



The Climate Registry Sustainability Reports



Edgar & Associates, Inc. (EA) is an environmental engineering firm and lobbying firm based in Sacramento specializing in solid waste management, recycling, composting, and renewable energy issues. Coupled with Total Compliance Management (TCM), a sister engineering firm, both companies act as technical advisors and consultants to companies involved with all aspects of materials management services including collection, hauling, processing, recycling, composting, and landfilling. Edgar & Associates, Inc. also prepares Master Plans for Biogenic Energy Parks by incorporating anaerobic digestion, biomass gasification, carbon negative fueling facilities, and covered compost operations to complement existing material recovery and transfer station operations, in order for operations to reduce their greenhouse gases emissions towards carbon neutral operations.

Greenhouse Gas Emissions and Sustainability Reporting

EA and TCM specialize in assisting companies create effective sustainability programs which incorporate financial business goals, developing on-site renewable energy projects, with long-term strategy and strong environmental and social goals. Specific project work includes benchmarking against peers/competitors, strategic goal setting, stakeholder engagement, metric data collection and general support to clients throughout the process. EA and TCM recognize that a successful greenhouse gas emission inventory should pass third-party verification with minimal struggle. Key aspects of verifiable emissions inventories include a clear understanding of a clients industry, detailed documentation and record-keeping, and creation of an Inventory Management Plan to record calculations and assumptions. We incorporate this information into the development of the local Climate Action Plan, where our clients can demonstrate a verified GHG inventory reduction of over 15% by 2010, where the local Climate Action Plans are seeking a 15% GHG reduction by 2020. EA and TCM has been successfully completed third-party verification for 10 companies spanning 42 years of greenhouse gas inventories that are included in the table below:

Client	Registry	Emission Years Verified
Agromin	CCAR/TCR	2006-2010
California Waste Recovery Systems	TCR	2010-2011
GreenWaste Recovery	TCR	2008-2011
Harrison Industries	TCR	2008-2011
MarBorg Hauling	TCR	2007-2011
Marin Sanitary Services	CCAR/TCR	2006-2011
Rainbow Disposal	CCAR/TCR	2007-2011
South San Francisco Scavenger Company	TCR	2006-2011
Specialty Solid Waste and Recycling	TCR	2002-2011
Zanker Road Resource Management	TCR	2007-2011

Edgar & Associates and Total Compliance Management

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Calculating Avoided Emissions from Recycling

Our companies specialize in calculating the importance of recycling, composting and reducing the number of materials sent to landfill, in terms of GHG emissions. As State and Local Jurisdictions begin to pursue zero waste, we understand that this also provides a huge benefit to Climate Action Planning and reaching GHG reduction goals. We have developed best practices, using the Environmental Protection Agency (EPA's) Waste Reduction Model (WARM) and California specific data, where appropriate, published by the California Air Resources Board (CARB). We also use the most recent publications from CARB to model how creating and utilizing compost benefits lifecycle GHG emission from agriculture. Most importantly, our calculations do not provide benefit in terms of carbon sequestration to putting organics in landfills, since our communities and clients desire zero waste to landfill. Our GHG modeling has shown that the typical Material Recovery Facility with a collection company avoids 15 to 20 times more GHGs from recycling, than the GHGs it takes to collect and process the recyclables and garbage.

Sustainability Reporting

Companies that have prioritized materials management and GHG reporting have also benefited in tracking and reporting other environmental impact categories. We have helped several of our clients expand their sustainability initiatives and goals through our extensive resources and expertise. Understanding, reporting and achieving sustainability is a process that can be approached from the top down driven by corporate leadership and from the bottom up by measuring and managing your inputs, outputs and supply chain. It is also scalable, since full reporting may not be appropriate for all companies.

We build upon a solid understanding of the company, and a vision of their future goals; where the sustainability report could be focused on corporate social responsibility, or environmental responsibility, or both, developing Full Sustainability Report issued to the customers and the City. Our focus is data capture, analysis, writing and goal setting with the expectation that a graphic designer chosen by you will be used to publish the report.

Below are some examples of Sustainability Reports we have completed:

- South San Francisco Scavenger- www.ssfscavenger.com
- Rainbow Environmental Services- www.rainbowdisposal.com
- GreenWaste Recovery - www.greenwaste.com
- Zanker Road Resources - www.zankerrecycling.com
- MarBorg Industries - www.marborg.com
- Marin Sanitary Services *in progress*- www.marinsanitary.com
- Agromin *in progress*- www.agromin.com
- Harrison Industries *in progress*- www.ejharrison.com

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