



THE LIMTIACO CONSULTING GROUP
CIVIL ENGINEERING AND ENVIRONMENTAL CONSULTANTS



Company Background:

The Limtiaco Consulting Group, Inc. (TLCG) is the consulting entity established by Mr. Felix B. Limtiaco, a former Director of the Department of Wastewater Management of the City and County of Honolulu. Now in its seventeenth year of operations, TLCG has grown to include an outstanding blend of complementing civil and environmental engineers, water resource planners (including wastewater reuse), environmental planners, certified construction managers, certified wastewater treatment plant operators, GIS analysts, and CAD/graphic artists. The company is powered by eleven licensed civil engineering registered in the State of Hawaii, including five engineers who are LEED Accredited for New Construction by the Green Building Certification Institute. The company's clientele include State, County and Federal agencies, private-sector developers; privately owned utilities, architects; and other consulting firms.

Sustainability:

Following TLCG's relocation to its new office at 1622 Kananui Street in December 2013, TLCG has committed to several sustainability and environmental efforts in order to operate its business in a more efficient and effective manner.

Recycling and Waste Reduction:

- Nearly all furniture and appliance requirements for the new office were obtained second-hand.
- Scrap material was repurposed and reused in the construction of the new office.
- Office utilizes EnergySTAR Xerox ColorQube 9300 series printer, certified to have 30% bio-derived renewable material content, utilizing solid ink sticks that generate 90% less printing waste versus comparable printer ink cartridges.
- Unwanted furniture, supplies, electronics and scrap materials are donated annually to various non-profit organizations throughout the island.

Energy Conservation:

- Installation of a photovoltaic system on the rooftop of the building will commence in June 2014 (permit pending) and is projected to knock the electricity bill down to zero.
- A Level 3 Independent Energy audit was performed that included a basic walk-through assessment and utility bill analysis, recommendations for improvement and a financial and savings analysis.
- All lighting ballasts and bulbs were upgraded for optimum energy efficiency.

- A 40-foot wide window shade and low-emissivity window film was installed to mitigate the effects of direct sunlight on sun-exposed windows and lessen the load on the air conditioning unit.

Water Conservation:

- Water consumption is tracked and monitored monthly using the EnergySTAR Portfolio Manager.
- There is signage in place throughout the office in order to encourage water conservation.
- There are no irrigation measures necessary onsite because there is no landscaping on the property, minimizing water consumption and aiding in efforts to conserve water.

Pollution Prevention:

- Telecommuting opportunities and flexible schedules are offered to reduce commutes.
- A policy is enforced to carefully plan trips in order to minimize miles driven and minimize single stop trips, deliveries and errands.
- Showers are available for employees who walk, jog or bicycle to work.

