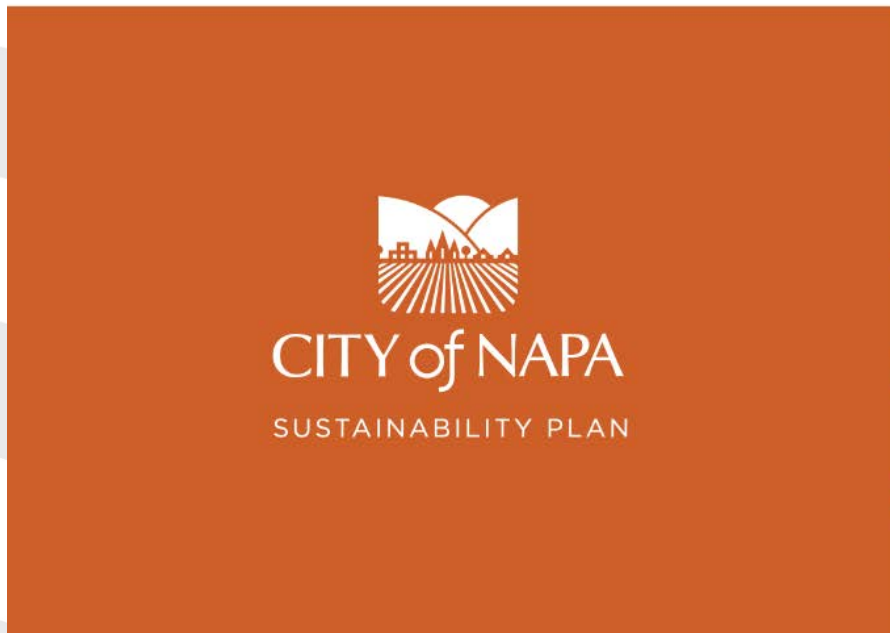
- Stewardship of and respect for the environment and natural resources
- Increasing and deepening social equity among people
- Strengthening the economic and financial prosperity of the community.

Back Story

ATTACHMENT 1

2012 Sustainability Plan

- July 24th, 2012, Resolution 2012-99, Sustainability Plan
- Energy Efficiency & Conservation Block Grant (EECBG)
- Andrea Fox, Sustainability Program Coordinator
- Created first Sustainability Plan



Format – Two Sections

ATTACHMENT 1

Two sections – a City Plan and a Community Plan

Purpose: City Plan Implemented by City, Community Plan implemented by community members with City support.

Community Plan

- Captures stakeholder and community participant' desired sustainability measures implemented by Community

City

- Operational changes to reduce GHG emissions from energy & water consumption, solid waste decomposition, transportation fuels, & planning and land use policies.

Community Plan

ATTACHMENT 1

Who:

- Community at-large, series of public meetings and survey

Focus:

- Energy
- Natural and Built Environment
- Recycling and Waste Reduction
- Local Food
- Mobility and Transportation
- Local Business and Economy
- Community Connectedness

Community Participation

- Interviews
- Bilingual, online survey
- 16 public meetings
- 30-day public comment













Community Plan

ATTACHMENT 1

Energy

- Goal: Napa is a model for energy awareness, conservation and integrated systems

CEC1	Educate homeowners and businesses on affordable conservation techniques	
CEC2	Create energy audit program for residents and businesses	
CEC3	Hold an “Energy Day” event	
CEC4	Encourage local schools to incorporate energy education in the classroom	 
CEC5	Provide trainings on benchmarking facilities	
CEC6	Connect homeowners and businesses for bulk purchasing power of renewable energy	
CEC7	Promote existing energy conservation programs	
CEC8	Research Energy Disclosure Ordinances passed in other cities	
CEC9	Investigate the viability of a local commercial PACE program	

Energy

- CEC1. Educate homeowners and businesses on affordable conservation techniques
- CEC7. Promote existing energy conservation programs

- Napa County Partnership
 - Administers Programs
- Introduce Deborah Elliott



Community Plan

ATTACHMENT 1

Energy

- CEC2 Create energy audit program for residents and businesses



Sustainable
NAPA COUNTY

SNC + PGE = “one stop shop” for energy solutions

No cost evaluation of business energy use:

- Roadmap for steps you can take
- Help finding financing
- Information on rebates and incentives
- Help finding the right experts.
- Help managing the implementation
- Confidential protection
- Help becoming a certified Green Business

NAPA COUNTY
energy
watch

ATTACHMENT 1

Energy

- CEC3 Hold an “Energy Day” event



Hosted by Environmental Education
Coalition of Napa County



Community Plan

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Energy

- CEC6 Connect homeowners and businesses for bulk purchasing power of renewable energy

City's Municipal = Deep Green

All Municipal accounts

Buildings/streetlights/meters powered by 100% California-based renewable energy

50% from CA wind and 50% from CA solar.

Napa Private overall participation rate: 89.7%; of that

- Napa City's Light Green: 98.2%
- Napa City's Deep Green: 1.8



Community Plan

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Energy

- CEC9 Investigate the viability of a local commercial PACE program

- CSCDA's Open PACE program is a turnkey resource for residential and commercial property owners to finance energy efficiency, renewable energy and water conservation.



COUNTERPOINTESMSRETM
A Hannon Armstrong Partner



Community Plan

ATTACHMENT 1

Natural and Built Environment

- Goal: Napa's Development enhances the functions of natural systems to support a vibrant, healthy community, new economic values and reduced greenhouse gases

CNB1 Organize a tour of local green homes and businesses

Yes

CNB2 Support the health of the Napa River

Yes

CNB3 Educate on the importance of ecosystem services of open space

Yes

CNB4 Hold design contest inviting high school students and others to share their vision of Napa at its greenest and most thriving future

?

CNB5 Develop a community tree map

Yes

CNB6 Transform blight through in-fill development, or adaptive re-use

Yes

CNB7 Mitigate the urban heat island effect

?

CNB8 Investigate more specific open space requirements

Yes

CNB9 Distribute information about water saving practices and technologies

Yes

CNB10 Provide better access to the Napa River

Yes

CNB11 Improve communication between the City and the community about tree removal

Yes



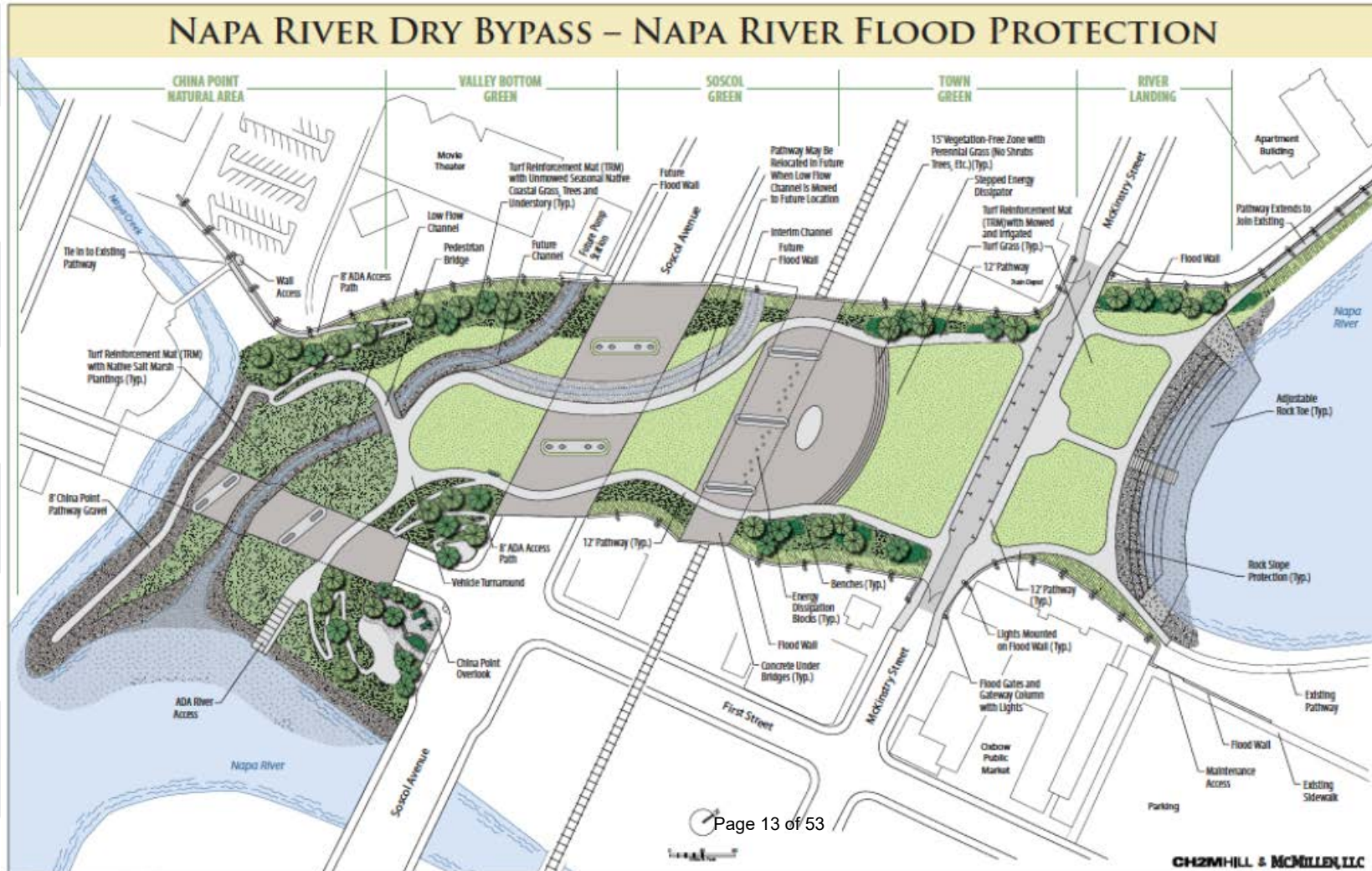
CITY OF NAPA

Community Plan

ATTACHMENT 1

Natural and Built Environment

- CNB2 Support the health of the Napa River
- CNB10 Provide better access to the Napa River



Community Plan

ATTACHMENT 1

Natural and Built Environment

- CNB3 Educate on the importance of ecosystem services of open space

Watershed Information & Conservation Council



Mission

- To improve the health of Napa County's watersheds by informing, engaging and fostering partnerships within the community.

Watershed + Community

Our Watersheds

Watershed Care

Community Stewardship



Historical Ecology

Streamflow & Litter Observations



LandSmart for Kids

LandSmart for Kids connects Napa youth to environmental science, service, and careers

The [Napa County RCD](#) offers the LandSmart for Kids Acorns to Oaks and Youth Stewards programs for middle and high schools throughout Napa County to experience hands-on, place-based, environmental education that is connected to locally significant issues and resources.

Acorns To Oaks focuses students on Napa County's oak woodlands and the ecosystem services provided by this type of habitat. Students explore the ecology of oak woodlands during a class room presentation, and participate in two fieldtrips during which they plant acorns and protect new seedlings from weed competition.

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Planting for creek restoration projects

Community Plan

ATTACHMENT 1

Natural and Built Environment

- CNB6 Transform blight through in-fill development, or adaptive re-use



Merrill to Archer



Borreo
to
Stone



Community Plan

ATTACHMENT 1

Natural and Built Environment

- CNB5 Develop a community tree map
- CNB11 Improve communication between the City and the community about tree removal

Tree Info

- GIS technical associate
- Lucy

2016 Tree Posting Policy

- Community Input and Tree Advisory Commission



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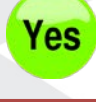





Community Plan

ATTACHMENT 1

Recycling and Waste Reduction

- Goal: Napa is a community that discourages landfill disposal of solid waste and maximizes re-use, recycling and composting

CRW1 Continue creating art projects in schools using recyclable and non-recyclable materials	
CRW2 Continue raising awareness about plastic bags, and consider a ban, or other use reduction alternatives, plastic bags and polystyrene containers	
CRW3 Raise awareness of educational opportunities to learn about waste reduction and recycling	
CRW4 Expand the Special Events recycling program	
CRW5 Add a food scraps curbside composting program	
CRW6 Build an Anaerobic Digester to convert food scraps into compressed natural gas (CNG)	
CRW7 Discourage single-use beverage containers and promote reusable containers	
CRW8 Increase the recycling rate for hard to reach customers	 
CRW9 Raise community awareness about existing programs and special collections available	 

Community Plan

ATTACHMENT 1

Recycling and Waste Reduction

- CRW2 Continue raising awareness about plastic bags, and consider a ban, or other use reduction alternatives, on plastic bags and polystyrene containers

August 2014, Adopted Ordinance 02014-10

- New Chapter 5.65, "single-use carryout bag reduction"

Not full-on plastic bag ban

- Changes at State to happen here in Napa
- Stores are still allowed plastic bags if they meet a certain thickness criteria.

2016, 40 % of California had enacted plastic bag bans

2017 Coastal Cleanup plastic bag litter dropped by 72%
1.5 % of all litter

2010 Coastal Cleanup, 65,000 plastic bags found along beaches and rivers.
7.4 % of all litter

Community Plan

ATTACHMENT 1

Recycling and Waste Reduction

- CRW3 Raise awareness of educational opportunities to learn about waste reduction and recycling



Reduce, Reuse & Recycle Guide for Napa County



Compost it!

**Remember to include
food and soiled paper!**

FOR NRWS & NCRWS CUSTOMERS



Bill inserts, Electronic Newsletters,
Tabling Special Events & Social Media

BUSINESS & SCHOOL RECYCLING

Tours & Presentations

*What happens to your recyclables and compostables
after you put them in your curbside carts?*

We invite individuals from your organization, business or school to take a tour and see our recycling and composting facility first-hand. We are also available for presentations about the economic and environmental benefits of recycling – we'll modify our presentation to make it age appropriate. To arrange for a tour, call NRWS at 707-255-5200 (south county) or 707-259-8330 for Up-Valley.



The Environmental Education Coalition of Napa County

connects teachers with local agencies and nonprofits that provide local environmental education opportunities including field trips, guest speakers, and service projects.

Visit www.napaenvironmentaled.org to learn more.



Community Plan

ATTACHMENT 1

Recycling and Waste Reduction

- CRW4 Expand the Special Events recycling program

84 special events in 2018

- Recycling & food scrap/organics composting
- Total of 357 tons diverted from landfill

Events include

- Bottle Rock,
- Downtown and Oxbow Commons events
- Community crab feeds
- 4th of July
- Napa Town and County Fair



Earth Day Napa event achieved 96% diversion rate.

Town & Country Fair achieved 78% diversion rate

4th of July celebration achieved 76% diversion rate

Community Plan

ATTACHMENT 1

Recycling and Waste Reduction

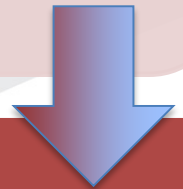
- CRW5.Add a food scraps curbside composting program

2015 began Citywide Residential composting of food scraps and soiled paper

- Ton-for-ton comparison residential landfill disposal reduced 10-13% each year following implementation
- Approx. 1800-2300 tons per year for CY2016, CY2017 & CY2018

2018 Commercial food scrap composting program continues to expand

- Over 150 businesses and schools on the program



In 2018

- 300 audits
- 180 site visits
- 100+ trainings
- 2,500 pieces of interior recycling equipment delivered

Community Plan

ATTACHMENT 1

Local Food

- Goal: Napa residents can get the majority of their fresh food from local crops and gardens

- | | | |
|-------|--|---|
| CLF1. | Establish a community kitchen |  |
| CLF2. | Create a local distribution hub |  |
| CLF3. | Provide venue & support for year-round farmers markets |  |
| CLF4. | Year-round gardening classes and understanding eating appropriately for the time of year |  |
| CLF5. | Initiate a local yard-sharing program |  |
| CLF6. | Raise awareness of LFAC's "Local Food Policies Frequently Asked Questions" document |  |
| CLF7. | Plant a community garden, instead of a lawn, in front of one of the City facilities |  |
| CLF8. | Identify unused plots that can be converted to gardens |  |
| CLF9. | Incorporate best practices like composting and drip irrigation into community gardens |  |

Community Plan

ATTACHMENT 1

Mobility and Transportation

- Goal: Napa is a connected by a mobility system that work for everyone, and driving a car is an option, not a necessity

CMT1. Promote alternative transportation options

Yes

CMT2. Continue promoting bike safety

Yes

CMT3. Encourage the use of existing bicycle and pedestrian paths, and construct more miles of paths

Yes

CMT4. Remove barriers and provide incentives for an improved mobility and transportation system

Yes

CMT5. Support NCTPA's planned overhaul of the transit system

Yes

CMT6. Examine how City policies can encourage bicycling

Yes

CMT7. Consider applying complete streets requirements for state-funded projects to City projects

Yes

CMT8. Encourage a safe and connected system of bike and walking paths

Yes

CMT9. Examine City policies regarding residential electric vehicle charging infrastructure and support the development of charging stations



CMT10. Support a well-utilized bus system that works for all



Community Plan

ATTACHMENT 1

Mobility and Transportation

- CMT2. Continue promoting bike safety

Napa PD Bike Rodeo

Napa Bike Coalition



Community Plan

ATTACHMENT 1

Mobility and Transportation

- CMT5.Support NCTPA's planned overhaul of the transit system



Completed New Transit Center Ridership Data

Annual Trips	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19
Local Napa Service	315,852	336,846	439,760	486,547	431,817	409,360	382,023



Community Plan

ATTACHMENT 1

Mobility and Transportation

- CMT6. Examine how City policies can encourage bicycling
- City Staff and BTAC
 - Reviewing and Updating Policy

Community Plan

ATTACHMENT 1

Mobility and Transportation

- CMT8. Encourage a safe and connected system of bike and walking paths



Vine Trail










Public/Private Partnership

Community Plan

ATTACHMENT 1

Local Business and Economy

- Goal: Napa is a resilient city with a thriving local economy, where businesses are supported and recognized for pursuing sustainability

CLB1.	Create green career tracks, apprenticeships, and training to keep local talent working in Napa	
CLB2.	Explore micro-loans for cottage businesses	
CLB3.	Support and leverage senior population in Napa to serve as mentors to start-up businesses	
CLB4.	Establish a revolving loan fund	
CLB5.	Create a Napa-specific website with information about clean energy technologies, companies, financing, and consumer FAQ	
CLB6.	Encourage the use of local services and the production and purchase of locally-made goods	
CLB7.	Support efforts for Napa hub to accommodate high- value telecommute jobs	
CLB8.	Market the region as a gateway to wellness and healing	
CLB9.	Develop a local carbon reserve	



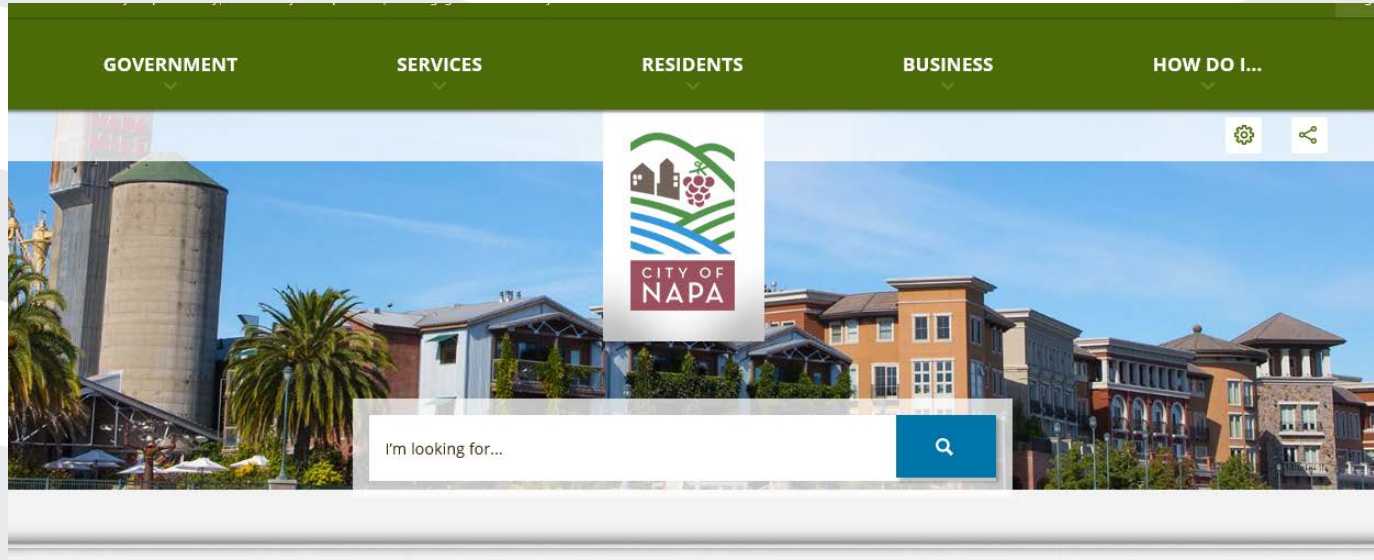
Community Plan

ATTACHMENT 1

Local Business and Economy

- CLB5. Create a Napa-specific website with information about clean energy technologies, companies, financing, and consumer FAQ

- <https://www.cityofnapa.org/486/Sustainability>



MCE Clean Energy

Single-Use Carryout Bag
Reduction Ordinance

[Home](#) > [Government](#) > [Departments](#) > [Public Works](#) > [Engineering Division](#) > Sustainability

Sustainability

The Napa City Council adopted the City's first Sustainability Plan on July 24, 2012. The Plan was funded by a block grant from the U.S. Department of Energy, and represents input collected from City staff and the community through interviews, a bilingual online survey, and a series of 16 public meetings. There are 95 initiatives in the [Sustainability Plan \(PDF\)](#).

Single-Use Carryout Bag Reduction Ordinance

Contact Us

Public Works Engineering

[Email](#)



Community Plan

ATTACHMENT 1

Local Business and Economy

- CLB8. Market the region as a gateway to wellness and healing



DO^WNTOWN
NAPA


Do The City, Downtown & More!


Community Plan


ATTACHMENT 1


Community Connectedness

- Goal: Napa is a thriving, connected network of diverse people and businesses, and sustainable goods and services.


CCC1 Install kiosks or bulletin boards that display important information, announcements, and upcoming events 


CCC2 Hold a one-day event to bring the community together and provide educational sessions on identified sustainability topics 

CCC3 Write a weekly newspaper column to share success stories, available incentives, new technologies, upcoming events and other sustainability information 

CCC4 Hold an event where the focus is on food, art, and/or radical experiences to inspire change 

CCC5 Create an online sustainability map 

CCC6 Invite individuals and groups in Napa that are passionate about sustainability issues to meet on regular basis 

CCC7 Establish a community center that is convenient, accessible and lively 

CCC8 Create a virtual town hall website to encourage civic engagement and collect input 



Community Plan

ATTACHMENT 1

Community Connectedness

- CCC2 Hold a one-day event to bring the community together and provide educational sessions on identified sustainability topics



Community Connectedness

- CCC3. Write a weekly newspaper column to share success stories, available incentives, new technologies, upcoming events and other sustainability information

Compost Girl

Recycle more, waste less!

From the Series: [Going green with Napa's Compost Girl](#) series

Dec 14, 2016

SALE! 90% OFF FOR 3 MONTHS



Bruno

Submitted



Welcome to our first monthly installment. My name is Kendra Bruno (Compost Girl!) and I am currently serving as the Waste Prevention Specialist for the City of Napa.

Have you ever stood there looking between the landfill, recycling, and compost containers wondering which bin the item in your hand goes? Knowing which container to use can be confusing, especially when things are made out of an increasing number of different materials. There are times

City Plan

ATTACHMENT 1

Who:

- City Staff, Decision Makers, Subject Matter Experts





Focus:

- Energy
- Water
- Recycling and Waste Reduction
- Planning and Land Use
- Transportation



Energy

- Objective: Reduce Energy used for facilities, streetlights and water transport; implement corresponding behavior change initiatives

- | | | |
|-----|---|---|
| E1. | Continue retrofitting streetlights with LEDs (retrofit 400 streetlights) | Yes |
| E2. | City lighting retrofits in City facilities |  |
| E3. | Continue replacing HVAC units with energy efficient models and develop a replacement schedule (replace 5 units) |  |
| E4. | Continue server virtualization | Yes |
| E5. | Utilize virtual computing technology to reduce the number of physical desktops and save energy | Yes |
| E6. | Support behavior change and install micro-controls | Yes |
| E7. | Explore feasibility of adding more renewable energy on City property (500 KW) |   |

City Plan

ATTACHMENT 1

Energy

- E1 Continue retrofitting streetlights with LEDs (retrofit 400 streetlights)

Electrical Division

- All Streets Lights Within City
- +/- 5000 lights



Energy

- E2 City lighting retrofits in City facilities
- E3 Continue replacing HVAC units

On-Going Effort

- Garages Yes, Buildings no
- HVAC inspected in Facilities Assessment



Facility Condition Inspections (This Week & Next)

Energy

- E4. Continue server virtualization
- E5. Utilize virtual computing technology to reduce the number of physical desktops and save energy

Information Technology

E4. Computer operations = 10 servers down from 35 servers in 2012.

E5. In progress at this point.



City Plan

ATTACHMENT 1

Energy

- E7 Explore feasibility of adding more renewable energy on City property (500 KW)

Light Green avoided
emissions 3,211 lbs CO²

Deep Green avoided
emissions 1,791,267 lbs CO²

Total avoided emissions,
2017 1,794,478 lbs CO²

88,627 Gallons of gas

61,060 pounds of coal burned

1,824 barrels of oil consumed

13,024 tree seedlings grown for 10 years

927 acres of US forests in 1 year



Water

- Objective: Conserve water in City facilities and address infrastructure upgrades that save water and the associated energy to pump water. Continue to collaborate with Napa Sanitation regarding stormwater and recycled water systems

W1.	Identify and convert additional customers to recycled water	Yes
W2.	Continue conducting water efficiency audits at City facilities and parks	Yes
W3.	Analyze and reduce real water losses	Yes
W4.	Continue Cash for Grass program	Yes
W5.	Provide Smart Irrigation Controller rebates	Yes
W6.	Landscaper education	Yes



Water

- Objective: Conserve water in City facilities and address infrastructure upgrades that save water and the associated energy to pump water. Continue to collaborate with Napa Sanitation regarding stormwater and recycled water systems

Goal: 2020 target of 132 gallons per capita per day (GPCD),

- Surpassed 2020 target with GPCD results of 115, 114, 116 in 2015, 2016, 2017.

Identify and convert additional customers to recycled water

- 18 irrigation customers using NapaSan recycled water, recent additions are Stanly Ranch, Napa State Hospital, and Napa Valley Commons.

Continue conducting water efficiency audits at City facilities and parks

- Parks irrigation audits are being planned for 2019 to help improve benefits of Central Control system

Analyze and reduce real water losses in distribution system

- System Water Loss is now regulated under State law SB 555. Revised City goals for this item will be set once the State standard is published in 2020.

Continue Cash for Grass program

- 2018 Program has now replaced a total of 1.38 million square feet of turf, saving approximately 35 million gallons per year, or 1.1 GPCD.

Provide Smart Irrigation Controller rebates






- This rebate program was deferred due to low participation reported by other agencies. City is planning to introduce this rebate in 2019 with modified goals

Landscaper education

- City sponsored 5 Bay-Friendly Landscape Maintenance and Design Trainings since 2010, certifying 149 professionals.

Recycling & Waste

- Objective: Reduce the amount of solid waste produced by City operations by purchasing sustainable products and encouraging recycling

R1.	Implement the Sustainable Purchasing Policy	
R2.	Establish food composting program for City Facilities	
R3	Centralize and streamline printing functions	
R4.	Implement a two-sided printing policy	
R5.	Increase the number of recycle bins at the Corp Yard and in administrative area	

Recycling & Waste

• R1 Implement the Sustainable Purchasing Policy

Sustainable purchasing policy adopted in 2010

- Decentralized purchasing
- Lack of central staff
- Commitment to the policy,
- City practicing less sustainable purchasing than ever
 - e.g., inconsistent commitment to purchased high-recycled content copy paper

CITY OF NAPA CITY COUNCIL AGENDA REPORT

ADMIN CALENDAR
AGENDA ITEM 6.A.
Date: December 21, 2010

To: Honorable Mayor and Members of the City Council
From: William Zenoni, Interim Finance Director
Prepared by: Ann Mehta, Purchasing Services Manager
Subject: Update on Proposed Sustainable Purchasing Policy

ISSUE STATEMENT:

Administrative Report on City of Napa Sustainable Purchasing Policy.

DISCUSSION:

In response to previous Council requests and consistent with the Council adopted theme of sustainability, staff has developed an Administrative Policy for Sustainable Purchasing (See Attachment 1). Sustainable Purchasing is an integrated approach that identifies how purchasing can best support the community's long-term interests, and can strengthen the City's fiscal responsibility and environmental stewardship as it relates to procurement practices.

Recycling & Waste

- R5. Increase the number of recycle bins at the Corp Yard and in administrative areas

Yes – and standardization across city buildings.

- Tremendous progress
- Calculated saved the City's general fund approximately \$50K per year while significantly increasing recycling and introducing food composting at most City facilities.

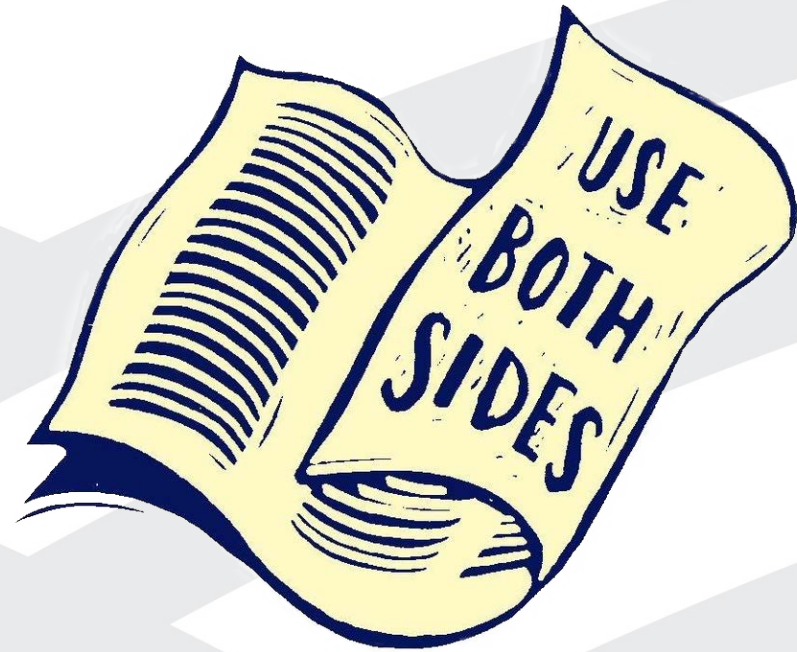
Recycling & Waste

- R3 Centralize and streamline printing functions
- R4. Implement a two-sided printing policy

Information
Technology

R3. Centralized
printing has been
implemented, goal
complete.

R4. Printing policy
is in place but not
enforced at all city
facilities.



Planning and Land Use

- Objective: Balance the goals of economic development with respect for the natural environment. Encourage green building, walkable neighborhoods, and support for local food

P1	Prepare and implement next phase of High Performance Building Ordinance (HPBO) for remodels and additions	Yes
P2.	Implement the policies in the Downtown Napa Specific Plan	Yes
P3.	Develop policies that support the citywide installation of electric vehicle charging infrastructure and solar panels in parking facilities	Yes
P4.	Ramp up the existing sidewalk repair program	Yes
P5.	Initiate a regional economic development strategy with Napa County and other jurisdictions in the county	?
P6.	Pursue funding as a designated Priority Development Area (PDA) to accomplish sustainability goals in the Soscol Gateway and Downtown corridor	?



Planning and Land Use

- Prepare and implement next phase of High Performance Building Ordinance (HPBO) for remodels and additions

- Building Dept
- Currently adopted 2018 California Green Building Standards Code with
 - all mandatory measures required.
- Water Division amended the “plumbing fixture flow rates”
- MDF amended “material conservation and resource

CAL Green

Planning and Land Use

- Implement the policies in the Downtown Napa Specific Plan

- Main Street Streetscape
- Two way conversion
- First St Street Streetscape
- Coombs St One way









Planning and Land Use

- P4. Ramp up the existing sidewalk repair program

- LSPP
- Measure T
- SW Cost Share

Transportation

- Objective: Curb vehicle fleet emissions by decreasing the amount of fuel used and encouraging staff to use alternative transportation

T1.	Encourage staff to take the bus, carpool, vanpool, walk, or bike to work	
T2.	Replace two City fleet vehicles with electric vehicles and install two electric vehicle charging stations	
T3	Install electronic tracking technology	
T4.	Create an anti-idling policy for City vehicles	
T5	Continue right-sizing the City fleet	
T6.	Initiate a pooling concept in the City fleet	

Polystyrene Ban?

- Effort would be expected to be similar to plastic bag ban--\$100,000 budget
- If Council would like to pursue, recommendation is for staff to develop a decision package as part of the future budget process for resource allocation

Two concurrent efforts with sustainability/climate action plan components

- General Plan Update
- Countywide Working Group on Regional Climate Change

Continue initiatives within Sustainability Plan that are consistent with City workplans

City Council Action

- Questions for City staff
- Invite Public Input
- Council Deliberation and Direction Regarding Implementation of the City's Sustainability Plan