



Winters City Council Meeting
City Council Chambers
318 First Street
Tuesday, March 5, 2013
6:30 p.m.

Members of the City Council

*Cecilia Aguiar-Curry, Mayor
Woody Fridae, Mayor Pro-Tempore
Harold Anderson
Wade Cowan
Bruce Guelden*

*John W. Donlevy, Jr., City Manager
John Wallace, City Attorney
Nanci Mills, City Clerk*

6:00 p.m. – Executive Session

AGENDA

Safe Harbor for Closed Session – Pursuant to Government Code Section 54954.5

Pursuant to Government Code Section 54956.8 of the Government Code - Real Estate Negotiations – Property Located at 430 Cottage Circle, Winters - Real Property Negotiator City Manager John W. Donlevy, Jr.

6:30 p.m. – Regular Meeting

AGENDA (pp 1-4)

PLEASE NOTE – The numerical order of items on this agenda is for convenience of reference. Items may be taken out of order upon request of the Mayor or Council Members. Public comments time may be limited and speakers will be asked to state their name.

Roll Call

Pledge of Allegiance

Approval of Agenda

COUNCIL/STAFF COMMENTS

PUBLIC COMMENTS

At this time, any member of the public may address the City Council on matters, which are not listed on this agenda. Citizens should reserve their comments for matter listed on this agenda at the time the item is considered by the Council. An exception is made for members of the public for whom it would create a hardship to stay until their item is heard. Those individuals may address the item after the public has spoken on issues that are not listed on the agenda. Presentations may be limited to accommodate all speakers within the time available. Public comments may also be continued to later in the meeting should the time allotted for public comment expire.

CONSENT CALENDAR

All matters listed under the consent calendar are considered routine and non-controversial, require no discussion and are expected to have unanimous Council support and may be enacted by the City Council in one motion in the form listed below. There will be no separate discussion of these items. However, before the City Council votes on the motion to adopt, members of the City Council, staff, or the public may request that specific items be removed from the Consent Calendar for separate discussion and action. Items(s) removed will be discussed later in the meeting as time permits.

- A. Minutes of the Regular Meeting of the Winters City Council Held on February 19, 2013 (pp 5-11)
- B. Final Acceptance - Construction Contract for Grant Avenue and Matsumoto Lane Signal Improvements, Project No. 11-01, and Gateway Utilities, Project No. 08-06 (pp 12)
- C. Street Closure Request and Amplified Sound Permit Application Submitted by Buckhorn Steakhouse for Monthly Car Shows to be Held on the Second Tuesday of the Month from March through October, 2013 (pp 13-16)

PRESENTATIONS

Renewable BioGreen Digester Project & Renewable Compressed Natural Gas Fueling Facility at the Yolo County Central Landfill (pp 17-36)

DISCUSSION ITEMS

- 1.
-

CITY OF WINTERS AS SUCCESSOR AGENCY TO THE WINTERS COMMUNITY
DEVELOPMENT AGENCY

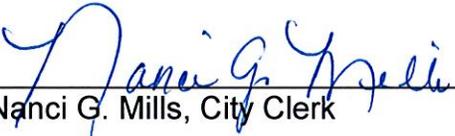
1.

CITY MANAGER REPORT

INFORMATION ONLY

ADJOURNMENT

I declare under penalty of perjury that the foregoing agenda for the March 5, 2013 regular meeting of the Winters City Council was personally delivered to each Councilmember's mail boxes in City Hall and posted on the outside public bulletin board at City Hall, 318 First Street on February 27, 2013, and made available to the public during normal business hours.



Nanci G. Mills, City Clerk

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General Notes: Meeting facilities are accessible to persons with disabilities. To arrange aid or services to modify or accommodate persons with disability to participate in a public meeting, contact the City Clerk.

Staff recommendations are guidelines to the City Council. On any item, the Council may take action, which varies from that recommended by staff.

The city does not transcribe its proceedings. Anyone who desires a verbatim record of this meeting should arrange for attendance by a court reporter or for other acceptable means of recordation. Such arrangements will be at the sole expense of the individual requesting the recordation.

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*Winters City Council Agenda
Meeting of March 5, 2013*

City Council agenda packets are available for review or copying at the following locations:

Winters Library – 708 Railroad Avenue

City Hall – Finance Office - 318 First Street

During Council meetings – Right side as you enter the Council Chambers

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Wednesday at 10:00 a.m.

Videotapes of City Council meetings are available for review at the Winters Branch of the Yolo County Library.



Minutes of the Regular Meeting of the
Winters City Council Held on February 19, 2013

6:00 p.m. – Executive Session

AGENDA

Safe Harbor for Closed Session – Pursuant to Government Code Section 54954.5

Pursuant to Government Code Section 54956.8 – Real Estate Negotiations - Downtown Hotel between Railroad Avenue, Abbey Street, First Street and Newt's Expressway, Winters, CA, Real Property Negotiator City Manager John W. Donlevy, Jr.

6:30 p.m. – Regular Meeting

Mayor Aguiar-Curry called the meeting to order at 6:30 p.m.

Present: Council Members Harold Anderson, Wade Cowan, Woody Fridae, Bruce Guelden and Mayor Cecilia Aguiar-Curry

Absent: None

Staff: City Manager John Donlevy, City Clerk Nanci Mills, Assistant City Attorney Kara Ueda, Director of Financial Management Shelly Gunby, Economic Development/Housing Programs Manager Dan Maguire, and Management Analysts Mary Jo Rodolfa and Tracy Jensen.

The Pledge of Allegiance was led by Tracy Jensen.

Approval of Agenda: City Manager Donlevy said there were no changes to the agenda. Motion by Council Member Fridae, second by Council Member Cowan to approve the agenda. Motion carried unanimously.

COUNCIL/STAFF COMMENTS: Council Member Guelden said he attended the 2X2 with WJUSD.

Council Member Cowan said he also attended the 2X2 with WJUSD; checked out the new cameras for the police cars with Police Chief Gutierrez, Mayor Aguiar-Curry and Council Member Guelden; on 2/8 attended the Chamber of Commerce board meeting; the next Agri-Tour has been scheduled for 3/27 at the Alpaca Farm in Allendale; Winters will be in the April issue of Sunset magazine; The New York Times came to Winters to interview Newt Wallace, the oldest paper boy in the world; attended the Chamber mixer at Spin-A-Yarn on 2/11; attended the Planning Commission Orchard Village Park special meeting, where Pat Riley was appointed as the new Planning Commission rep on the Affordable Housing Steering Committee; attended the Chamber Board budget workshop; reminded everyone to buy their ducks for the Youth Day Duck Derby.

Council Member Fridae announced the Putah Creek North Bank Trail grand opening on Saturday, February 23rd @ 1pm and invited all to attend.

Council Member Anderson attended a Lower Putah Creek Coordinating Commission (LPCCC) planning meeting at the Lake Solano office on 2/7; attended a Yolo County Transportation District (YCTD) meeting in Woodland; attended a Yolo-Solano Air Quality Management District (YSAQMD) meeting on 2/13; attended an LPCCC meeting in Vacaville on 2/14; attended a Yolo Stewardship dinner hosted by Supervisor Saylor, which is carrying over from the Yolo Leadership group to capitalize on the uniqueness of the cities within Yolo County and evolve into something bigger and better for the County.

Mayor Aguiar-Curry attended the SACOG Land Use meeting and orientation, and also met with Kathy Stone for an update on SWW on 2/7; on 2/11 met with PEP Housing and John Hammond regarding Senior Housing opportunities and discussed the First Time Home Buyers program, and also attended the Hispanic Advisory Committee meeting and discussed increasing participation of Hispanic Community at civic events. The next Hispanic Advisory Committee meeting on March 11 will include a workshop to discuss options. On 2/14 met with Steve Greenfield from Cunningham Engineering regarding their offerings; on 2/19 met with Nicole Needham regarding investor opportunities in Winters and met with property owner on Neiman Road; the next Yolo Leaders meeting is scheduled for 2/27 at the Yolo County Department of Education from 4:00 – 6:15 p.m. where the topic will be Community Schools Partnership. The Putah Creek Trail opening will be on Saturday, 2/23 @ 1:00 p.m. Technology Night, sponsored by the Winters PTA and partnered with local business El Puebla will be held on 2/20 from 6:00 – 7:00 p.m. and will give the opportunity to see the new technology that our students have been using.

PUBLIC COMMENTS: None

CONSENT CALENDAR

- A. Minutes of the Regular Meeting of the Winters City Council Held on Tuesday, February 5, 2013
- B. Resolution 2013-05, a Resolution of the City Council of the City of Winters Receiving from the Successor Housing Agency the Annual Housing Element Progress Report to Legislative Body, Governor's Office of Planning and Research and State Department of Housing and Community Development for the Calendar Year Ending December 31, 2012 and Authorizing its Transmittal to the State Department of Housing and Community Development and the Governor's Office of Planning and Research

City Manager Donlevy gave a brief overview. Motion by Council Member Fridae, second by Council Member Anderson to approve the Consent Calendar. Motion carried unanimously.

PRESENTATIONS

Mat Ehrhardt, Executive Director of Yolo-Solano Air Quality Management District gave a power point presentation and confirmed that residents are able to receive notification regarding air quality via website, e-mail or text message. Mayor Aguiar-Curry asked if farmers could work through this system and asked if it was coordinated through the County. Mat said burn permits are needed by farmers (or non-residential customers); they must also contact the district or burn line to verify whether it's a burn day or a no-burn day. YSAQMD participates in many community events and also focuses on public education campaigns such as "Spare the Air" and "Don't Light Tonight." Council Member Anderson asked Mat to compare the exhaust of a gas lawn mower to an automobile. Mat said it would take approximately 250 miles for an automobile to emit the same pollutant levels as a gas lawn mower. Mat added that there are 16 mowers available at local retailers that would qualify for the 2012 Yolo-Solano Mower Exchange program, replacing gas-powered mowers with no-emission electric models. Debra DeAngelo asked if the mower exchange program included electric to electric. Mat said no, the grant doesn't allow it. Council Member Guelden asked if there were sensors around the County to measure pollutant levels. Mat said the EPA provides a service in which sensors are placed in many locations throughout the County. Council Member Fridae asked if notifications are sent regarding burn days. Mat said notifications can be received regarding air quality only, not burn days. Residents can go to enviroflash@ysaqmd.org for air quality information. Mayor Aguiar-Curry thanked Mat for the presentation and also thanked the YSAQMD for providing LGC dinners.

DISCUSSION ITEMS

1. Consideration of Resolution 2013-06, a Resolution of the City Council of the City of Winters Adopting the Second Update of the Bikeway System Master Plan

City Manager Donlevy gave an overview. The adoption of this second update makes the City eligible for project funding and SACOG's list for future projects.

Motion by Council Member Fridae, second by Council Member Anderson to approve Resolution 2013-06 and adopt the second update of the Bikeway System Master Plan. Motion carried with the following vote:

AYES: Council Members Anderson, Cowan, Fridae, Guelden, Mayor Aguiar-Curry
NOES: None
ABSENT: None
ABSTAIN: None

2. Law Enforcement Chaplaincy Program

Chief Gutierrez said the Winters Police Department would like to implement the Law Enforcement Chaplaincy Program in March, 2013, which has evolved from peer counseling. Law Enforcement Chaplain Jim Wilson, who is currently serving as the Dixon Police Department's chaplain, has agreed to share his services by representing the Winters Police Department as the Law Enforcement Chaplain. Chaplain Wilson trained through the law enforcement academy to provide services for police departments and other first responders including confidential discussions and has been trained to work on a professional level while remaining religiously neutral. Chaplain Wilson will also provide support following critical and serious incidents to police and first responders and their extended families, and will also provide student counseling.

Chief Gutierrez reminded everyone that Chaplain Wilson will also be here for good things and Winters will see many benefits from the program, stressing that he will not be the grim reaper. They have had meetings with Senior Chaplain Scott Montgomery, who provides services for the Woodland Police Department, who has offered his assistance to surrounding jurisdictions. Woodland is the only agency within our jurisdiction that has a chaplaincy program. Chief Gutierrez said the chaplain position is a no cost/non-paid position and does not provide law enforcement, but allows the Chaplain to serve for moral value and to support the first responders.

Mayor Aguiar-Curry said one tragedy could affect a large part of our department. Chaplain Wilson said there is a debriefing of police and fire personnel after

critical incidents and said during last year, 484 first responders committed suicide nationwide. The average life expectancy is 78, while the average life expectancy for first responders is 66. We must protect our assets and stop the trend of early death attributed to stress or heart attack. Chief Gutierrez thanked Council for the opportunity to share this information.

3. Wastewater Services Monthly Update

Southwest Water Company (SWWC) Facility Manager Jim Keating gave an overview of the January, 2013 monthly report, which included 43 lateral blockage call-outs, jumping from 23 in December. These call-outs take quite a bit of time away from operations, which takes away from the OIT (Operator in Training) program. They have been able to utilize the City's camera system, enabling them to see what the blockage is, ie: collapse, root growth, weather, etc. The City ordinance states the City is responsible for the clean-out 3 feet from the street and residents need to be made aware of their responsibilities. The Synopsis of Operations log provided by SWWC reflects the current and completed projects and listed the February goals, which may or may not be completed by the end of the month and may be carried over to next month. Calibrations have also been done for the year SWWC is receiving materials to complete repairs for the south irrigation fields, including landscaping and cleanup.

Council Member Cowan noted the number of call outs in the 400 block of Baker, Abbey & Grant and asked if this was part of the area that was going to be re-done. City Manager Donlevy said this area will be re-done as part of the core area. Mayor Aguiar-Curry asked if the East Street Lift Station pump is under warranty and it was confirmed. Mayor Aguiar-Curry said the City ordinance needs to be reviewed and City Manager Donlevy said ownership has responsibilities and the public needs to be educated regarding the problems that have been videoed. Council Member Anderson asked if everyone had a cleanout. City Manager Donlevy said everyone has a cleanout and with the City's push camera we have the ability to investigate and not guess what the problem is. Jim said cleanouts are not always 3 feet from the street and in one case it was 10 feet from the street. Many factors surround the blockage and the City has become Roto Rooter. Staff will discuss the possibility of a fee schedule for call outs and will come to Council for any proposed policy changes.

Mayor Aguiar-Curry said she appreciated the monthly reports and can see why some things aren't getting done. City Manager Donlevy said staff needs the correct tools to address the issue and will be upping the overall approach. We can't have residents and property owners calling the cell phones of staff members directly. Jim said he has put an end to these direct calls. City Manager Donlevy said staff is working on a plan to have a preventative maintenance program in place for each facility, including water wells and waste

water facilities. Technology will be used so staff will always have access to manuals, sewer mapping, the description of capital items that are being worked on, as well as a deferred maintenance program. Mayor Aguiar-Curry thanked Jim for the update.

4. 2011-2012 Comprehensive Annual Financial Report (CAFR)

City Manager Donlevy gave an overview and said the first CAFR was completed in 2001, which gives a full disclosure for everything financial in the City. The CAFR, which is comprised of information about factors affecting the financial condition of the City, the effect of the economy on our ability to adhere to certain financial policies, information about capital projects and information about the awards that have been received by the City, and goes into great depth to explain both the good and bad aspects of the fiscal situation of the City. The CAFR also gives insight in great detail the overall financial health of the City, not just for this year but where the City is going from an accountability standpoint.

Director of Financial Management Shelly Gunby said the CAFR also contains a letter of transmittal, an organization chart, a list of officials and last year's award and said the statistical section has changed over the last 10 years. She reviewed the contents of the CAFR, breaking down the revenues, the balance sheet and net assets.

City Manager Donlevy said the City could pay off the unfunded liability if needed, which changes from year to year based on actuarial makeup of the workforce and added it would never be zero.

Council Member Anderson asked if the post-retirement health contribution was for the employee and spouse. Shelly said the post-retirement health is for the employee and spouse and the amount doesn't change, but the retirement contribution is for the employee only. Council Member Guelden said the sales tax took a drop in 2009, came back strong in 2012 and asked if the increase could be attributed to a specific retailer. Shelly said it was due to the downtown revitalization. City Manager Donlevy said the vitality of the downtown has helped, but the quality of activity by businesses also accounts for the increase. The decimation of Lake Berryessa resulting in the lack of gas sales also reflects how we have been impacted.

Council Member Cowan asked about the different funds listed, specifically the beverage recycling (CRV) fund and asked why we never spend it and if there were restrictions on this fund. Carol Scianna said the money in this fund is reserved for educational recycling programs in the schools and community. Council Member Fridae asked about the assessed value of property. Shelly said the values are split in two: outside and inside the redevelopment area. Mayor

Aguiar-Curry thanked Shelly for the presentation and Council Member Fridae congratulated Shelly on receiving yet another award.

CITY OF WINTERS AS SUCCESSOR AGENCY TO THE WINTERS
COMMUNITY DEVELOPMENT AGENCY

1.

CITY MANAGER REPORT: City Manager Donlevy will attend the Lake Berryessa Re-Use Committee meeting at the Berryessa Senior Center on 2/27 on behalf of the City, where he will reiterate Council's position: Markley Cove cannot close. The ski zone issue will not be supported and there will be no comment on the trailers. The grand opening of the North Bank Trail will be held this Saturday at 1:00 p.m. New sod has been put down in a construction area near the Community Center and is looking great. This project is something Winters can be extremely proud of. Council Member Fridae said there will likely be a large turnout and said Lynne Secrist is bringing a musical group for the grand opening. City Manager Donlevy reminded everyone of the Council Economic Development Workshop to be held tomorrow at the Public Safety Facility at 6:30 p.m.

INFORMATION ONLY

1. October 2012 Treasurer Report
2. October 2012 Investment Report
3. November 2012 Treasurer Report
4. November 2012 Investment Report
5. December 2012 Treasurer Report
6. December 2012 Investment Report

ADJOURNMENT: Mayor Aguiar-Curry adjourned the meeting at 8:31 p.m. in memory of Juanita Skaggs and Carl Branscum.

Cecilia Aguiar-Curry, Mayor

ATTEST:

Nanci G. Mills, City Clerk



TO: Honorable Mayor and Council Members
DATE: March 5, 2013
THROUGH: John W. Donlevy, Jr., City Manager
FROM: Alan Mitchell, City Engineer
SUBJECT: Final Acceptance - Construction Contract for Grant Avenue/Matsumoto Ln. Signal Improvements, Project No. 11-01, and Gateway Utilities, Project No. 08-06.

RECOMMENDATION: Staff recommends that City Council: accept the Grant Avenue/Matsumoto Ln. Signal Improvements, Project No. 11-01, and Gateway Utilities, Project No. 08-06 as complete, and direct the City Clerk to file a Notice of Completion.

BACKGROUND: The signal project included the traffic signal, road widening, lighting, removal of the I-505 southbound free right-turn lane onto Grant Avenue, and limited pavement rehabilitation. The Gateway Utilities, Project No. 08-06 was added into the signal contract documents and bid as one project. The utility project included extension of a water main down Grant, from E. Main Street to Matsumoto Lane, extension of a water main across Grant, from the south side at Matsumoto Lane, and extension of a sewer main and electrical power to tie-in the new SS Lift Station to service Matsumoto Lane development.

On May 1, 2012, the City Council awarded a construction contract to Vintage Paving in the amount of \$1,032,993.10. The signal was activated in October, which allowed Burger King/Arco to open. Vintage completed the full improvements and Punchlist, in December, and staff has been coordinating with Caltrans on final acceptance. The improvements have been deemed acceptable by City staff and Caltrans staff. Therefore, staff recommends the City Clerk file a Notice of Completion with the County.

ALTERNATIVES: None recommended by staff.

FISCAL IMPACT: The cost of the Grant Avenue/Road 90 Signal Improvements project is being paid through a combination of TDA and Street Impact funds. A cost-allocation will be established to reimburse the City through the development of the properties that trigger the signal.

The cost of the I-505/Gateway Utilities is being paid through 2007 Sewer and Water Bonds and other infrastructure funding sources. A Zone of Benefit will be established to reimburse the City through the development of the properties the utilities serve.

The final construction cost of the project is \$1,079,081 (\$744,829 - Signal, and \$334,252 - Utilities), which is within the authorized amount of \$1,136,292.



**CITY COUNCIL
STAFF REPORT**

TO: Honorable Mayor and Councilmembers
DATE : March 5, 2013
THROUGH: John W. Donlevy, Jr., City Manager
FROM: Nanci G. Mills, Director of Administrative Services
SUBJECT: Request for Street Closure and Amplified Sound Permit Application for The Buckhorn Steakhouse Monthly Car Show

RECOMMENDATION:

Approve the closure of Main Street between Railroad Avenue and First Street to allow for The Buckhorn to sponsor a Car Show on the second Tuesday of each month from 5:00 p.m. to 8:00 p.m. and includes the following dates: March 12, April 9, May 14, June 11, July 9, August 13, September 10, and October 8, 2013. Also approve the accompanying Amplified Sound Permit Application.

BACKGROUND:

Linda Rodriguez of The Buckhorn has requested the closure of Main Street between Railroad Avenue and First Street and the approval of the Amplified Sound Permit Application for the dates specified above.

Ms. Rodriguez has notified the Main Street business owners located between Railroad Avenue and First Street of the requested closure dates and pending amplified sound permit between March and October. She has provided the names and signatures of those business owners who have acknowledged and agreed to these requests. She has requested that closure notification be posted on all affected streets a minimum of 24 hours prior to the scheduled closures and barricades be placed at the Main/Railroad and Main/First intersections.

This event allows the community to come out, enjoy the spring, summer and fall evenings while strolling up and down Main Street, viewing the classic automobiles on display. As per the City's Street Closure Ordinance, this request requires Council approval of identified streets on the attached form.

FISCAL IMPACT: TBD (Police staff overtime, signage, barricade placement)



City of Winters Request for Street Closure

This application is for citizens or groups that have occasion to request that streets be temporarily closed for such things as bicycle races, running contests, block parties and other such events requiring the re-routing of traffic. For a parade or amplified sound an additional permit is required.

A request to close streets shall be filed with the Police and Public Works Departments at least ten (10) business days prior to the date the street would be closed.

There shall be no closure of the following streets without Council approval:

1. Main Street
2. Railroad Street
3. Grant Avenue
4. Valley Oak Drive
5. Abbey Street

Request to close these streets shall be processed in much the same manner except that the request shall be submitted to the City Council by the Police Department. Requests to close the streets herein listed shall be submitted at least thirty (30) business days prior to the street closure.

Requests for street closures that are not submitted by the minimum time lines may be granted only by the Winters City Council.

Name: Buckhorn Steakhouse Organization: _____

Address: 2 Main Street Winters Mailing Address: 2 Main Street

Telephone: 530-795-4503 Today's Date: 2/25/13

Streets Requested: Railroad to first on Main Street

Date of Street Closure: 2nd Tuesday of each Month Time of Street Closure: 4:30-8:30

Description of Activity: March-October Car Show

Services Requested of City: Close Street

APPROVED: _____ Police Department _____ Public Works Department

_____ Fire Department

Date of Application: 2/25/13 To City Council: _____

Name of Person(s)/ Organization: John Pickeral Contact: Linda Rodriguez
Business Address: Buckhorn Steakhouse Telephone: 530-795-4503
2 Main Street Winters 530-908-0405
Telephone: 530-795-4503

Type of Event: Car Show

Purpose of Event: (ie; fundraiser, parade, festival, etc.): Bring people to Winters

Date/Time of Event: 2nd Tuesday of each Month From: March To: October

Location/Address of Event: 1st Street to Railroad on Main 4:30-8:30
Railroad to east Main St.

Rated Output of Amplifier in Watts: _____ Number of Speakers: _____

I have provided a list of and contacted all property owners adjacent to and within 300 feet of the event. Their approval of this event is indicated by their signature on the attached petition. Complaints about the sound will result in a warning and a request to reduce the volume. Additional complaints will result in the cessation of amplified sound. All amplified sound must be extinguished no later 10:00 p.m. pursuant to Winters Municipal Code Title VI; Chapter 7-Noise Control. Signing below certifies that all information contained within this application is correct. In the event that any of this information is found to be fraudulent, it may result in an automatic denial of this application.

Signature: Linda Rodriguez

For City Use Only

Proof of Insurance: N/A (Not City Property) Yes No

Rental Fee Paid: N/A (Not City Property) Yes No

Police Department: Approved Denied Date: _____

Authorized Signature: _____

City Council: Approved Denied Date: _____

Authorized Signature: _____

Address	Owner's Last Name	Object	Approve/Sign	NH*
10 Main Street	Pickeral			
1 Main Street	Pickeral			
26 Main St	Ireland			
30 Main St	Adryis Boutique			
38 Main St	La Bodega			
44 MAIN STREET	BAL MOKANO	✓		
48 Main St.	Linda Barbosa			
45 main st	Arechiga Victor			
43 Main Street	Arce			
	Root Stock			✓
	Yarn Shop			✓
41 Main Street	Myke Myke			
35 main st.	Pacific Ace Hardware	✓	Cecilia Chavez	
23 Main St	Winters Health	✓	Chris	
31 Main St.	Winters Health	✓	Chris	
Howard Brown				✓
Camille's Hair				✓
Berlyssa Shop				✓
Victor's Center				✓
Cloth Carousel				✓
S.E. Main St.	Schwab			

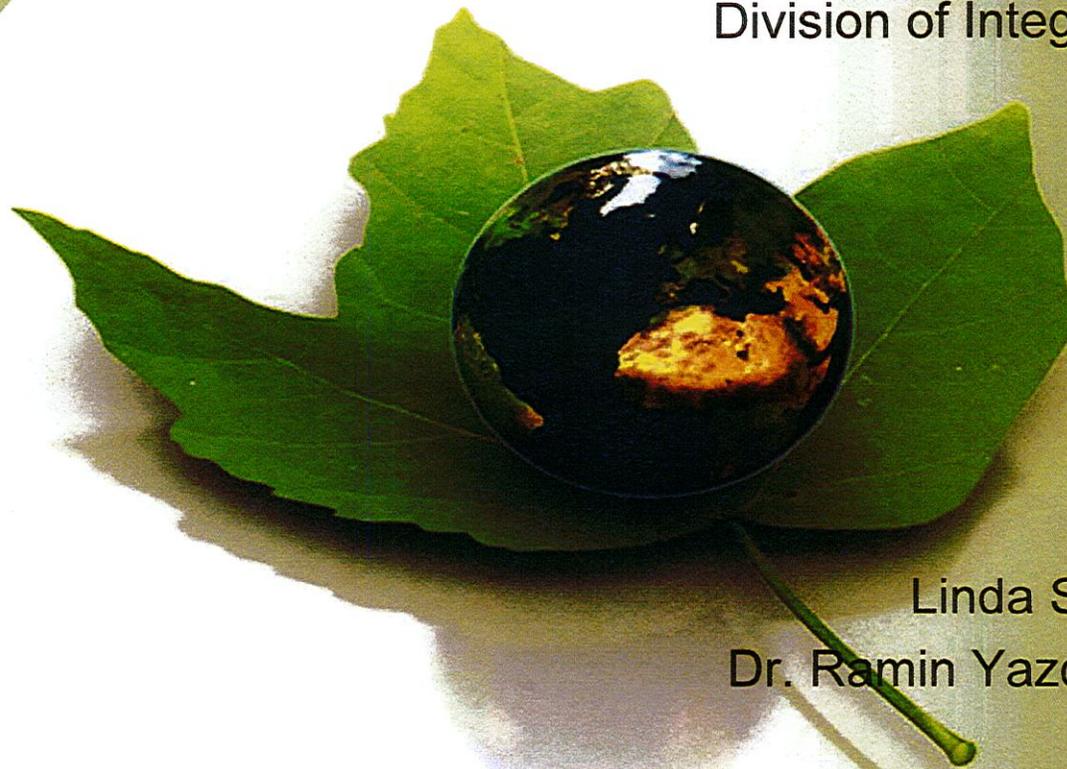
* NH-Attempted to contact but noone was home.

Yolo County's Renewable BioGreen™ Digester Project

By Planning and Public Works Department
Division of Integrated Waste Management

For City of Winters

March 5, 2013



Presenters:

Linda Sinderson, Deputy Director

Dr. Ramin Yazdani, Senior Civil Engineer

Division of Integrated Waste Management

Project Goals

- Serve all cities in Yolo County
- Residential and commercial sector
- State of the art composting & anaerobic digestion project
- Divert not only green waste but also food waste
- Disposal cost lower than landfilling to encourage participation

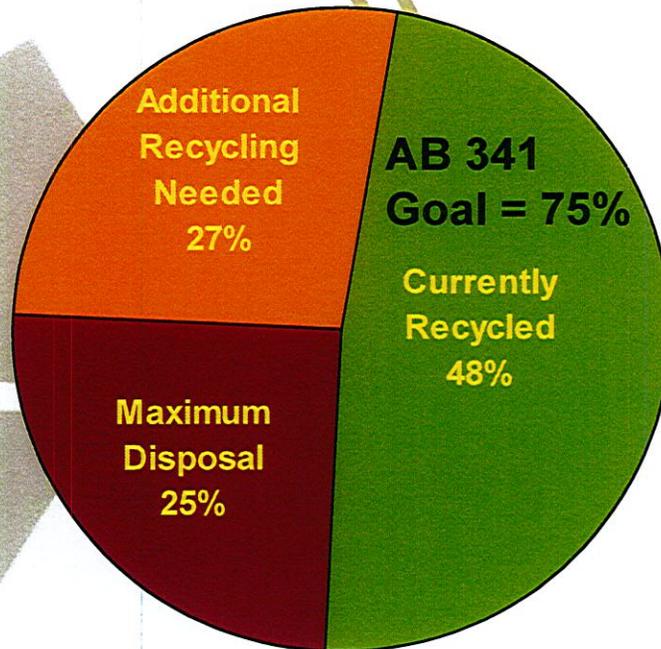
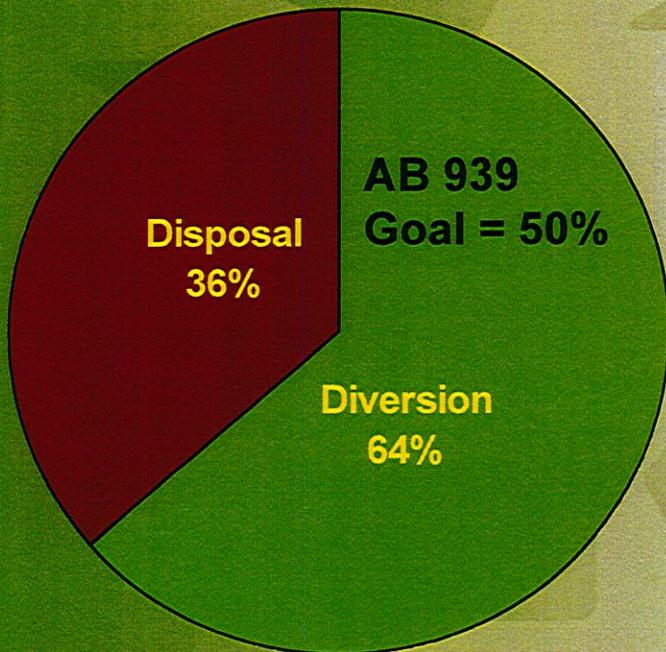


Yolo County Waste Diversion



CalRecycle is Proposing New Requirements

- AB 939 ≠ AB 341
- 50% Mandate ≠ 75% Goal
- 64% Diversion = 48% Recycling

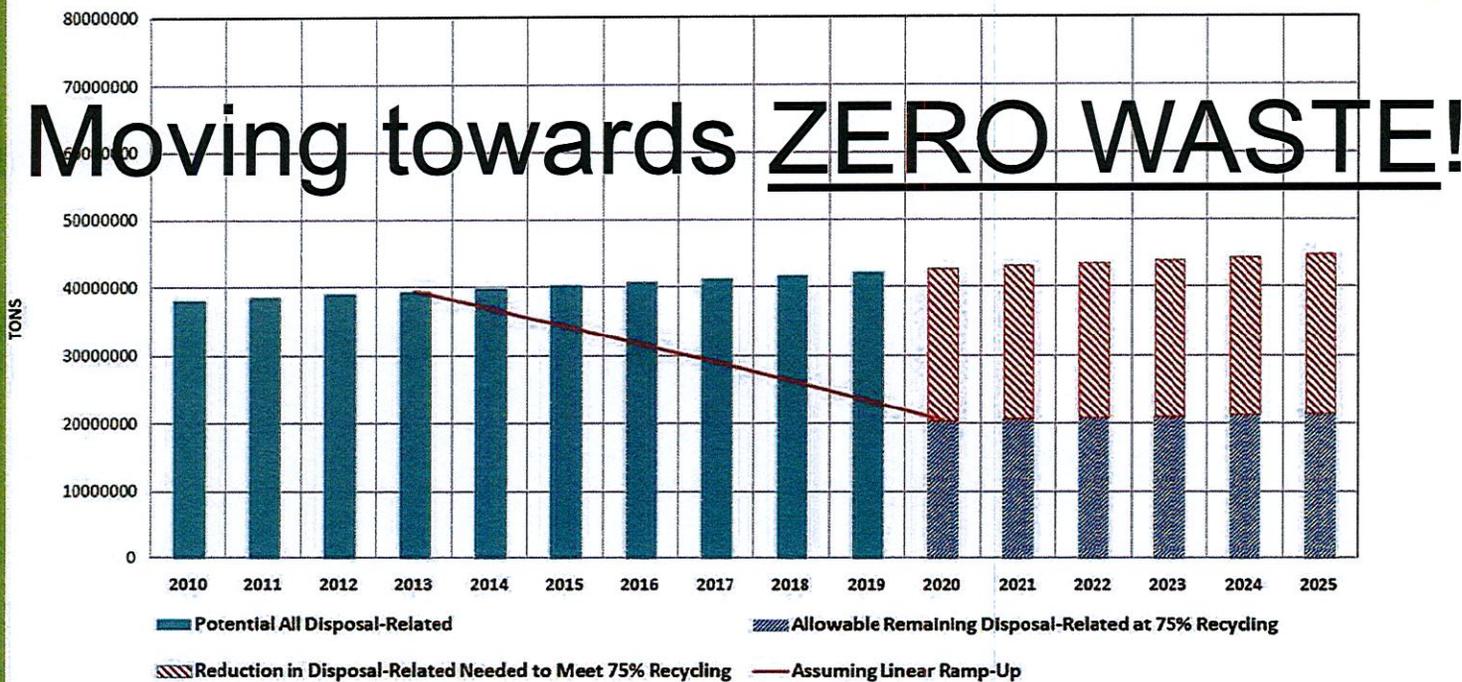


Future Vision

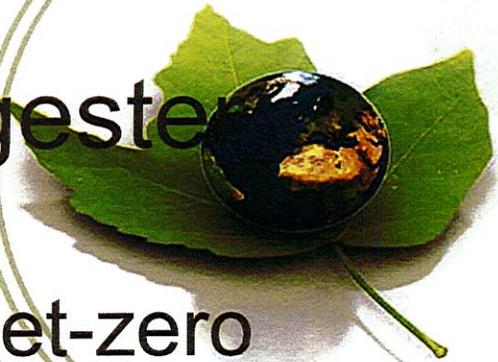


75% Recycling by 2020 (AB 341)

Chart 2. Statewide Projected (Medium Growth) Annual Potential Disposal-Related Tonnages, Reduction Needed to Meet 75% Recycling, & Remaining Disposal-Related Activity at 75% Recycling.



Renewable BioGreen™ Digester



- Vision: Design and operate a “net-zero energy” digester - produces a surplus of energy
 - Produce electricity
 - Produce compressed natural gas (RCNG)
 - Produce PV solar power
 - Produce compost
 - Reduce emissions
 - Reduce carbon foot print

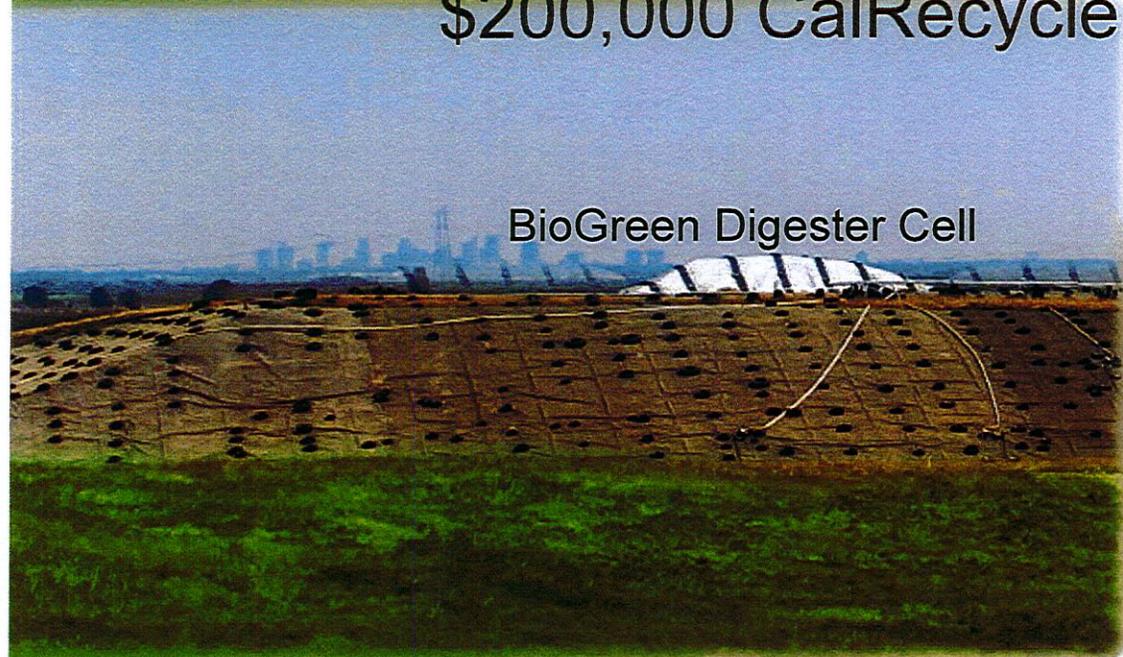
Renewable BioGreen™ Digester

2,000 tons Demonstration Project- 2007-08

\$200,000 CalRecycle Grant

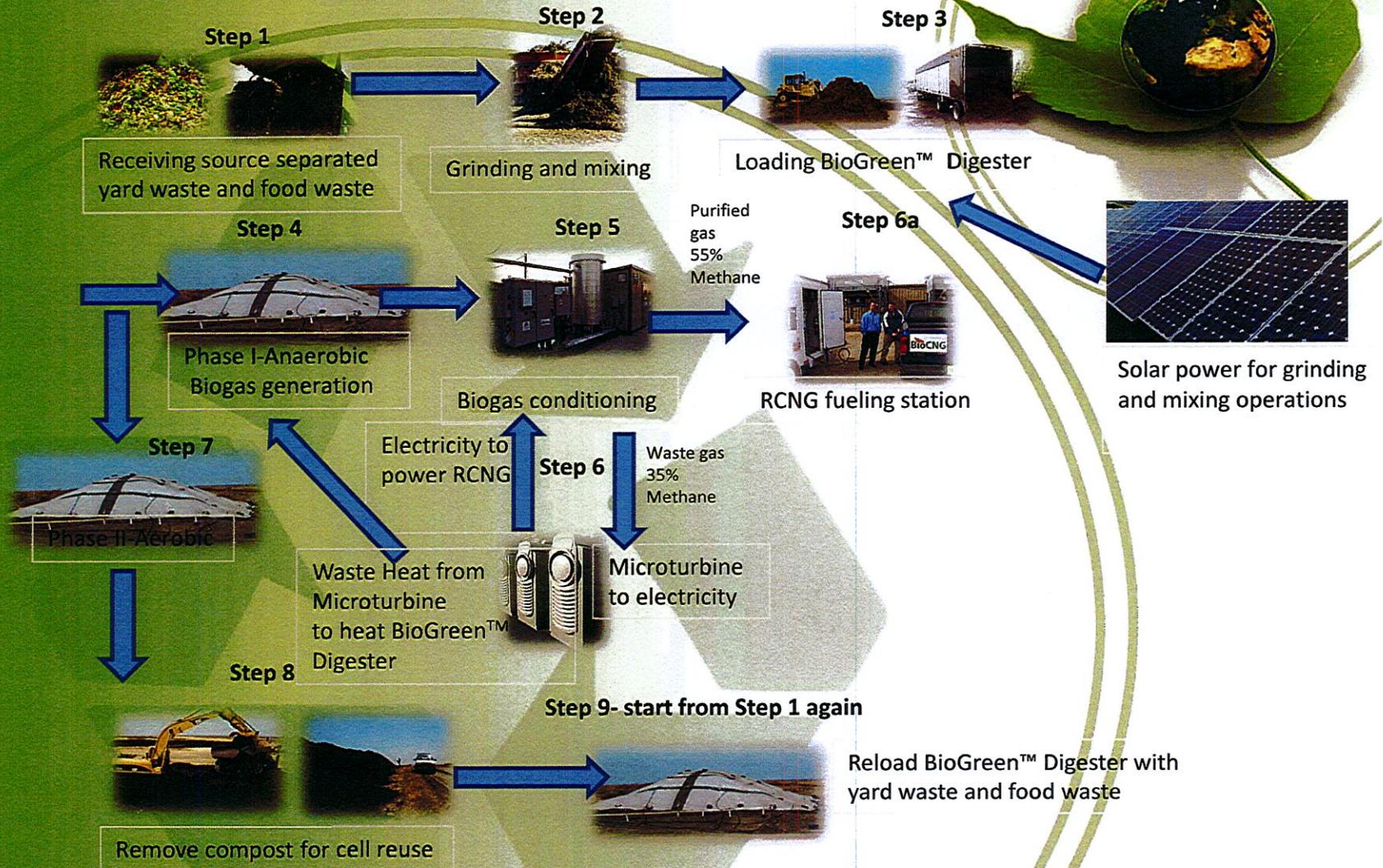


BioGreen Digester Cell

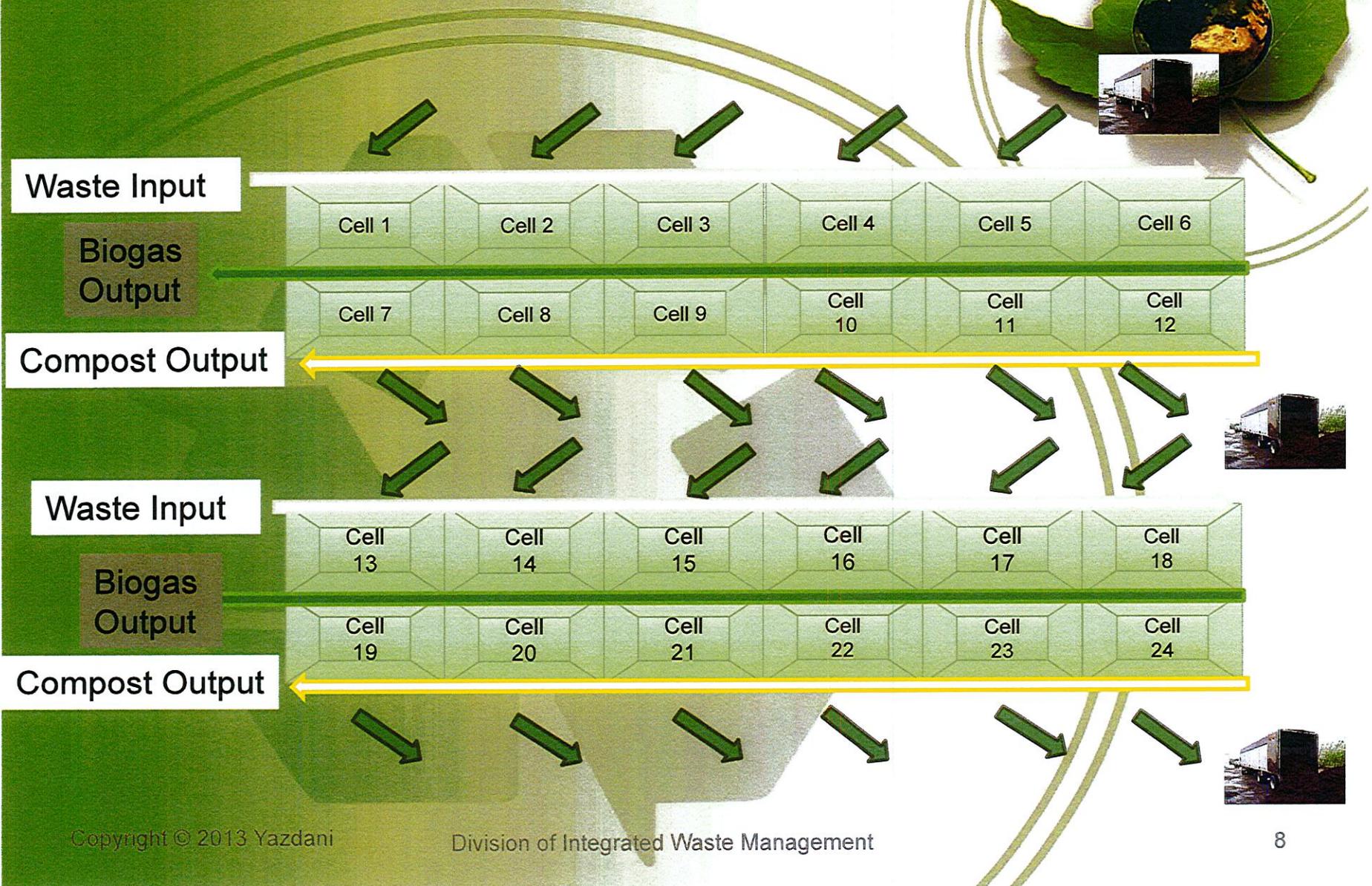


CalRecycle final project report is available on-line at:
www.calrecycle.ca.gov/Publications/Organics/2010002.pdf

Renewable BioGreen™ Digester



Renewable BioGreen™ Digester Project Plan View



Renewable BioGreen™ Digester



- 50,000 tons per year facility benefits:
 - Regional facility close to cities-short haul
 - Process organic waste (green waste, food waste, manure, and other liquids (FOG))
 - Produce biogas and compost
 - Produce RCNG from biogas (298,000 GGE/yr)
 - Use solar energy for operation (1 Mwatt)
 - Minimize project carbon footprint
 - Minimize project capital and O & M cost

Renewable BioGreen™ Digester



Option	Total Capital Cost	Average Annual O & M Cost	Total Financing Cost	Average Annual Revenue	2014 Tip Fee per ton
A	\$8.9 million	\$2.4 million	\$4.2 million	\$3.2 million	\$41.50
B	\$14.6 million	\$2.5 million	\$6.9 million	\$3.9 million	\$36.50

- Option A- Digester only
- Option B- Digester with RCNG production and solar power
- Produces 298,000 GGE of RCNG that fuels 35 trash trucks
- County owned and operated facility & creates 7.5 FTE
- Both investment options have a positive Net Present Value at discount rate of 3% (IRR = 3%)
- Assumed loan annual interest rate = 4%, projected life = 20 yrs

Renewable BioGreen™ Digester



- Need support of all cities
 - Commitment by cities to haul green waste and food waste to YCCL
 - Commitment by hauling companies to purchase fuel (RCNG) for waste trucks at YCCL
 - Sell compost produced

Think Green-Think Clean



The iconic rumbling garbage truck may have met its match: natural gas.

Waste Management on Friday will announce it is pushing forward on a nationwide plan to convert all of its 18,342 trucks from loud and smoky diesel engines to quieter and cleaner compressed natural gas-powered machines.



The latest destination for the company's CNG trucks will be the Houston area, starting at a facility in Conroe where 80 trucks will be able to refuel with gas overnight.

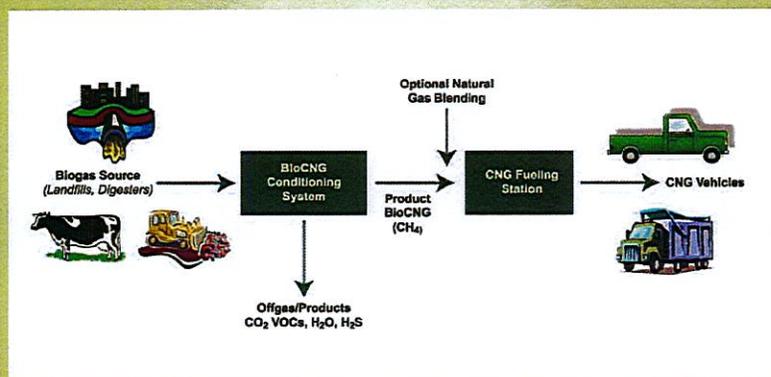
The Houston-based refuse collection giant is the latest in a line of major corporations, including UPS and AT&T, to expand their use of natural gas in fleet vehicles - convinced it is the cheapest and most environmentally friendly option to power their daily road operations.

Biogas to RCNG

- Converting biogas to RCNG
 - Produce transportation fuel
 - Power light and heavy weight vehicles



BioCNG Vehicle Fueling System



Cornerstone Environmental Group, LLC

BioCNG

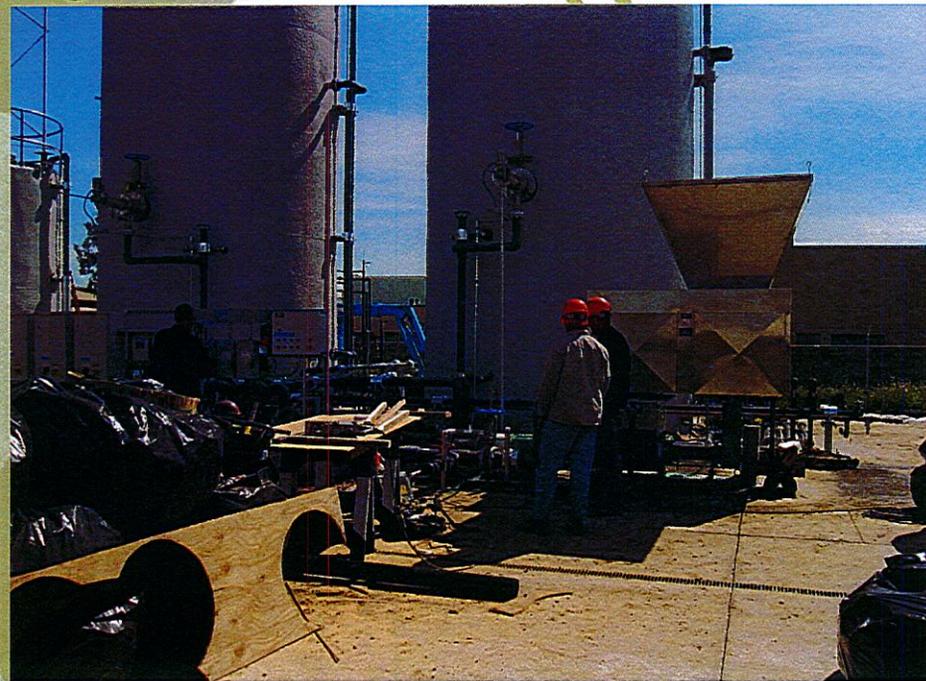
BIOGAS CONDITIONING UNIT



Local Biogas to RCNG



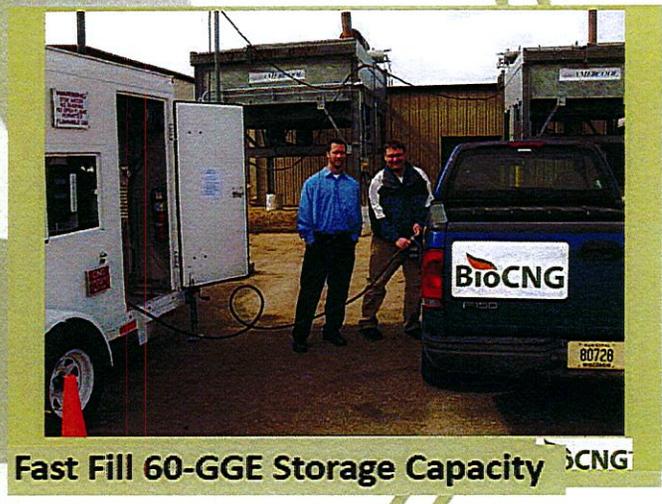
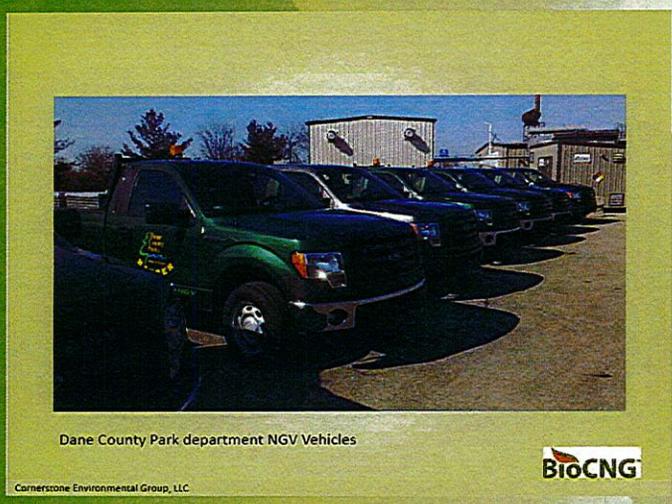
- American River *Packaging* in Sacramento
- Fuels waste hauling trucks



Landfill Biogas to RCNG



- Examples: Dane County Wisconsin
- System installed in 2010
- Produces 100 GGE per day
- Fleet size: 19 County Light Duty Trucks



Landfill Biogas to RCNG



- Example: St. Landry, LA
- System installed in 2012
- Produced 250 GGE per day
- 15 sheriff and public works vehicles



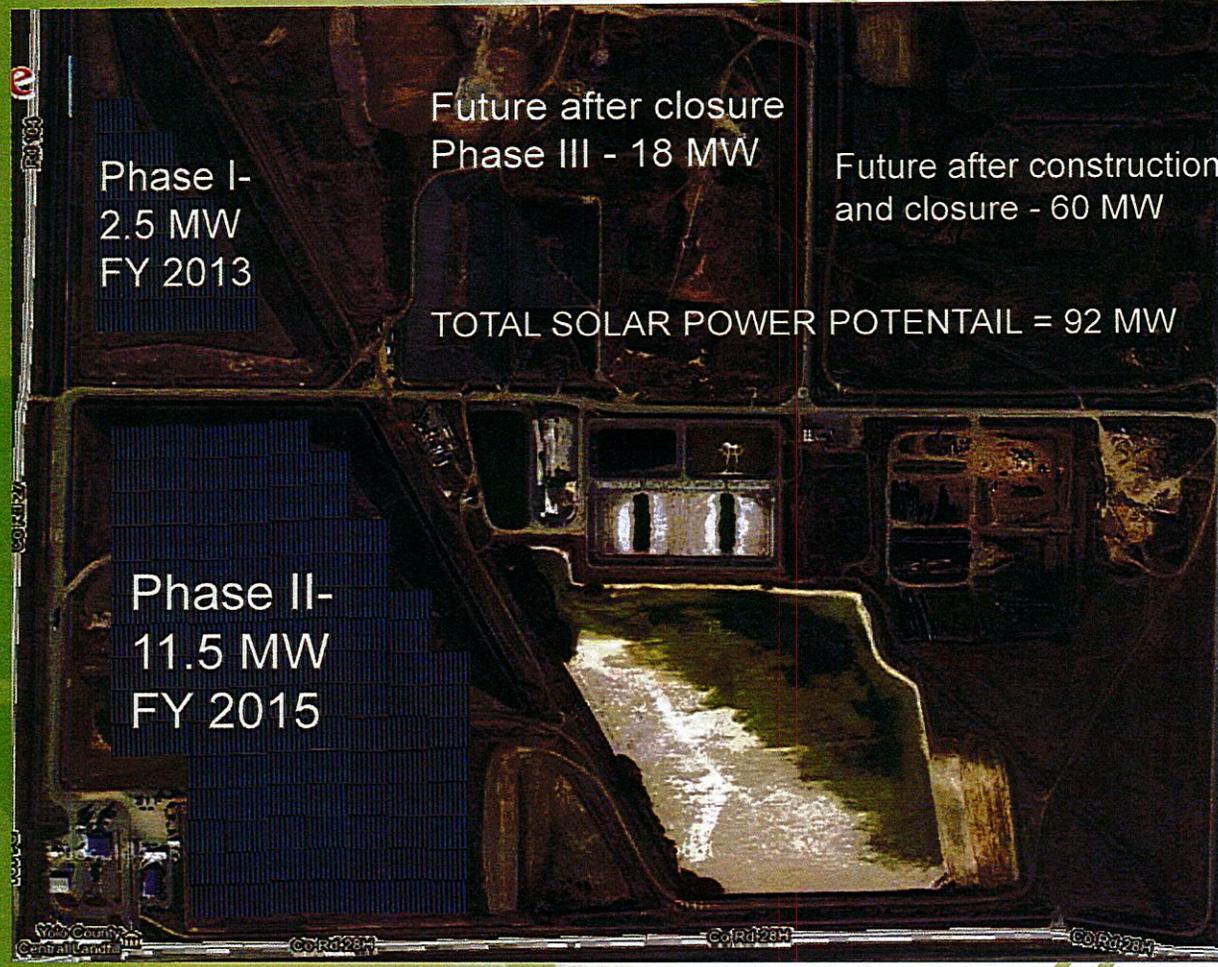
St Landry Parish, LA BioCNG 50 March, 2012
Cornerstone Environmental Group, LLC



Janesville, WI WWTP BioCNG 50 February, 2012
Cornerstone Environmental Group, LLC

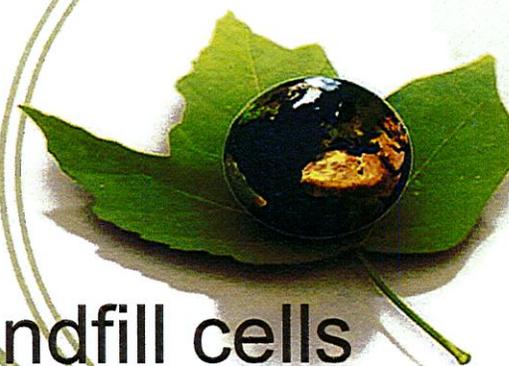


Solar Panels on Closed Landfill Cells



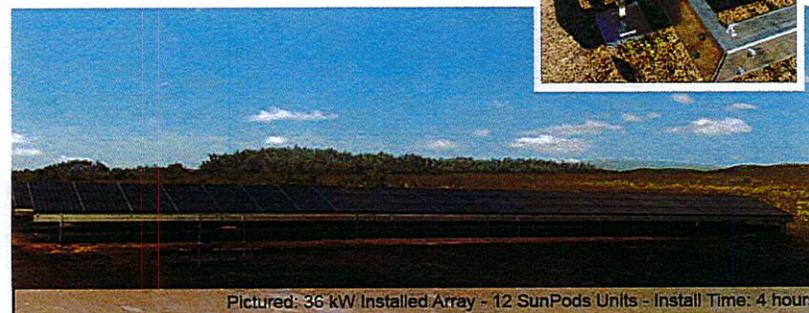
Landfill Solar Project

- Solar power on top of closed landfill cells
 - Reduce energy cost & generate revenue
 - Portable panels
 - Quick installation
 - Project in Woodland

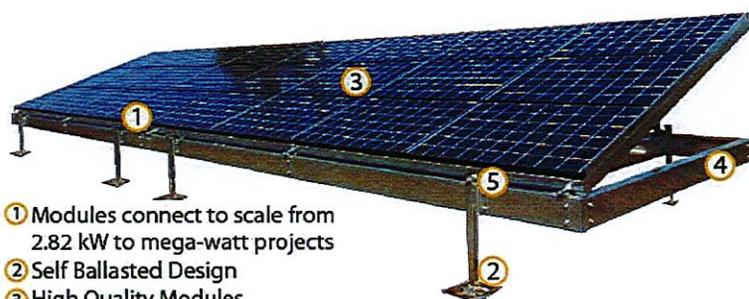


SUNPODS SP-500 SOILS™

Solar Operational Integrated Landfill System™



▶ Sunpods: complete factory-built, minimal impact solar arrays



- ① Modules connect to scale from 2.82 kW to mega-watt projects
- ② Self Ballasted Design
- ③ High Quality Modules
- ④ G-90 Galvanized Steel Frame
- ⑤ Power Adjustable Legs

Project Timeline

- City contract executed - April 2013
- Permitting - May 2013
- Design - July 2013
- Site prep & start construction - Aug. 2013
- Start operation - June to Oct. 2014



Questions?

Thank you

