Burrtec Waste Industries, Inc.
Inaugural Sustainability Report

“We’ll Take Care Of It”
Our vision here at Burrtec is to create environmental solutions for our customers through sustainable programs and responsibly handling the material we collect. Our efforts not only reach our customers, but extend to our employees as well as the communities in which we serve. We believe that what is good for Burrtec communities, is good for Burrtec.

As industry leaders, it is important to Burrtec that we remain experts within California regulation and legislation regarding recycling, refuse, and the environment. We share California's passion for the environment and want to work together on focusing on the needs for future generations here in California.

Burrtec prides itself on its mission statement “We’ll Take Care Of It.” This statement encompasses the Burrtec philosophy that shines through to what we value; our customers, our communities, our environment, and each other.

In this report, you will find out who Burrtec is, where we have been, and the road ahead. We are continually finding better ways to develop programs focused on reducing the human impact on the environment and creating a better future for all Californians.

Cole Burr  
President & CEO of Burrtec Waste Industries, Inc.

Edward Burr  
Chairman of the Board, Burrtec Waste Industries, Inc.
Since 1955, the Burr family has built a reputation of integrity, dependability and excellence in customer service that has set a new standard in the industry. Burrtec has always been at the forefront of material processing and landfill diversion efforts in California, we take pride in our environmental stewardship and in partnering with our customers and communities to achieve sustainability goals. Our attitude and commitment to our customers can be expressed in a few short words that make up our company’s philosophy, a complete and thorough…”We’ll Take Care Of It.”
Organizational Profile

Founded .................................................... 1955

Headquarters ................................Fontana, CA

Employees ................................................ 1,155

Material Recovery Facilities ......................6

Transfer Stations ........................................... 5

Landfills ......................................................7

Active Collection Vehicles ......................... 656

Alternative Fuel Collection Vehicles .......... 255

Service Area
- Adelanto
- Apple Valley
- Barstow
- Bradbury
- Cathedral City
- Coachella
- Coachella CSD
- Duarte
- Eastvale
- Fontana
- Grand Terrace
- Highland
- Indian Wells
- Indio
- Jurupa Valley
- La Quinta
- Los Angeles County
- Montclair
- Palm Desert
- Pomona
- Rancho Cucamonga
- Rancho Mirage
- Rialto
- Riverside
- Riverside County
- Salton City
- San Bernardino
- San Bernardino County
- Santa Clarita
- Twentynine Palms
- Upland
- Victorville
- Yucaipa

Hauling Yard
- Azusa
- Barstow
- Coachella
- Crestline
- Fontana
- Palm Desert
- Pomona
- Riverside
- San Bernardino
- Santa Clarita
- Victorville
- Yucca Valley

Transfer Station/MRF
- Agua Mansa
- Burbank
- Coachella Valley Compost
- Edom Hill
- Coachella
- East Valley
- West Valley
- Victor Valley
**Synthetic Oil**  
In 2011, Burrtec completed a three year conversion from conventional lubricants to synthetic lubricants.

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**CNG Fueling Station**  
Through 2011, Burrtec has transformed over 160 diesel fuel trucks to natural gas. Burrtec also installed its very own CNG fueling station in 2011 to accommodate for its CNG fueled refuse vehicles.

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**Coachella Valley Compost**  
In January 2011, Burrtec acquired Coachella Valley Compost. CVC is permitted for 250 tons a day of food waste, green materials, liquid waste, and wood waste.

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**Food Waste Collection Program**  
Californians throw away more than 5 million tons of food waste each year. A food establishment, on average, disposes of more than 50 tons of food waste each year. In order to divert food waste away from our landfills, food waste collected in our pilot program, started in 2011, will be turned into useful products for gardeners and farmers.
Environment
Natural Gas Vehicles generate fewer exhaust and greenhouse gas emissions than their gasoline-or diesel-powered counterparts. Burrtec has transitioned over 160 diesel fuel trucks to natural gas trucks. In 2011, Burrtec installed their own CNG Fueling station. Natural gas is one of the most widely used forms of energy today. It is commonly used to heat and cool homes, and businesses nationwide. In addition, more than 180,000 natural gas (compressed and liquefied) vehicles, including over 3,000 refuse trucks and one out of every five transit buses, are operating successfully in the US today. Natural Gas’ popularity stems, in part, from its clean-burning properties.
Characteristics of Compressed Natural Gas (CNG)

CNG is odorless, colorless, and tasteless. An odorant called mercaptan is normally added to CNG by gas utilities, so that it can be easily detected. It consists mostly of methane and is largely drawn from underground gas wells created from decayed organic matter. CNG vehicles store natural gas in high-pressure fuel cylinders at 3,000 to 3,600 pounds per square inch. CNG fueling stations use pipeline gas, much like homes and businesses do for heating and cooling. However, before it is dispensed to a vehicle, the gas is first compressed using motor driven compressors and stored in high pressure storage vessels.

Domestically Abundant

The United States has vast natural gas reserves distributed across the country through 1.2 million miles of pipeline systems extending from the wellhead to the end-user. Approximately 85% of all the natural gas consumed in the United States is produced domestically. Furthermore, 98% is produced in North America. CNG is currently available at over 1,500 fueling stations. Experts predict that there are 200 years of domestic natural gas reserves based on 2008 consumption levels. Each gallon of natural gas consumed is a 100% replacement of foreign oil.

Affordability

The Natural Gas market is more stable than gasoline or diesel markets. CNG typically costs >$1.00 per gallon less than gasoline or diesel on a gallon equivalent basis. High-volume fleets such as refuse trucks have the ability to receive discounted rates at the pump and can save thousands of dollars each year in fuel costs by operating a natural gas fleet.

Safety

Although CNG is a flammable gas, it has a narrow flammability range (5% to 15% air/fuel combustion ratio, making it an inherently safe fuel. In the event of a spill or accidental release, CNG poses no threat to land or water because it is non-toxic. CNG also disperses rapidly, minimizing ignition risk relative to gasoline. Natural gas is lighter than air and will not pool as a liquid or vapor on the ground.

Emissions Reductions

Today’s natural gas ISL-G engine offers tremendous emissions reductions and is significantly cleaner and quieter than diesel engines. To put it into perspective, placing one natural gas refuse truck on the streets is equivalent to removing 325 cars from the road. The molecules below represent natural gas (top) and diesel (bottom). The comparison illustrates why natural gas is inherently cleaner than diesel, which has more hydrocarbons and contributes to greenhouse gases as described below.
Four key areas for emission reductions.

Oxides of Nitrogen

The ISL-G natural gas engine reduces Nitrogen Monoxide (NOx) by 60% compared to a diesel engine.

Particulate Matter

Diesel Particulate Matter (PM) is defined by the California Environmental Protection Agency (Cal EPA) as a toxic air contaminant whereas Natural Gas PM is not listed.

Greenhouse Gases

While CNG is primarily methane, a greenhouse gas, CNG vehicles have a closed fuel system in which methane is burned in the combustion process eliminating its release to the environment. A study commissioned by the California Air Resources Board found that natural gas heavy duty vehicles provide up to a 23% overall greenhouse gas emissions reduction compared to diesel model vehicles.

As an example, a natural gas refuse truck using 9,100 gallons of fuel per year would reduce approximately 26 metric tons of GHG emissions annually when compared to an equivalent diesel model refuse truck.

Noise

Natural gas engines are up to 10 decibel quieter than diesel engines.
Synthetic Oil

Conventional lubricants are refined from crude oil. Synthetic lubricants, on the other hand, are chemically engineered to form pure lubricants. Synthetic lubricants contain no contaminants or molecules that don’t serve a designed purpose. They are made from molecules that are saturated with a higher percentage of carbon-hydrogen bonds, leaving fewer sites to which other, harmful molecules can attach and attack the molecular composition of the oil.

By converting to AMSOIL, DEO, Burrtec has significantly reduced engine oil consumption. The environmental benefits of this range from less dependence on foreign oil, less waste produced, and cost to the company, which is passed on to consumers.
Fractions of commercial and residential waste can be processed into engineered fuels. Depending on the quality of the material, this can be used in industrial furnaces, cement plants, and power plants.

Refuse Derived Fuel (RDF) is classified as an innovation of waste-to-energy technology created by shredding and drying out municipal solid waste material. The raw material mostly used for conversion is the combustible fraction of waste which usually consists of plastics and biodegradable matter.

Refuse Derived Fuel production starts by collection and transportation of raw materials, and then comes the separation and sorting of municipal solid waste. In this process, the noncombustible and recyclable materials are removed since it does not have the potential to be converted to energy. The noncombustible can still be useful after taking treatment to improve their value. It can be recycled and reserved for use in other purposes.

The process may be divided into five stages: Preliminary Liberation, size screening, magnetic separation, coarse shredding and refining separation. Electricity Generation is the primary use of Refuse Derived Fuel. It helps resolve the underlying concerns due to consumption of energy means. Refuse derived fuel process is also classified as a type of green energy as the production of Refuse Derived Fuel use waste which also lessens and eliminates raw materials in exchange for a clean energy source. This process lessens the emission of gas in the air, and it lessens the waste in landfills.
Environmental Action Programs

Regulatory Compliance

Burrtac provides waste assessments through our Environmental Coordinator Staff that customizes each commercial customers zero waste initiative needs. If a customer would like to reduce their trash by creating recycling programs within their business, Burrtac staff can assess which program is best for the customer.

AB341: With the Assembly Bill 341 now in effect, Burrtac is taking an aggressive approach to educate customers as well as employees on these new regulations.

Businesses are now required to recycle, and jurisdictions will need to implement a program that includes education, outreach, and monitoring. The regulations also allow for phased-in implementation. Jurisdictions are required to report in the 2012 Electronic Annual Report (due Aug. 1, 2013) on their initial education, outreach, and monitoring efforts, and, if applicable, on any enforcement activities or exemptions implemented by the jurisdiction.

With the emerging of AB341, Burrtac has created new commercial recycling programs that drive toward sustainability and zero waste.

Educating our Customers: Burrtac is enthusiastically educating our commercial customers and encouraging them to create sustainability within their own businesses. Burrtac offers a variety of training to ensure each customer is successful with their zero waste initiative program.

Educating our Employees: In order to assure that our customers receive the most up-to-date information on regulatory compliance, we thoroughly educate our whole staff through training seminars held by industry experts.
Burrtec recognizes that over 30% of organic compostable waste ends up in California landfills each year.

Californians throw away virtually 5 million tons of food scraps annually. While green waste material collection programs have been implemented throughout California, increasing food scrap collection for composting would provide additional opportunities to help meet the State’s recycling goals.

Compost brings nutrients to the soil, prevents erosion and conserves water, which helps support germination of seeds and new plant growth.

**Burrtec’s Composting Operation Locations:**

- West Valley Material Recovery Facility
- Coachella Valley Compost Facility
- Agua Mansa Material Recovery Facility
Customers
Social Media
Burrrtec’s Facebook page allows followers to get creative recycling tips and up-to-date information regarding their trash and recycling services.

School Tours
Burrrtec provides tours of our transfer and material recovery facilities to allow students and different organizations to understand how we process our material. Our viewing room allows tour attendees to see the whole processing line from beginning to end.

Newsletters
Burrrtec newsletters are mailed out with the customer’s bill, informing the customer of important dates, information about recycling, city ordinances, and easy tips on how to bring recycling into their homes or business.

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Recycling Life Cycle

1. No Garden Hoses. Despite being made from rubber, vinyl or a combination of both, garden hoses are never recycled. When broken down, they could cause problems in the recycling process.
2. No Diapers. Diapers should be placed in your trash bin.
3. No Hazardous Waste. This means no paint, motor oil, batteries, syringes, needles, etc. Hazardous wastes place our facility staff at risk. Do not place it into the trash bin; take it to a Household Hazardous Waste facility for proper disposal.
4. No Pet Food Bags. The wax coating prevents the bags from breaking down in the environment, therefore they are not recyclable.
5. No Electronic Waste. These items are best recycled through a proper e-recycler or take those items to a Household Hazardous Waste facility for proper disposal.

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Contact Information
Burrtec at (909) 949-0500. Also, please help us help you. Do not give permission to scavengers to take recyclables. Burrtec at (909) 949-0500. Also, please help us help you. Do not give permission to scavengers to take recyclables. Burrtec at (909) 949-0500. Also, please help us help you. Do not give permission to scavengers to take recyclables.

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Recycle Right!
Only these types of materials in your recycling barrel or bin.
• Aerosol cans (must be completely empty)
• Aluminum cans (please do not crush)
• Tissue boxes
• Tin cans
• Styrofoam products
• Plastic milk jugs
• Plastic containers #1–#7
• Pizza boxes
• Phone books
• Paper tubes
• Paper
• Newspaper
• Magazines/catalogs
• Laundry bottles
• Junk mail
• Glass cosmetic bottles
• Glass bottles, jars
• Envelopes
• Coupons
• Computer paper
• Clothes hangers
• Cardboard
• Brochures
Education

**Organic Composting Workshops**

Organic waste makes up 30%-40% of the waste stream. Composting kitchen scraps and yard trimmings helps divert material from the landfill as well as waterways and water treatment facilities. Creating your own compost encourages gardening and provides a nutrient-rich source to grow a garden. Burrtec composting workshops are available to the public as well as all ages.

**Vermicomposting Workshops**

Burrtec vermicomposting workshops provide information to the public on how to utilize limited space using worms to break down organic waste. Vermicomposting is the process of composting, utilizing various species of worms. Vermicast is the end product of the break down of organic matter created by the worms. Vermicomposting is ideal for those with limited space.

**Environmental Education Development Presentations**

Burrtec offers in school education to educate students on the importance of recycling and how to recycle through hands on activities and handouts.

**Life Cycle Presentations**

Burrtec's recycling life cycles presents the process from how the material is collected to where it ends up.
The Composting Process

Organic material collected from participating food establishments is taken to one of our facilities where it is mixed with green waste to produce nutrient-rich compost. The complete composting process takes approximately 90-days. The final product can be mixed with existing soil to stimulate healthy plant growth.

Training Restaurant Staff

Once you decide to implement a food waste program in your establishment, Burrtec will assist in training your staff. Burrtec will provide your staff with educational materials regarding the food waste program and specifics on what to do and how to do it.

Food Waste

Participating food establishments can place acceptable food waste materials in “Food Waste Only” bins throughout kitchens and food prep areas. These bins often replace existing trash bins so valuable space is not taken up. Restaurants are required to use biodegradable bags to line food bins that can be recycled along with their food waste.

Biodegradable bags

Burrtec provides participating food establishments with ECO Safe 6400 Biodegradable bags that have been certified by Cedar Grove Composting. Cedar Grove Composting uses technical review and testing to assure that this product is feasible in the commercial composting process.
Communities
In Kind Services

Burrttec gives through corporate sponsorships, donations, and in-kind services throughout all of our communities. Our goal is to enhance our communities by lending our support and services and to promote community revitalization and advance civic gratification.

Freedom Ranch Project - 2011

In January of 2011, Freedom Ranch, home to many rescued animals, was overwhelmed by the aftermath of the severe rainstorms that were brought to Southern California. A giant mudslide left many animals standing in several feet of mud and the owners house taken over by the mud, forcing her to move out of her home. With the help of several Burrttec employees, Freedom Ranch was once again able to return to its once safe haven for rescue animals.
Each Other
Employee Safety

The safety of our employees and the communities we serve is at the core of everything we do. Burrtec understands that there is a direct correlation between health and safety programs, our sincere concern for each other and employee job satisfaction, moral, innovation and teamwork.

Our facilities operate in a manner to protect the health and safety of employees and users. Our facilities Injury and Prevention Program (IIPP) is always available for review by local and state inspectors. Materials that are required for personal safety include gloves, safety glasses/goggles, particle masks and steel toed boots/shoes. Shovels, absorbents and containers are provided for control and containment of spills.

All CAL-OSHA regulations are observed. Safety equipment, including fire protection equipment and protective clothing, is maintained at each facility. Employees in high traffic areas are required to wear personal protective equipment, including hard-hats, eye protection, high-visibility shirts or vests, gloves and protective footwear. All facility personnel are required to complete a program to perform their respective duties in a way that ensures compliance with applicable requirements.
We’ll Take Care Of It
Our values and beliefs drive our culture and priorities and provide a framework in which decisions are made.

Our customers
To be the environmental solutions provider of choice and know more about our customers and how to provide exceptional service.

Our communities
To be a valued and trusted community partner.

Our environment
To be a leader in promoting environmental stewardship and sustainability.

Each other
To be the best place to work where everyone is treated with dignity and respect.