

Clean Energy

CalMet Services, Inc.

CNG Fueling Station

Final Report

Contract #: MS08070
7202 Peterson Lane
Paramount, CA 90723

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Newport Beach, CA 92660
(949) 437-1000
www.CleanEnergyFuels.com



Acknowledgements

Clean Energy thanks the Mobile Source Air Pollution Reduction Review Committee (MSRC) for their efforts that made this project possible.

This report was submitted in fulfillment of MSRC Contract# MS08070, CalMet Services, Inc. CNG Station under the partial sponsorship of the Mobile Source Air Pollution Reduction Review Committee (MSRC). Work was completed as of February 2009.

Disclaimer

The statement and conclusions in this report are those of the contractor and not necessarily those of the Mobile Source Air Pollution Reduction Review Committee (MSRC) or the South Coast Air Quality Management District (SCAQMD). The mention of commercial products, their sources or their uses in connection with material reported is not to be constructed as either an actual or implied endorsement of such products.

Project Description

This contract provided \$400,000 in funding to offset the costs of constructing and building a public access CNG fueling station at 7202 Peterson Lane, Paramount, CA. Clean Energy provided the remaining capital for this purchase, a total of \$1,056,078. With the funding assistance from the Mobile Source Air Pollution Reduction Review Committee (MSRC), Clean Energy was able to develop an additional fueling infrastructure for the fleets in the South Coast Air Quality Management District (SCAQMD).

Clean Energy entered into an agreement to construct and operate a CNG station at 7202 Peterson Lane, Paramount, CA. The station allowed CalMet to phase in 25 new CNG waste collection trucks. This station is located on the property of CalMet Services Inc. at 7202 Peterson Lane, Paramount, CA. The site includes one (1) Compressor, and one (1) storage tank and twenty-five (25) time-fill post capable of fueling 25 refuse trucks simultaneous, which dispense 265,082 GGE annually.

Clean Energy brings extensive experience in developing CNG infrastructure. Clean Energy is the only CNG station designer, builder and operator that manufacture our own equipment. Clean Energy prides itself on the knowledge that its customers have never missed a roll-out of their fleets. Our operations and maintenance technicians are all industry experts in their fields and are on-call 24-hours-a-day, 7-days-a-week.

Work Performed

Station construction started in October 2008 following approval of all site plans and acquisition of all necessary permits. Construction ran smoothly and concluded on February 2, 2009.

Task 1: Preliminary Documentation

CONTRACTOR shall submit a report (Pricing Report) demonstrating how the MSRC/AQMD's funding contribution will reduce the price that end users pay for CNG fuel on a DEG basis.

The Pricing Report was submitted on January 8, 2010. The pricing report demonstrates how the MSRC's funding contribution reduced the price that end users pay for retain CNG.

CONTRACTOR shall provide AQMD with copies of any subcontractor agreement(s) for fueling station construction prior to proceeding with project.

Clean Energy entered into a contract with HGR Mechanical for the construction of this facility; a copy of the contract was provided to the MSRC for consideration in December 2008.

Task 2: Construct and Operate CNG Fueling Station

CONTRACTOR shall install and maintain a new private access CNG fueling station at the CONTRACTOR'S site located at 7202 Peterson Lane Paramount, California, as specified in Attachment 1, CNG Fueling Station Specifications. All equipment must be new and not previously used.

CONTRACTOR shall operate this station at the specified location for a minimum of ten years from the date the station begins dispensing fuel. Beginning in the third year with the third year of station operation, CONTRACTOR shall dispense a minimum of 200,000 DEG of natural gas annually.

To meet the needs of the CalMet Service, Inc., Clean Energy designed and constructed a CNG station that includes (1) compressor, one storage capacity for fast filling vehicles, and twenty-five time-fill post capable of fueling vehicles simultaneously. The station is designed for 24-hours- per-day, unlimited public access use. The facility was completed and began dispensing fuel in December 2008. Beginning the 3rd year of operation, the station dispensed well over its 200,000 DEG requirement of CNG.

Task 3: Promotion

CONTRACTOR shall prepare and submit a proposed Public Outreach Plan to promote the MSRC's co-funding of the station to the media and/or community. Acceptable outreach may include, but not limited to, a Grand Opening/project kickoff event, press releases, or a press conference; The Public Outreach Plan shall automatically be deemed approved 30 days following receipt by AQMD staff, unless AQMD staff notify CONTRACTOR in writing of a Public Outreach Plan deficiency. CONTRACTOR shall implement the approved Public Outreach Plan in accordance with the Project Schedule below, notifying AQMD staff at least fourteen days prior to any outreach event.

CalMet published advertising in Hews Media Group Community News in November 2014 announcing the award by the MSRC to partially fund Natural Gas Fueling Station. With the help of the MSRC CalMet was able to add new station infrastructure development to the Southern California Network. See news release attached.

PROBLEMS ENCOUNTERED

Clean Energy did not encounter any problems relative to the design or construction of this project. We have designed numerous facilities of similar size and scope, the lessons learned on these projects have enabled us to design and build facilities more efficiently. The Clean Energy project team has many years of experience in the natural gas industry.

EMISSIONS BENEFITS

This project significantly reduced toxic air emissions while promoting the environmental improvement, domestic fuel savings, and economic opportunity stimulus goals of this funding program. Natural gas is the cleanest choice of fuel available today for this market. Natural gas powered vehicles produce up to 29% fewer greenhouse gas emissions^[1] than comparable gasoline models^[2]. The project dramatically reduced on-road transportation emissions which are key contributors to poor air quality throughout California, South Coast and Paramount.

SUMMARY AND CONCLUSIONS

Clean Energy appreciates the support that has been provided by the Mobile Source Air Pollution Review Committee and South Coast Air Quality Management District for alternative fuel projects in the South Coast Air Basin. We suggest the continued support for funding projects that increase natural gas infrastructure, provide buy-downs for clean-fueled natural gas vehicles and fund technology advancement.

^[1] "Detailed California-Modified GREET Pathway for Compressed Natural Gas (CNG) from North American Natural Gas" California Air Resources Board, January 12, 2009.

^[2] "Detailed California-Modified GREET Pathway for Ultra Low Sulfur Diesel (USLD) from average Crude Refined In California" California Air Resources Board, January 12, 2009.

PHOTOGRAPHS/OUTREACH







Bo's Cigar Lounge Opens in Bellflower

By Tammye McDuff

The City of Bellflower is proud to welcome a unique addition to the Downtown Bellflower business community as Bo's Cigar Lounge celebrated the official Grand Opening on Thursday, November 20, 2014. The program included refreshments, hors d'oeuvres, and a ribbon cutting ceremony.

Owners Bo Moussat and Clayton Olivier chose to partner with the City of Bellflower based on the market trade area, and more notably, both owners and the City of Bellflower shared the same vision of a revitalizing Downtown corridor. This is the third location for Bo's Cigar who offers an extensive selection of over 100 premium cigars, tea beers on tap, 21 different bottled beers, and over 14 varieties of wine. Customers receive complimentary coffee, sodas or water while in the store. Bo's has been known to hand out cigars, Moussat says, "I don't believe in pressuring customers. It's not about the sale, it's about service."

The new lounge is three times larger than the Long Beach location. Furnished with comfortable oversized chairs, custom



décor and twelve big screen TVs is sure to become a favorite local establishment.

Bo's walk-in humidor is regulated by state-of-the-art equipment which auto-corrects and notifies staff when the temperature and humidity fluctuate, keeping cigar storage at desirable freshness.

Bo's Cigar Lounges offer Cigar Lockers in sizes, Small (approx. 2.5 cu.ft) and Large (approx. 4.5 cu.ft), for annual lease. Each locker is climate controlled by the same system that keeps the cigars fresh in the big humidor and clients receive a brass plaque on their locker. Locker membership includes exclusive use of the Private Back Room at Bo's Torrance; 10% off sale price after meeting your monthly minimum and Monthly "Members Only" specials.

Some at Bo's have become such trust-

ed friends that they often assist behind the counter and run the shop in Bo's absence". Moussat recalls that during a recent hospital stay, customers visited him, took the store keys and opened and closed the store in his absence. "My customers take better care of the store than I do!"

Bo participates in many local events including the St. Patrick's 5th Annual Jameson Open Golf Tournament, held at Lakewood Country Club, with profits going to assist the Catholic Baseball League. Recently, Bo received a surprising announcement learning that customers had nominated the store for the MYFOXLA (Channel 11 News) Hotlist search for the best cigar lounge in the metropolitan Los Angeles area.

FAST RESPONSE SAVES PARAMOUNT RESIDENT'S LIFE

By Brian Hews

Paramount resident Alfredo Cuadros knew something was wrong.

On Nov. 6, Alfredo was out mowing the lawn when his right arm went numb and he started to feel nauseous. Alfredo had suffered from occasional seizures, but none of the seizures felt like this.

So he called out to his son-in-law Eliott Alvarez, who happened to be home at the time recuperating from a broken knee, for help.

Alvarez had been through some of Cuadros' seizures, but none of them looked like this. He could see Cuadros' right side was not moving, so he immediately called 911.

The paramedics arrived and recognized that Cuadros had what is called an ischemic stroke. An ischemic stroke (clot) occurs as a result of an obstruction within a blood vessel supplying blood to the brain. 85% of the strokes that occur today are ischemic.

Cuadros was almost completely paralyzed because of the stroke; he could not

move or speak.

Cyrus Osena, RN, BSN, MSNc, is the Stroke Coordinator at Lakewood Regional Medical Center. The stroke program at the center is designed to quickly assess and treat patients, and when it comes to treatment of a stroke, every second counts.

Lakewood Regional Medical Center also uses tissue plasminogen activator, tPA, which is heralded as the "gold standard" for treatment of strokes.

Osena's training and the experience of doctors and staff at Lakewood Regional Medical Center would prove life-saving to Cuadros.

Back at the house, the paramedics were further evaluating Cuadros. All paramedics are required to call a registered nurse for evaluation of their patient. They advised the RN that he had all the symptoms of a major ischemic stroke.

During the evaluation, the paramedics learned that Cuadros was registered at Kaiser. Knowing that Lakewood Regional Medical Center had the most advanced stroke treatment center in the area, the paramedics insisted on taking Cuadros to the Center.

They got their way and Cuadros, along with his wife Yolanda Cuadros and their daughter Veronica was sent to Lakewood Regional Medical Center where Osena, the doctors and staff were waiting.

Osena noted that, "Cuadros came in

with severe aphasia (can't communicate), right facial droop, and right side paralysis."

They took the necessary scans and confirmed the diagnosis.

Osena then sat with a teary-eyed Ms. Cuadros and her daughter and learned about tissue plasminogen activator.

Tissue plasminogen activator, is the only FDA approved treatment for ischemic strokes. Tissue plasminogen activator works by dissolving the clot and improving blood flow to the part of the brain being deprived of blood flow. If administered within 3 hours, tissue plasminogen activator can drastically improve the chances of recovering from a stroke.

A compassionate Osena told them that one possible side-effect, which has occurred in only 3% of patients who took tissue plasminogen activator, was death due to bleeding of the brain. He also told them that if Cuadros was left alone, he would be paralyzed and bed-ridden for life.

The Cuadros' were obviously worried about the side-effects but at the same time did not want to see Alfredo paralyzed.

Osena called on the doctors and neurologist who both recommended tissue plasminogen activator to be given to Cuadros immediately. Yolanda gave her consent.

"The way they explained the pros and

See STROKE page 14.

Catherine
Grant Wieder

Attorney &
Mediator

Probate,
Wills & Trusts
Conservatorship,
Guardianship,
Dispute
Mediation

562-
404-4039



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- We Are A Compounding Pharmacy
- Ask About Our Weight Loss Program



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NEW "GREEN" FLEET

CalMet's fleet now runs on Clean Natural Gas (CNG), which was funded in part by the Mobile Source Air Pollution Reduction Review Committee (MSRC).