



COMPRESSED NATURAL GAS PROGRAM FOR



AUGUST 5, 2015



Our Presentation Team







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Dir Market Development

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Naldo Gonzalez VP, South Florida



Ray Gonzalez

President & CEO



Guillermo "Willy" Fernandez President

Local DBE Firms

G-T Construction
Ralph Garcia-Toledo
EBS Engineering
Benjamin S. Essien
MCO Construction
Ann McNeill

Technical Criteria







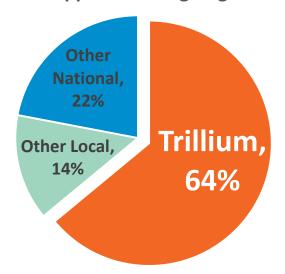


Experience and Qualifications Making CNG Work for You





CNG Suppliers to Large Agencies



Rank	Agency	Gallons (millions)	Bus Fleet	TCNG Facilities
14	Miami Dade County	10.3	818	3
1	NYC Transit	54	5,717	6
4	WMATA	16	1,500	2
5	MBTA	18	1,055	3
18	San Diego	7.4	643	4
28	OCTA	8	553	3

New York City (NYCT)





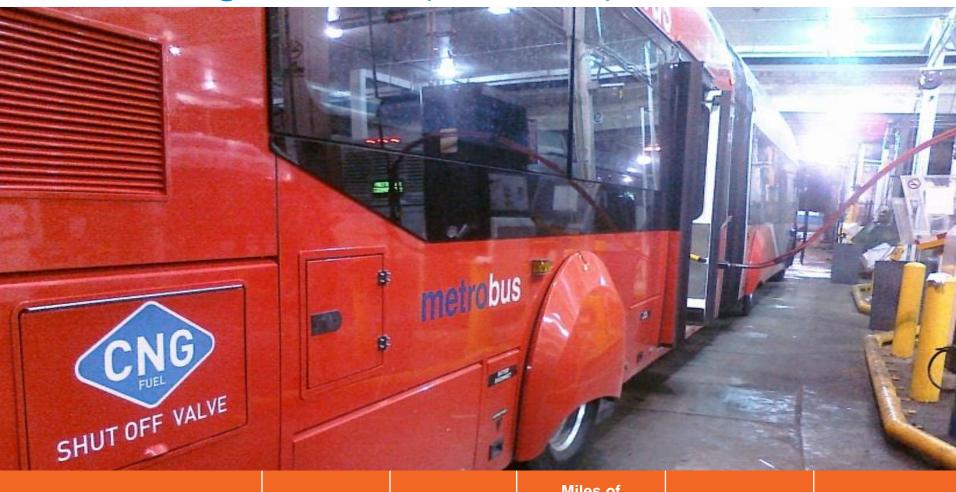


Agency	Bus Fleet Size	CNG Fleet Size	Miles of Operation (millions)	Gallons of Fuel Use (millions)	Number of Facilities
New York City Transit-MTA Bus	5,717	800	121	54 (8.5 CNG)	6

Washington, DC (WMATA)







Agency	Bus Fleet Size	CNG Fleet Size	Miles of Operation (millions)	Gallons of Fuel Use (millions)	Number of Facilities
Washington Metropolitan Area Transit Authority	1,500	460	40	16 (6.3 CNG)	2

Boston, MA (MBTA)







Agency	Bus Fleet Size	CNG Fleet Size	Operation (millions)	Gallons of Fuel Use (millions)	Number of Facilities
Massachusetts Bay Transportation Authority	1,055	360	26	18 (4.1 CNG)	3

San Diego, CA (MTS)







Agency	Bus Fleet Size	CNG Fleet Size	Miles of Operation (millions)	Gallons of Fuel Use (millions)	Number of Facilities
San Diego MTS	643	515	21	7.4 (6.6 CNG)	4

Orange County, CA (OCTA)







Agency	Bus Fleet Size	CNG Fleet Size	Miles of Operation (millions)	Gallons of Fuel Use (millions)	Number of Facilities
Orange County Transportation Authority	553	337	33	8.0 (4.3 CNG)	3

Technical Criteria





2. Proposer's approach to providing the Program requested in the solicitation, including safety considerations and plan to market the fuel for revenue generating activities



Meeting Your Program Goals







Design, Build, Finance, Operate and Maintain CNG Stations



Upgrade County maintenance facilities and fuel stations to provide CNG



Purchase and/or lease CNG powered buses



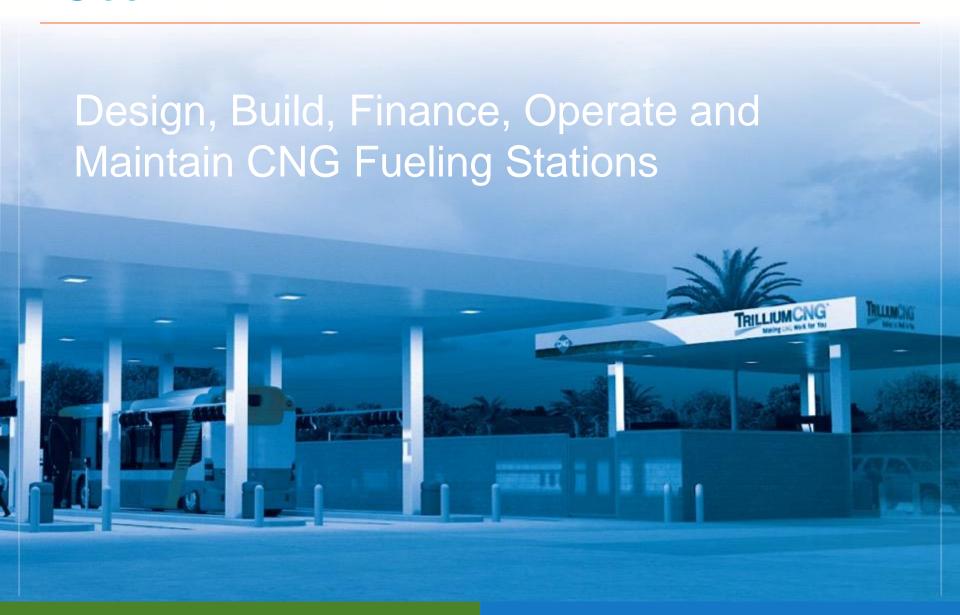
Supply CNG for County fleet vehicles

Generate revenue through the sale of CNG to third parties

Goal 1



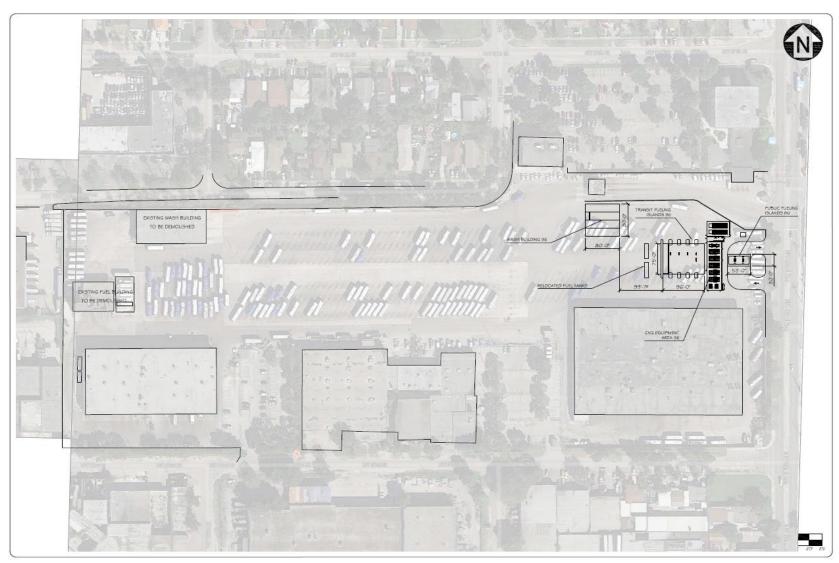




MDT-Central











MDT - CENTRAL 3431 NW 31ST STREET MIAMI, FL 33142

DRAWN BY C. CDGGHB
DRAWN DATE: 2014-06-18
CHECKED BY: J. BARBER

ROUNCY NAME

FL MIAMI CENTRAL DIVISION CNG FUELING STATION

LOCATION 2 BASE PLOT PLAN



Fueling Solutions





CNG Station Design

Station Construction

Operation & Maintenance

FUELING

Average	Siza
Average	

Compressors

Flow Rate

Fueling Lanes

Base Solution

100 DGE

600 HP motors, 5 total

8800 scfm = 65 DGE/ minute

4 CNG dispensers
Gasoline and diesel in one lane
New Vacuums

✓ Fully Compliant \$12,400,000

Alternate Solution

65 DGE

275 HP motors, 6 total 1 Ultra-HyC compressor

4650 scfm = 35 DGE/ minute 2500 scfm from Ultra Hy-C

4 CNG dispensers
Gasoline and diesel in one lane
New Vacuums

✓ Space and Money Saving \$10,300,000

Space and Money Saving Solution



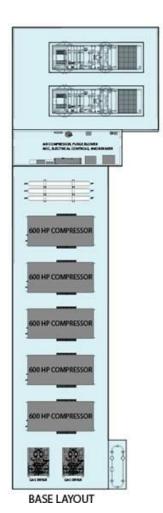


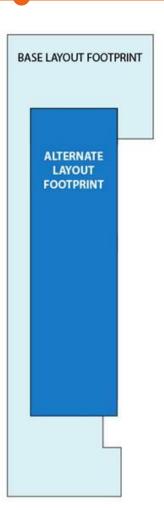
CNG Station Design

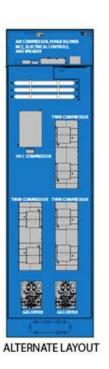
Station Construction

Operation & Maintenance











\$2.1 million savings

Smaller footprint by 3100 square feet

Construction Phase





CNG Station Design

Station Construction

Operation & Maintenance





- Trillium will manage construction
- 18 week schedule
- Zero DART safety rating

Local Involvement





CNG Station Design

Station Construction

Operation & Maintenance



- Link Construction
 - 14 Years
 - Solid reputation
 - 20+ public sector projects
- Consistently exceed DBE goals
 - A promise made, a promise kept!

RFP Goal	15%
Trillium Proposal	17%



Key Operating Metrics





CNG Station Design

Station Construction

Operation & Maintenance



- Trillium Operates 100+ Stations Nationwide -
 - Comprehensive Program -



Thousands of buses each night



~55,000,000 gallons sold annually



100% reliability in transit

Operate and Maintain





CNG Station Design

Station Construction

Operation & Maintenance

FUELING

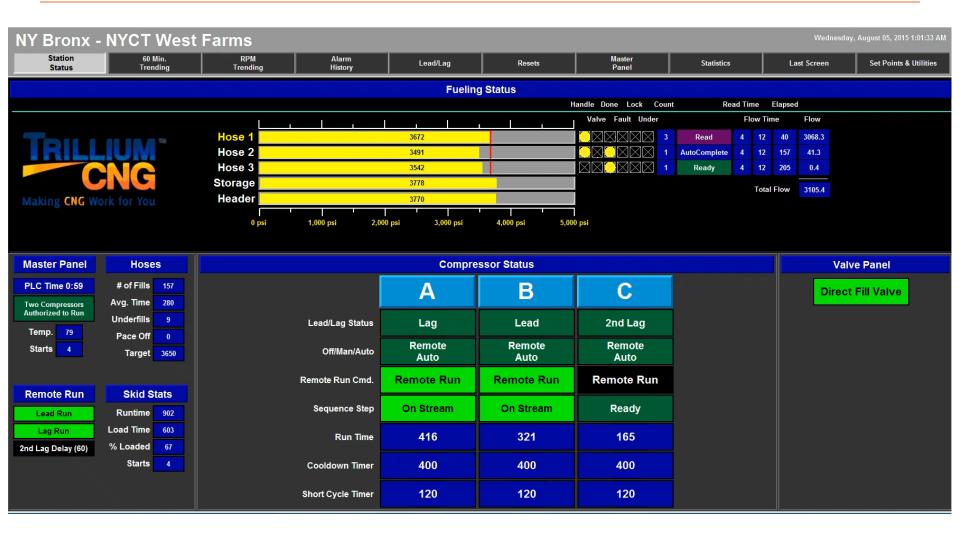
SMART controls

- Allows viewing of station anywhere
- Provides key operating metrics
- Demonstrated to operate 20-30% more efficiently
 - Saves energy costs
 - Saves labor costs

Fueling NYCT



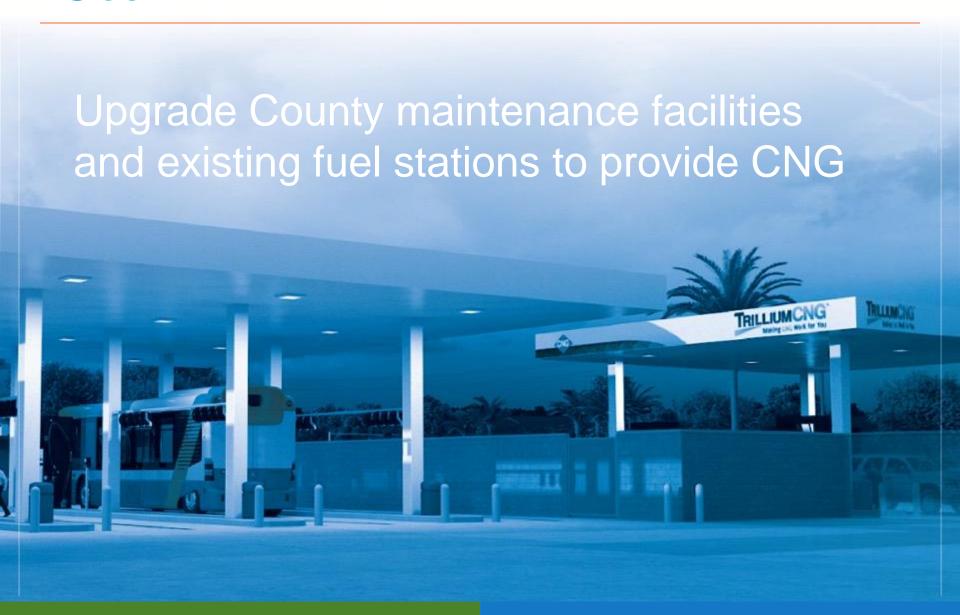


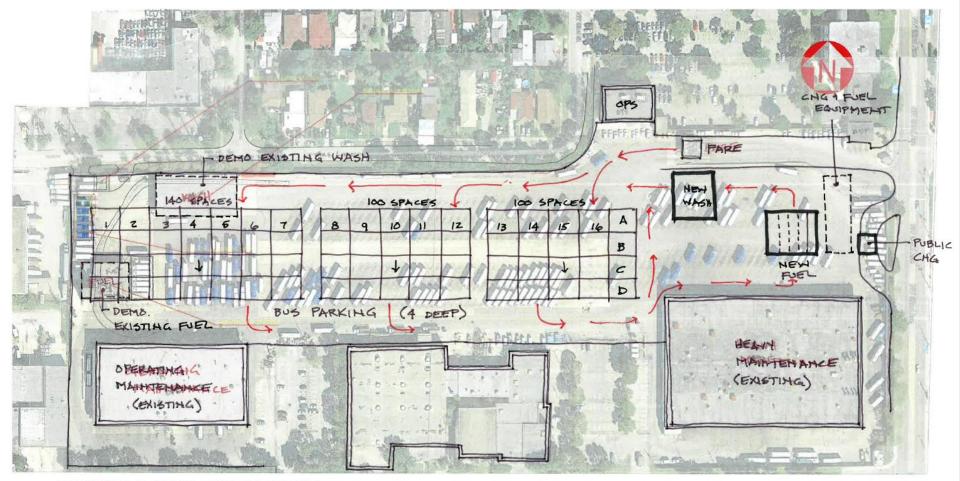


Goal 2









PROPOSED CENTRAL DIVISION LAYOUT

340 BUSES*

IF EXISTING FUEL FACILITY REMAINS FOR DIESEL & GASOLINE FUELING, BUS PARKING WILL BE REDUCED BY 40 BUSES

ADVANTAGES

- MORE PARKING (UP TO 340 TOTAL)
- + LESS TRAVEL ON-SITE
- + NO BACKING
- + EASY WORKAROUND DURING CONSTRUCTION (MINIMIZES DISRUPTION OF OPERATIONS)

- + FUEL DISPENSING CLOSE TO FUEL EQUIPMENT
- SAFER CONFIGURATION / TRAFFIC FLOW
- + ONE-WAY TRAFFIC FLOW

Safety and Savings





Estimated operating savings are over \$750,000/year, with more efficient traffic flow.

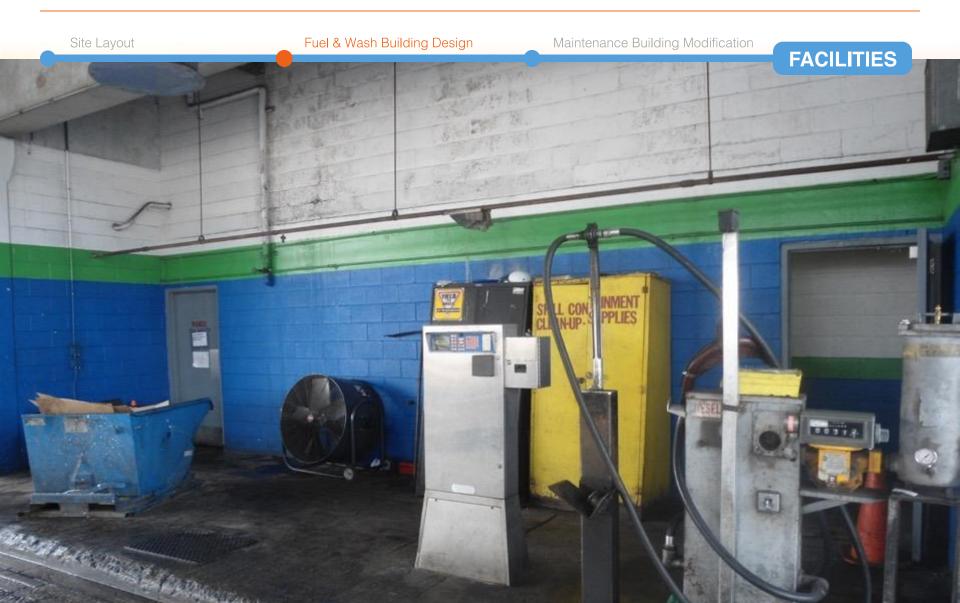
Key features of Proposed Layouts:

- Safe and Efficient Configuration
- One-Way Traffic Flow
- Easy workaround during construction
- Dispensing close to compression equipment

Existing Fueling Lanes



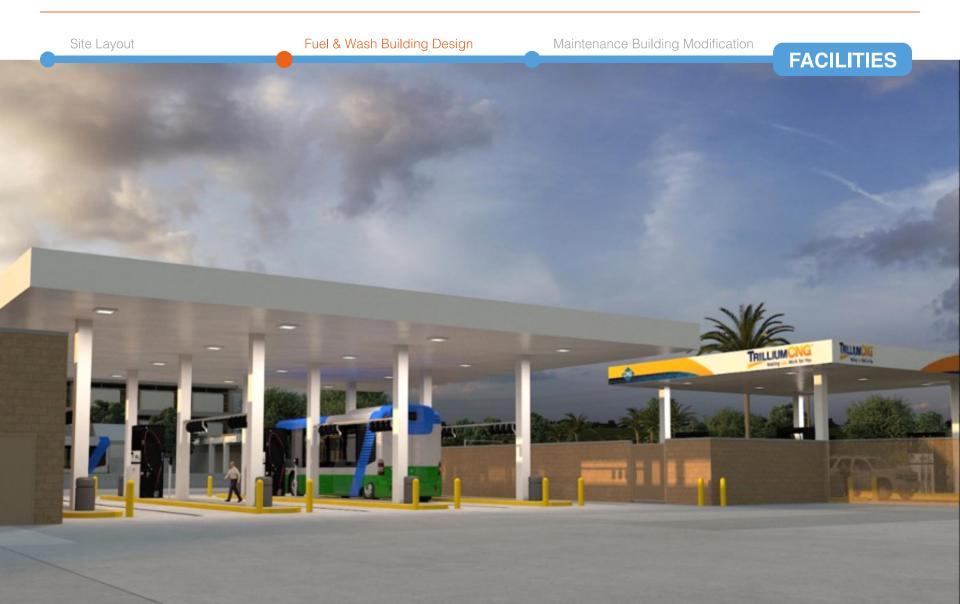




New Fueling Lanes



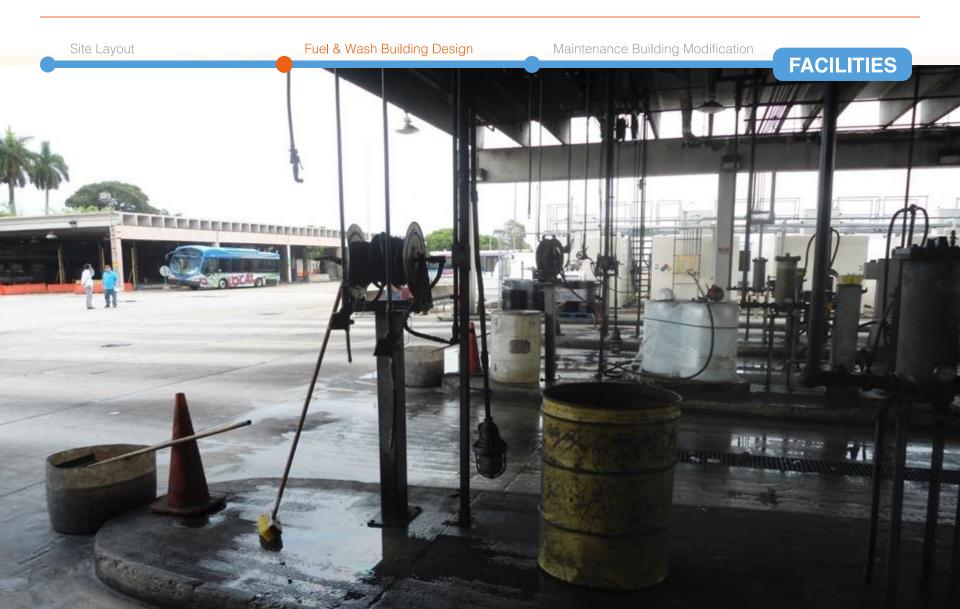




Need for New Bus Wash







Optional Improvements





Site Layout

Fuel & Wash Building Design

Maintenance Building Modification

FACILITIES

Bus Wash option

- Improve Fleet Appearance
- Reduce Service Time
- Improve Safety
- Simplify Work-Around

Safe Working Environments





Site Layout

Fuel & Wash Building Design

Maintenance Building Modification

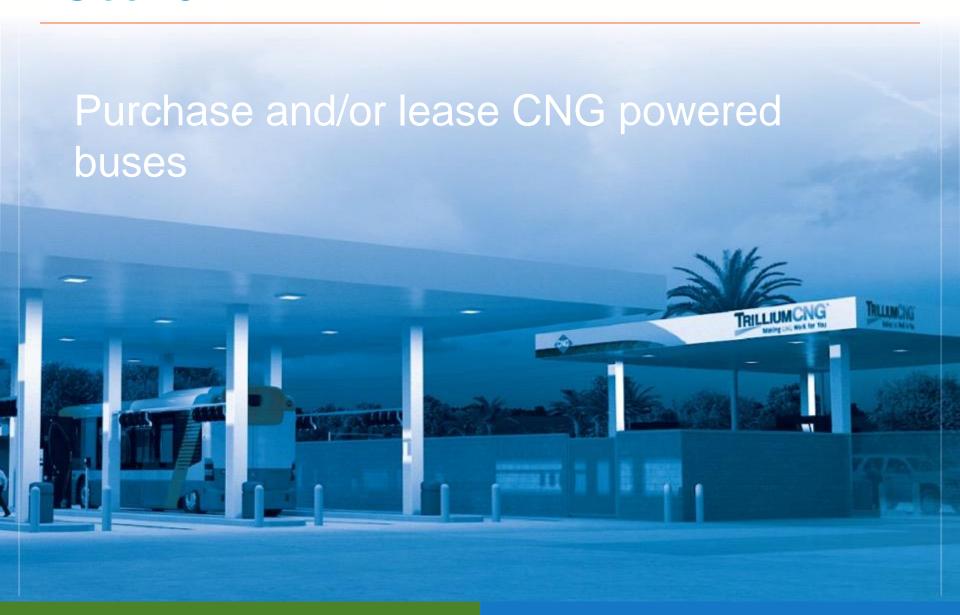


- Approach
 - Understanding Gas Characteristics
 - Based on site visits and extensive experience
- Maintenance Facility Modifications
 - Ventilation
 - Gas Detection
 - Eliminate Potential Ignition Sources

Goal 3







Qualified Vendors





Bus Manufacturing

Delivery and Acceptance



Gillig and New Flyer are proposed bus suppliers, due to qualifications and capabilities



Bus Manufacturers Quals





Requirement	Gillig	New Flyer
Buy America	✓	✓
Altoona Testing	✓	✓
DBE Certification	✓	✓
Cargo Preference	\checkmark	\checkmark
Fly America	\checkmark	√
AA / EEO Programs	✓	✓
Crashworthiness Test	✓	✓
Cummins IQA	✓	✓
Air Conditioning pull-down test	✓	✓

FTA Compliance





- FTA has a list of approved Transit Vehicle Manufacturers
 - 45 companies approved for bus and rail vehicles
 - Have demonstrated compliance with FTA DBE requirements
 - Gillig and New Flyer are on this list

TVMs Eligible to Bid on Federally Funded Transit Agency Contracts in Federal Fiscal Year 2015v

The chart below identifies the transit vehicle manufacturers that have obtained 49 CFR § 26.49 certification, each transit vehicle manufacturer's address, and their current DBE goal. All TVMs listed are eligible to bid on federally funded transit procurements.

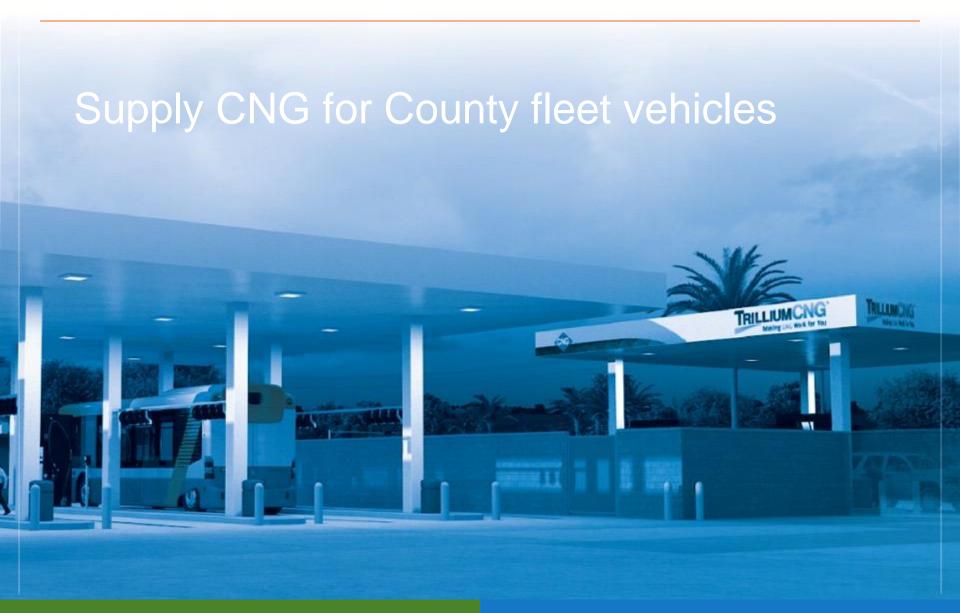
This chart will be periodically updated as other TVMs become certified.

#	Transit Vehicle Manufacturer	Address	City	State / Country / Territory	DBE Goal %	DBE Liaison Officer (DBELO)	DBELO Email
					Elhart: .40%		
18	Forest River: Elkhart, Glaval, Starcraft	914 County Road 1	Elkhart	IN	Glaval : .55%	Joe Goeglein	jgoeglein@forestriverinc.com
					Starcraft: .60%		
19	Gillig, LLC	25800 Clawiter Road	Hayward	CA	2.25%	Chris Turner	chris.turner@gillig.com
20	Goshen Coach, Inc.	25161 Leer Drive	Elkhart	IN	0.37%	Mike Person	mperson@panelsolutions.biz
21	Hometown Trolley/Double K, Inc.	701 North Railroad Avenue	Crandon	WI	3.00%	Talia Walerko	talia@hometowntrolley.com
22	Hyundai Rotem USA Corporation	2400 Weccacoe Avenue	Philadelphia	PA	5.00%	Andy Hyer	andy.hyer@rotemusa.com
23	Inekon Group	350 SE 2nd Street, Suite 730	Fort Lauderdale	FL	2.79%	Milo Srkal	msrkal@inekon.cz
24	Kawasaki Rail Car, Inc.	29 Wells Avenue, Building #4	Yonkers	NY	9.82%	Shozo Ito	ito@kawasakirailcar.com
25	Kinkisharyo International, LLC	400 Blue Hill Drive	Westwood	MA	5.00%	Lyndie Avery	averyl@killc.com
26	Lone Star	12953 Hwy 64 West	Tyler	TX	15.00%	Norma Niderhofer	norma@lshvans.com
27	Mitsubishi Heavy Industries America, Inc.	630 Fifth Avenue, Suite 2650	New York	NY	2.00%	Michael Ang	michael_ang@mhiahq.com
28	Mobility Transportation Services	42000 Koppernick Road, #A3	Canton	MI	2.02%	Dave Brown	dave@mobilitytrans.com
29	Mobility Ventures (MV-1)	12200 Hubbard St.	Livonia	MI	1.99%	Kirk Alston	kirk.alston@mv-1.us
30	Motive Power, Inc. (A Webtec Company)	4600 Apple Street	Boise	ID	4.00%	Zach Maulik	zmaulik@wabtec.com
31	Motor Coach Industries	1700 E. Gulf Road	Schaumburg	II	11.18%	Shannon Davis	shannon.davidson@mcicoach.com
32	National Van Builders, Inc.	80 Pine Street	Attleboro	MA	2.50%	Glen Perlman	glen@nationalvans.com
33	New Flyer Industries, Inc.	711 Kernaghan Ave.	Winnipeg	Manitoba	3.93%	Raul Ramirez	raul_ramirez@newflyer.com
34	Nova Bus (a Division of Prevost Car, Inc.)	260 Banker Road	Plattsburgh	NY	5.00%	Michelle Sahai	michelle.sahai@volvo.com

Goal 4







Synergy Across Agencies





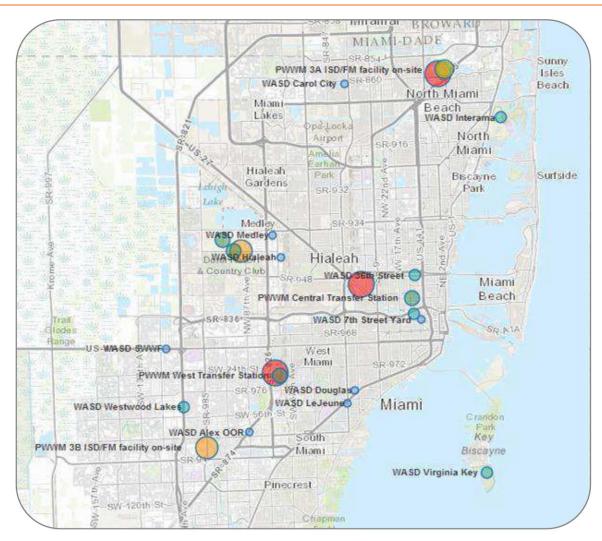
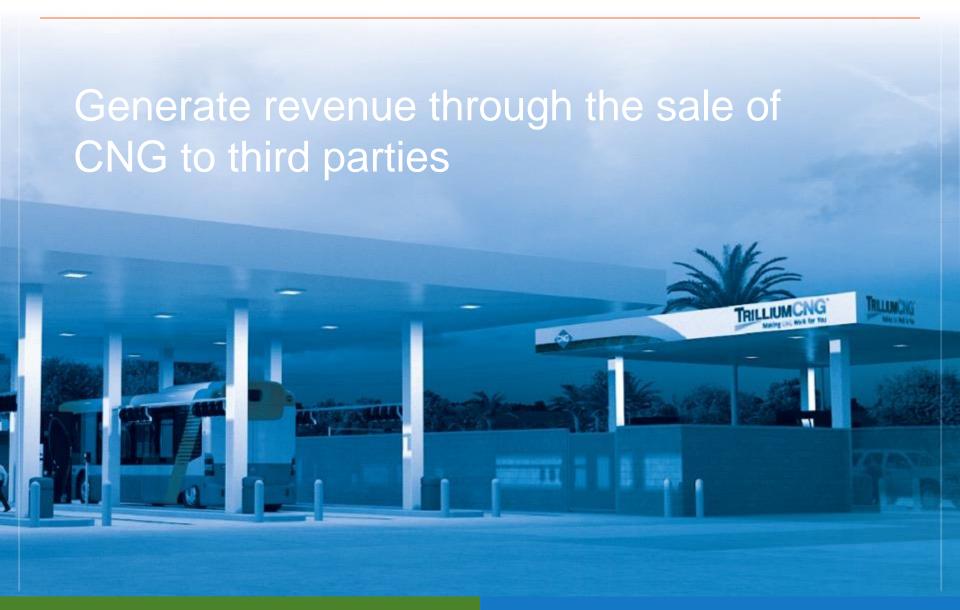


Figure 43: County Fleet locations. Trillium will coordinate the expansion of CNG fueling infrastructure across key segments of the County's fleet.

Goal 5







Market Assessment





- Our assessment is realistic, based on
 - Experience
 - Relationships
 - Research
- Provide Grant Support

Letters of Support







RE: Milami-Dade County Compressed Natural Gas Program

As a Miami based commercial transportation, logistics and supply chain management solutions rompary, Ryder is pleased to support the County's decision to establish CNG refueling infrastructure that allows access for local fleets. Ryder has been a leader in offering natural gas which solutions for

provider and included Ryder in its 2010 and 2011 "Green Partners" listing. the top 500 U.S. companies and sixth in its industry sector in the 2010 Ne is a charter member of the NGV Fleet Forum and a member of the Departs Clean Fleets partnership.

Ryder and its customers have worked in partnership with Trillium CNG to d Infrastructure at several locations around the US, including Golden Eagle B Aritisms and Willow Run Roods in Kirkwood, New York, Ryder provided the rillium CNG built the refueling infrastructure. The stations required no up customers, which allowed our users to start enjoying fuel savings right awa

Ryder is pleased to provide this letter of support for the County's CNG pro Frillium CNG as a well-qualified fuel partner, Our experience with Trillium delivering a high-quality fueling experience for our customers, along with a have need preliminary meetings with Trillium on the County's project and it customers that may be interested in using the stations. We will continue to

Please legs tipe to contact me for further information.

Vice President, Supply N Buster System Inc Miami H. 33178



Anddrikk L. Frazier September 5, 2014

Mr. Frazier

Saddle Creek

Anddrikk L. Frazier Regional Director, Business Development Trillium CNG

Soldle Creek Logistics Services is pleased to offer support for your proposal to construct a CNG fueling. stations related to the Miami Dade County CNG RFP

As you know, we have operations throughout the State of Florida and access to CNG fuel in this Mianni Dade market is desired as part of nor origining corporate systalinability initiative. We were the first for-hire carrier fleet to transition to CNG as our primary fuel source in the entire United States.

We are committed to the advantages that CNG provides the environment, including the reduction in yee an communication of the advantages and a civil proposal and a representation in the advantages are also assigned as a smaller caution hashpirin, and the direction to one or but that is abundant, accessly and American. This initiative is growing throughout our customer base, and we receive dially inquiries about expanding our CMC fleet to more regions.

Miamil Dade's decision to pursue CNG infrastructure muturily helps us uchiere our goals, but primisers CIKG or a final source for all of the other occupants who share this industrial area. Carriers who serve those executed with the able to implement CNG into their fleets once your stations out in operation. This will also elevate Maimil Lade as an integral partner in promoting preseneners youldnots to new

We look forward to hearing about your progress as the building plans are finalized. If we can be ut

John Emi

John Erwin Director, Saddle Creek Transportation Inc. Saddle Creek Logistics Services



August 25, 2014

Industrial

all over the and have made

and Distribution

to alternative

lients. We have postrated their

been significant

Miami-Dade County 111 NW 1st Street, Ste 1300

The Frito-Lay, Inc. entity, FL Transportation, Inc. ("FLTI") supports Trillium in their application for CNG infrastructure in Miami Dade County. Frito-Lay is confident in the experience, abilities and resources of Trillium to provide a foundation for natural gas access for both commercial fleets and the

king to find new ways to reduce emissions from our transport and delivery pnal Clean Fleets Partner. We currently operate a total of 208 compressed natural stionally, with 12s additional units deploying balance of 2014, —0048. —004 jion to operate part of its heavy duty trucking fleet on compre

Hing infrastructure in many of the locations where we needed used RF9 to develop CNG fueling stations. We selected Trilliu se locations, Currently, Trillium operates eight CNG fueling fa the ninth scheduled to open in September 2014. One of these

begins to develop CNG infrastructure for its heavy duty file y begins to develop CNG infrastructure for its heavy duty file recommend Trillium CNG as a fueling partner, based on thei nal support. Our trucks refuel quickly and safely each day. We be effective at ensuring good CNG fuel quality. Their service we experienced high reliability at the stations. Trillium also pu lies for the CNG stations and they have negotiated rates while pur fuel price. Overall, Trillium has performed very well as a s

to-Lay currently operates 27 CNG tractors that fuel at a nea cks do not deliver to Miami because they cannot refuel in th using CNG on these routes if there was a Trillium station in th



September 3, 2014

To: Whom it May Concern

The invote Sector needs accessibility to this product. The more situs that are available to offer the product to the Public, the more the usage will grow,

lity to build facilities in Florida that can meet the customer demands

m provide Dade County with a first class facility, supplying a product

RE: Trillium in their application for CNG infrastructure in Miami-Dade County

Miami-Dade County Internal Services Department 111 NW 1st Street, Ste. 1300

August 28, 2014

🥞 at&t

In 2009, AT&T annou through 2018. These plans reduce greenhouse gas er market and will provide re

AT&T will take into cor

Thank you for your con:

Hatter 2

AT&T Global Floet and T



TRANSPORTATION AMERICA Rita A. Silva

Nia A. Suva Procurement Contracting Manager Miami-Dade County Internal Services Department 111 NW 1st Street, Suite 1300 Miami, FL 33128

Re: Miami-Dade County CNG Implementation Plan

Dear Ms. Silva:

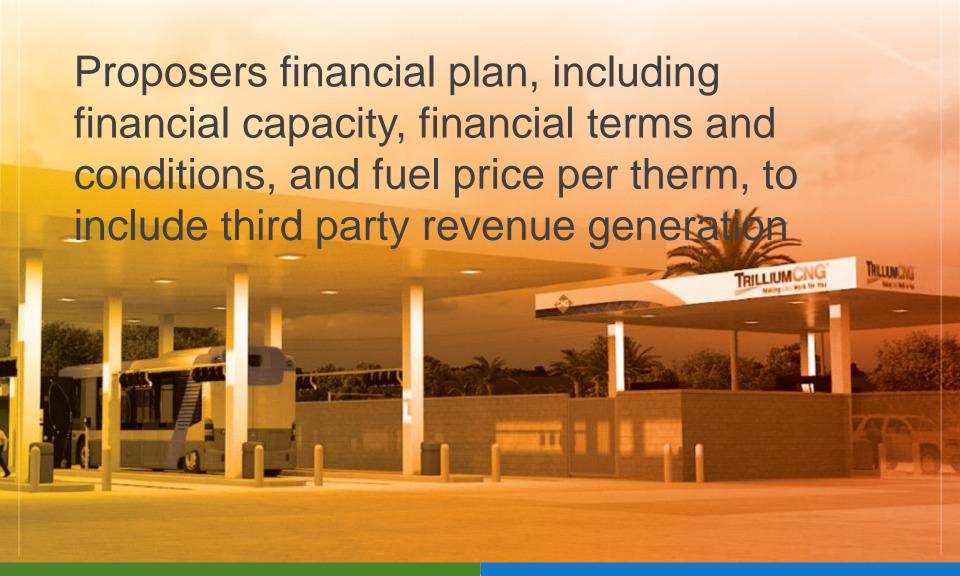
Transportation America is plaused to be surequiently digited with Tillium CNG, and its Proposal to Minim Label Courty to ever in the Matter Developer of the Compressed Natural Gas (CNG) Implementation Program. Similar to the Compressed Natural Court (CNG) Implementation Program. Similar to the Compressed Natural Federal In fact. Transportation America and our related Companies comprise the largest privately-owned transportation experies in Mattern-Date Courty. This network of related companies forcidates.

- Super Nice STS, Inc. d/b/a Transportation America Miami-Dade County Paratransit
- American Shuttle, Inc. d/b/a Super Shuttle Miami, a Transportation America
- Limousines of South Florida, Inc., a Transportation America Company Largest transportation contracts and community circulator
- Company Urgent and Non-Urgent Ambulance Services throughout Miami-Dade County, including servicing "341" calls for Miami-Dade
- Miami-Dade Taxi, a Transportation America Company Taxi Transportation
- F Execucar, a Transportation America Company, a Transportation America

Financial Impact of Program for the County







WEC Transaction





 Acquisition completed June 29, 2015



- 8th largest distributor of natural gas in the country
- \$9 billion in revenue
- Asset base in excess of \$25 billion

CNG Investments





Bus Costs

	Gillig	New Flyer
Bus Base Price	535,941	530,233

Efficient Fueling Facilities

Facility Element	Capital Price	
Base CNG Station	\$11,200,000	
Modifications for O&I and Heavy Maintenance buildings	\$1,200,000	
Facility Work Sub-Total	12,400,000	
Options	Option Price	
DEDUCT: Alternate CNG station design	(\$2,100,000)	
ADDER: New bus wash equipment and building	\$1,758,800 <mark>.</mark>	

CNG Fuel Price (Fixed)





Financing Assumptions (Facility)			
Term (Years)	10		
Rate	3.5%		
Base Station and Building Modification Price	\$ 12,400,000		
Annual Payment	\$ (1,471,422)		
Financing Assumptions (Bus)			
Term (Years)	10		
Rate	2.5%		
Bus Purchase Price	\$ 530,233		
Annual Payment/Bus	\$ (59,982)		
Annual Payment (290 buses)	\$ (17,394,780)		
Incremental Cost for CNG Bus	\$ 50,000		
Incremental Annual Payment (290 buses)	\$ (1,640, 296)		

CNG Fuel Price (Variable)





Third-party Fuel Sale Royalties

Facility Financing

Bus Financing

FINANCE

Price Element	Price per Therm	Price per DGE	
Natural Gas Commodity	0.65	0.88	
Electricity to Compress Fuel	0.08	0.11	
Operations and Maintenance	0.18	0.243	
Taxes	-		
CNG Fuel Price	\$0.91	\$1.23	
Deduct: Federal Excise Tax Credit (if renewed)	(\$0.40)	(\$0.54)	

Third Party Revenue





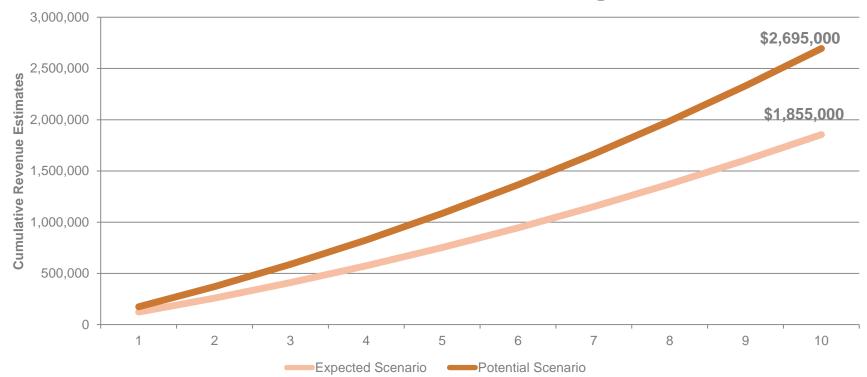
Third-party Fuel Sale Royalties

Facility Financing

Bus Financing

FINANCE

Revenue Generation for CNG Program



Economic Parameters – Central





Based on PFM Financial Report

	Trillium CNG
CNG Station Costs & Facility Upgrades	\$12,400,000
Individual Bus Costs	\$530,233
O&M Costs (per therm)	\$0.18
Financing Rate	Tax-Exempt 2.8%
3 rd Party Revenue	\$0.35
Annual Site Savings from Best Practices	\$130,000

Annual Program Costs- Central





	Trillium CNG
CNG Station Costs & Facility Upgrades	\$1,471,422
Bus Costs for 290 new CNG Buses	(\$17,394,780)
O&M Costs (3 million DGE / 4.05 million therms)	(\$729,000)
3rd Party Revenue (350,000 DGE)	\$122,500
3 rd Party Revenue	\$0.35
Annual Site Savings from Best Practices	\$130,000
Total	(\$19,342,702)

10 Year Cumulative Look





	Cumulative	Incremental
Bus Lease Expense	\$ (173,947,857)	\$(16,402,963)
Station & Building Mod Lease Exp	\$ (14,714,217)	\$(14,714,217)
Fuel Savings	\$ 77,507,300	\$ 77,507,300
Operational Savings - New vs Old Bus	\$ 28,623,000	\$ 28,623,000
Operational Savings - Site Layout	\$ 1,490,304	\$ 1,490,304
Royalty Revenue (3rd Party Fueling)	\$ 2,695,000	\$ 2,695,000
Net Cash Outflow	\$ (78,346,470)	\$ 79,198,424

From page 135 of Trillium's Proposal

In Closing







San Diego MTS







"MTS' long term investment in CNG as its primary fuel for its bus fleet is even more cost efficient and effective due to our collaboration with Trillium.

MTS and Trillium partnered to design a turnkey operation that provides reliable and secure fuel at our various operating facilities for over 600 buses. Trillium's staff is experienced, knowledgeable and always ready to solve any CNG issues.

Trillium has consistently demonstrated a strong understanding of the responsiveness, reliability and safety that MTS expects and our employees, customers and communities expect from MTS."

Paul JABLONSKI

Chief Executive Officer San Diego

MTS

Orange County Transportation Authority







New York City Transit







MTA Buses

Trillium Exceeds Requirements MAKING CNG Work for You





	Pts	Evaluation Criteria	Trillium
Experience & Qualifications	400	 Currently serving 64% of the large CNG transit agencies World Class Team PB - Best practices provider across the nation Link - Local work force Transportation America – Largest transportation provider in South Florida Gannet Fleming – Regulatory knowledge 	
Approach	400	 \$2.1 million savings with our unique alternative option Over \$130,000/year savings at (Central) with more efficient traffic flow Safe working environments for fuelers and mechanics Buses that are FTA compliant from existing County vendors 	
Financial Plan	400	 Strong financial proposal leveraging MDT tax-exempt status Flexible financing options with no intermediary premiums Third party revenue through established relationships 	

Goals & Evaluation Criteria - Transit





Specifically, through the Master Developer Agreements, the County intends to form a public private partnership with the selected Proposer(s) that allows the County to take advantage of the savings associated with the use of CNG for its fleet. The Program objectives to be achieved by the selected Proposer(s) include the following:

- 1. Design, build, finance, operate and maintain CNG fuel service stations;
- Upgrade existing County infrastructure including upgrading and/or converting County maintenance facilities and existing fuel stations to provide CNG;
- Purchase and/or lease CNG powered vehicles, including buses and/or heavy fleet for identified County departments, with the goal of replacing County diesel powered fleet vehicles with CNG powered fleet vehicles;
- 4. Supply CNG for County fleet vehicles; and
- 5. Generate revenues for the County through the sale of CNG to third parties

	Technical Criteria	<u>Points</u>
1.	Proposer's relevant experience and qualifications, and relevant experience and qualifications of key personnel, that will be assigned to this project	400
2.	Proposer's approach to providing the Program requested in this Solicitation, including safety considerations and plan to market the fuel for revenue generating activities	400
ļ	Financial Plan/Price Criteria	<u>Points</u>
3.	Proposer's financial plan, including financial capacity, financial terms and conditions, and fuel price per therm, to include third party revenue generation	400