



SOUTH SAN FRANCISCO
SCAVENGER
COMPANY, INC.

SUSTAINABILITY
HIGHLIGHTS REPORT
2016/2017

Mission Statement

“South San Francisco Scavenger Company is committed to providing solid waste management services of the highest quality delivered with pride and professionalism to all our customers, utilizing environmentally sensitive equipment that is safe, efficient, reliable, and appropriate to the work we perform. In carrying out our mission, we intend to provide and maintain the best possible work environment for our employees, fully cooperate with all governing and regulating agencies, and do our part to help create a sense of partnership between our company and the communities we serve.”



Our Goals and Targets

Environmental
Climate Action Planning
Goal 1: Reduce direct and indirect greenhouse gas (GHG) emissions.
Fleets and Fuels
Goal 2: Improve fleet efficiency and lower emissions which have negative air quality and GHG impacts.
Green Building and Facility Energy Use
Goal 3: Promote initiatives to reduce facility-wide energy use and green building initiatives.
Recycling and Resource Management
Goal 4: Promote additional recycling and waste reduction at SSFSC and within local communities.
Environmentally Preferable Purchasing
Goal 5: Reduce the negative environmental and social impacts of products through effective preferable purchasing programs.
Facility Water Use
Goal 6: Reduce overall facility-wide water usage.
Local Economy and Community Support
Socially Responsible Procurement
Goal 7: Promote local and minority owned businesses through procurement.
Employee Engagement
Goal 8: Recognize our employees' commitment to safety, customer service and GHG reduction.
Local Events, Charities and Community Involvement
Goal 9: Contribute to our local communities/service areas by engaging employees and hosting, sponsoring and being active in local events, charities and projects
Commitment to Employee Training, Health and Safety
Goal 10: Ensure all employees are trained adequately for the equipment they are working with and maintain a safe workplace.

Dear Reader,

In 2010, South San Francisco Scavenger Company launched its Sustainability Program. We wanted to make sure that our company and the communities we serve were headed toward meeting the goals and targets listed in the chart to the left. Reducing greenhouse gas (GHG) emissions and promoting additional recycling and waste reduction were top of the list. As a local, family run business, we also aimed to maintain strong ties to the community by hosting, sponsoring and participating in local events, charities, and projects.



We are proud of the many milestones we have reached since 2010 and are pleased to share our most recent accomplishments in this Highlights Report. We hope you will recognize our continued efforts to achieve high rates of landfill diversion by using innovative technology and enhancing our outreach efforts. We also hope you will recognize that we remain a steadfast partner with the communities we serve.

Should you have any questions or feedback regarding our programs and activities, we invite you to drop by our office, contact us via phone at 650.589.4020, or drop us a note via the contact page of our website (www.ssfscavenger.com/contact). We appreciate everyone who participates in our programs and has joined us on the road to sustainability!

Sincerely,

A handwritten signature in blue ink, appearing to read 'D Button'.

Doug Button

President, South San Francisco Scavenger Company

Accomplishments

ANAEROBIC DIGESTER: FOOD TO FUEL

In operation since early 2015, our Biogenic CNG Facility uses a dry anaerobic digestion process to create clean renewable compressed natural gas for our fleet, and a solid byproduct that is turned into compost. The facility allows us to divert 11,200 tons of organic materials (food scraps, food-soiled paper, and yard trimmings) from the landfill each year.



FOOD WASTE PROCESSING UPGRADE

To maximize recovery of food scraps, we continue to process commercial organics and select mixed waste loads. In 2017, we installed a turbo separator to assist. This piece of equipment is effective at depackaging and allows us to separate food scraps from several contaminants. Using the separator, we have improved our food scrap recovery by 50% and the BioCNG fuel output of our anaerobic digesters by 10%.

CARBON NEGATIVE FLEET

Our increasing on-site production of BioCNG has facilitated the expansion of our CNG-powered fleet. In 2016, we added five more vehicles for a total of 32. We also added 19 more CNG fueling stalls for a total of 39. In 2017, we produced enough BioCNG from our anaerobic digestion facility to fuel 10-12 vehicles every day. With an impressively low carbon intensity of $-22.93 \text{ gCO}_2\text{-eq/MJ}$, use of this fuel has dramatically reduced the overall GHG impact of our operations.



SOLAR POWER

We continue to generate power from the solar panels installed on the roof of our transfer station and material recovery facility in 2008. In 2016, we added 188 additional panels to the roof of the Biogenic CNG Facility. Our complete array of solar panels generates a monthly average of 18MWh and allows us to significantly reduce our reliance on the power grid.



ADDITIONAL DIVERSION PROGRAMS

In late 2016, we signed on as active participants in the Bye Bye Mattress program operated by the Mattress Recycling Council. We joined the Carpet America Recovery Effort in early 2017. Thus far, an average of 19 tons of mattresses and box springs, and 6 tons of carpet and padding are recycled monthly.



COMMERCIAL NEWSLETTER

We began distributing a quarterly commercial newsletter in late 2016. Geared toward businesses and multifamily residential properties, the new publication provides information about pertinent waste-related legislation and the programs we have in place to facilitate compliance. Social media and a variety of other publications parrot messages from this newsletter as well as our residential newsletter, allowing us to reach a greater number of customers.



UPDATE TO OUR 4R LEARNING CENTER

Our 4R Learning Center received a significant makeover in 2017. New murals and displays make it even easier for visitors to learn the importance of practicing the 4Rs: reduce, reuse, recycle and rot (compost). We unveiled our updated Learning Center at our Earth Day Celebration which drew dozens of visitors and included a full tour of our facilities.



GREEN BUSINESS CERTIFICATION

We earned our Green Business certification in May of 2016. We did this to show our commitment to conserving resources and preventing pollution, and to encourage others to do the same.

LOCAL EVENTS, CHARITIES AND COMMUNITY INVOLVEMENT

Many of our company partners and employees reside in our service area and all are passionate about giving back to the communities we serve. Every year we participate in food drives, donate to local charities, and actively volunteer with local service organizations. In addition, we maintain the portion of the Bay Trail that borders our property. We were honored to be presented with the Millbrae Community Partner Award for 2016.



Preparing for the Future

California continues to be extremely proactive in its efforts to diminish Green House Gas Emissions. Waste reduction and recycling initiatives are a large part of these efforts. The box below includes just some of the regulations currently affecting our industry and driving our company forward. We will meet the challenges set forth by continuing our exploration of new ideas and technology and by utilizing what works. Our landfill diversion programs will continue to expand as our processing improves, our outreach succeeds, and waste generators jump on board. All the while, we will consistently work to operate efficiently and with our environment in mind.

SUMMARY OF LEGISLATION

SB 32 set a target to reduce greenhouse gas emissions 40% below 1990 levels by 2030.

AB 341, together with **SB 1018**, requires that businesses generating 4 cubic yards or more of solid waste (garbage) per week and multifamily residential complexes of 5 units or more recycle. This regulation became effective on July 1, 2012. AB341 also sets a statewide goal for 75% disposal reduction by 2020.

AB 876 requires that cities and counties demonstrate 15 years of organic waste processing capacity.

AB 1826 phases in the mandatory recycling of commercial organics over time. The term “organics” refers to food scraps, food-soiled paper, yard trimmings, and nonhazardous wood waste. On and after January 1, 2019, this regulation requires that businesses generating 4 cubic yards or more of solid waste (garbage) per week shall arrange for organic waste recycling services.

SB 1383 establishes targets to achieve a 50% reduction in disposed organic waste by 2020 and 75% reduction by 2025. This regulation supports the 75% disposal reduction goal for 2020 set by AB 341; it also strengthens the implementation of mandatory commercial organics recycling established in AB 1826.

CalGreen is California’s Green Building Code. Effective January 1, 2017, it requires newly constructed buildings and demolitions projects, non-residential additions and alterations, and certain residential additions and alterations to divert at least 65% of the waste materials generated by the project.

Thank You

This report was developed by a team of people committed to ensuring that South San Francisco Scavenger Company is an integral part of the sustainable future of San Mateo County and the cities we serve. We look forward to building on what we have started and to compiling future reports. In 2018, we plan to publish a full Sustainability Report with an updated list of goals and targets. Please look for it as well as for previous reports and more information on our company and programs at www.ssfscavenger.com.

Thank you for reading and being a part of our Sustainability Program!



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