

# Green Frog Hybrid Buses



*because the Filipino deserves better...*

**Safe, Comfortable, Reliable, Environment  
Friendly Mass Transportation**

# Mass Transportation in the Philippines. The Jeepney



# Mass Transportation in the Philippines

## The bus



And they pollute the air we inhale.





# And we you throw garbage into the air you inhale, you get sick or die ☹️

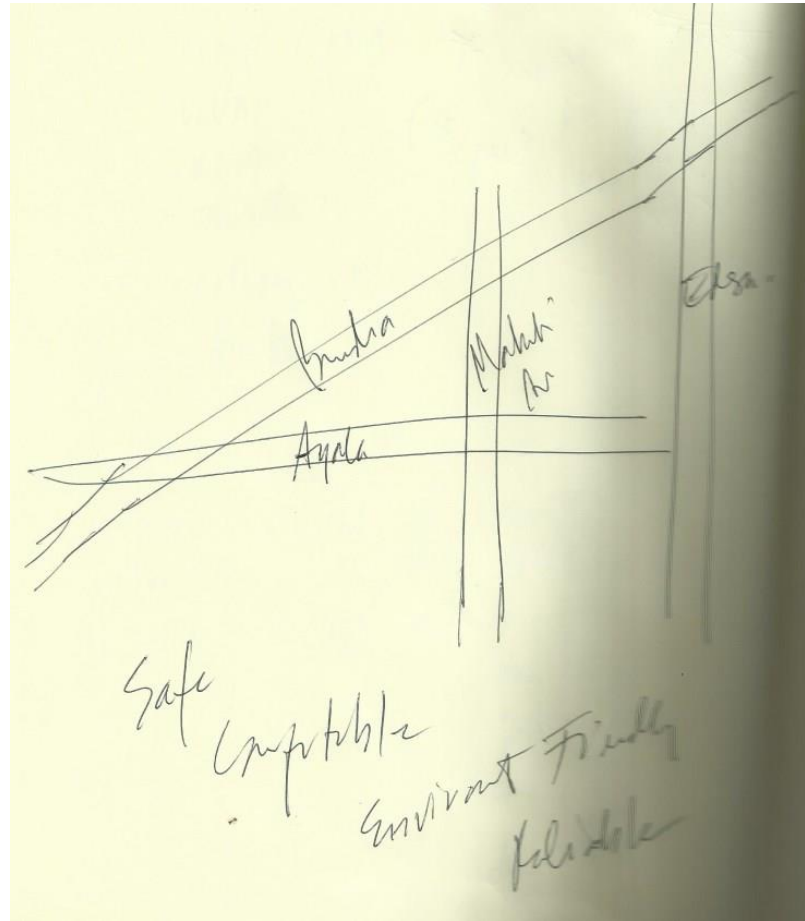
- Total Suspended Particulates (**TSP**) in Metro Manila is over **4x worse** the WHO's air quality guidelines. Particulate emissions are largely from **motor vehicles (84%)**, solid waste burning (10%) and industries (5.5%)
- Metro Manila accounts for the most premature deaths due to outdoor pollution, which is **4,968** or about 12% of all reported deaths
- This translates to an average of **14 people dying per day** from pollution-related ailments such as pneumonia, asthma, cardiopulmonary disease and lung cancer
- World Bank study shows that the cost associated with treating pollution-related diseases amount to **US\$50 million per year**



Another problem:  
congested roads and long travel times.



The dream of safe, comfortable, reliable and environment friendly transportation was born in a coffee shop in March 2011.



Safe  
Comfortable  
Environment Friendly  
Reliable



After 1 1/2 years of research, tons of Skype calls and 4 trips to China, 7 bus companies  
Our Solution: Electric Diesel Hybrid Bus



### **Euro 4 compliant diesel electric hybrid buses with regenerative brakes**

- \* 90% less particulate emission than a euro 1 bus
- \* 28% less CO2 emission than a euro1 bus
- \* Carries 70 passengers (27 seated + 43 standing)
- \* 8 CCTVs on board, 24/7 recording (the new ones will have 8)
- \* Safe, comfortable, reliable, environmentally friendly public transportation





# Ordinary Diesel Bus vs. Green Frog Hybrid Bus



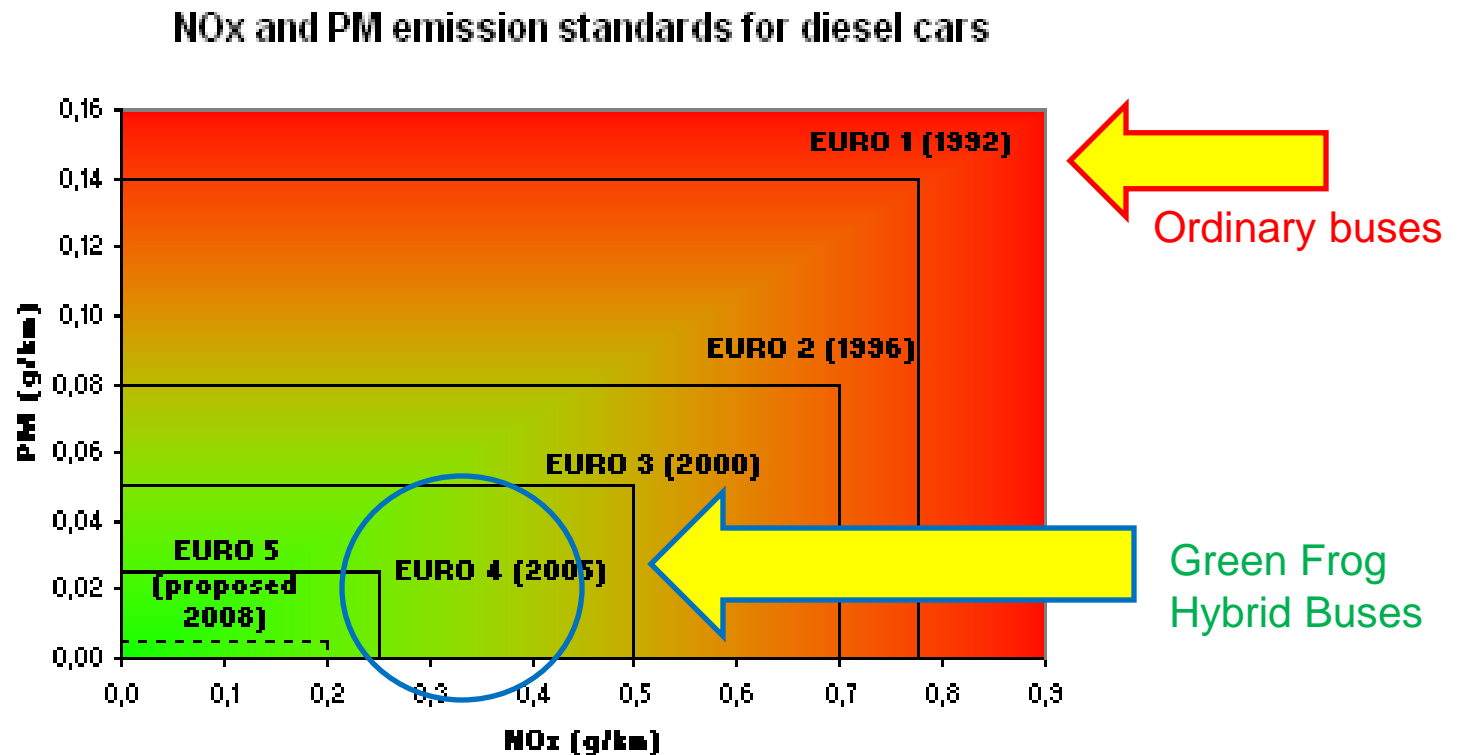
- **Very Polluting**
- **Noisy**
- **Uncomfortable**
- **Expensive maintenance**
- **High fuel costs**
- **Sensitive to Oil Price Hikes**
- **Unsafe**



- **90% less particulate emissions**
- **28% less CO2 emissions**
- **Low noise pollution**
- **Comfortable: Aircon at 19 degrees**
- **Comfortable: Air Suspension**
- **Low maintenance**
- **60-80% fuel savings > euro 1 bus**
- **Safe: 8 CCTVs 1Tb DVR**
- **Tap Card Payment System**
- **Low Floor & 2 doors**
- **Designated Bus Stops**

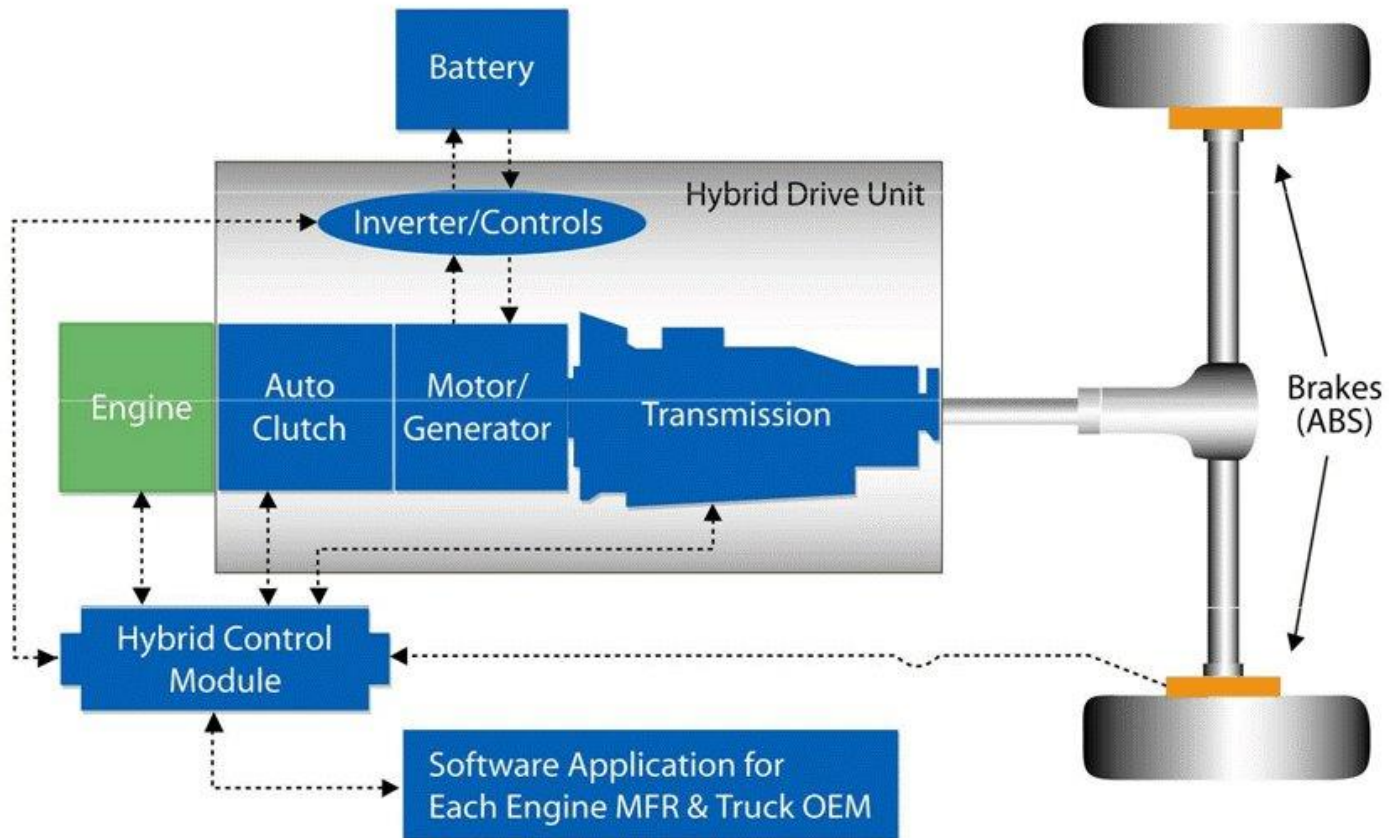


# Euro Emissions Standards

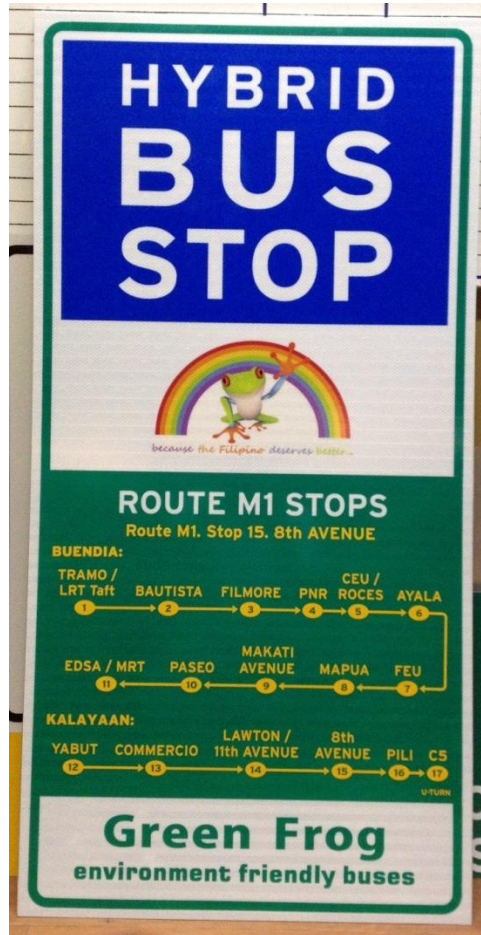


# Green Frog's Innovations:

## 1) The U.S. made Eaton Hybrid System



## 2) Green Frog is the first city bus company with designated bus stops

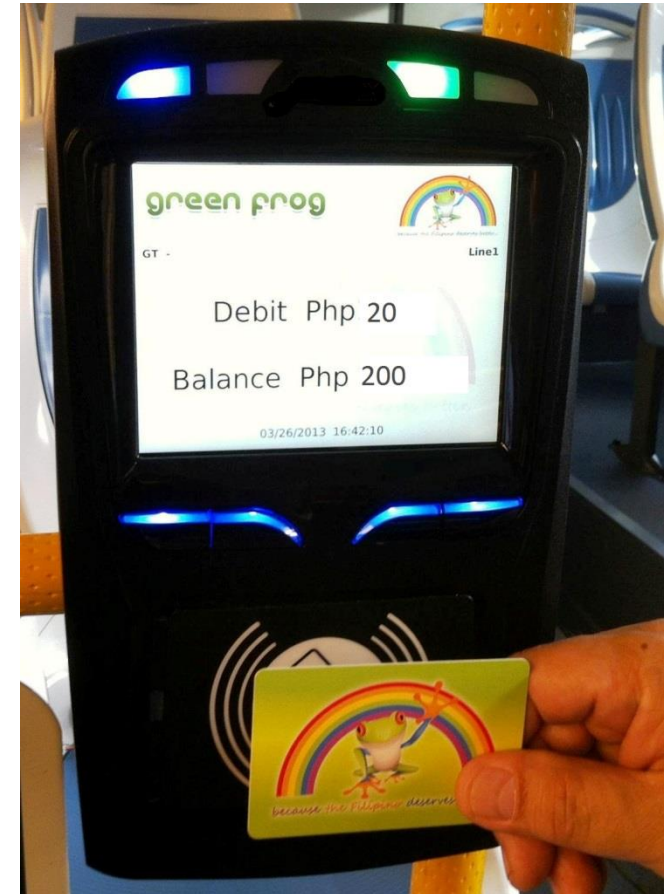




### 3) Green Frog introduced & operates the only true city buses in the country with two doors and low floors.



- 4) Female bus drivers
- 5) Prepaid tap fare cards



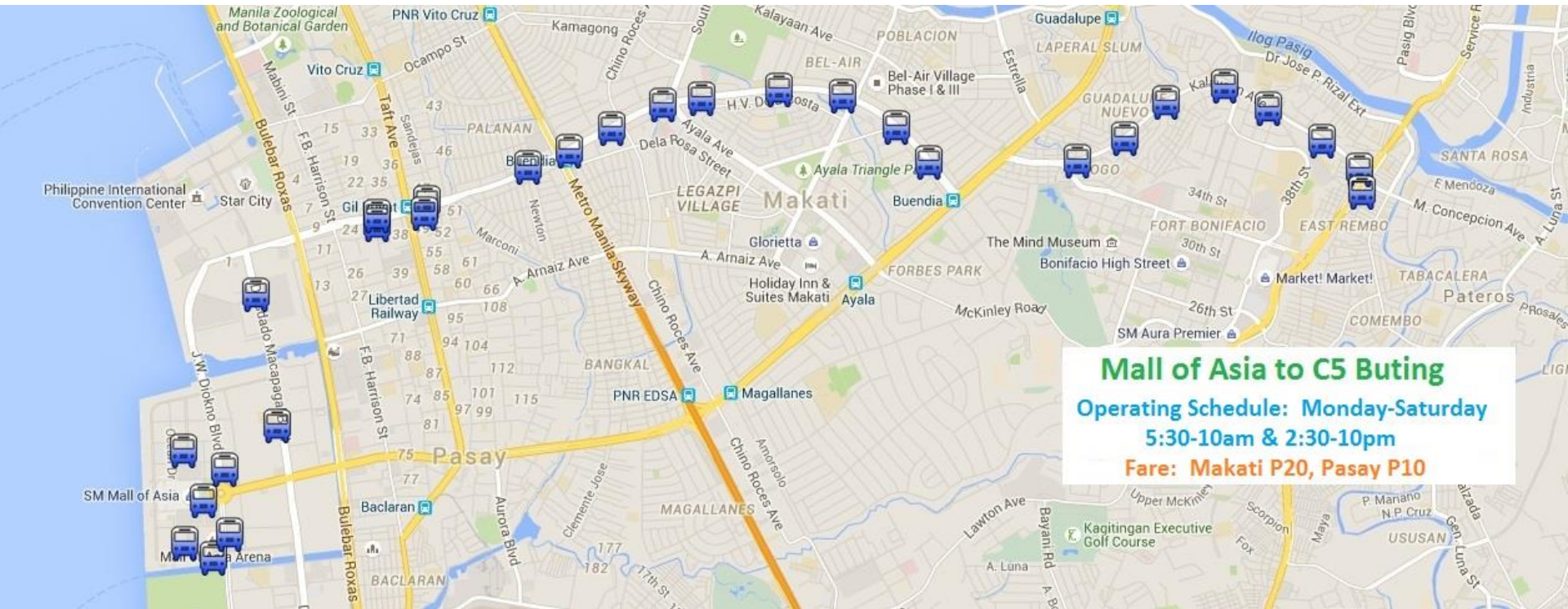


- 5) 8 CCTV's, 1Tb dvr, 24 hour recording,
- 6) PWD seats
- 7) luggage racks



# GF's First Franchised Route


(MOA to C5 Buting via Macapagal, Buendia, Kalayaan and C5) w/ designated bus stops





# Growth in 2015:

## The Green Frog Airport Shuttles to Ortigas, Makati & Pasay Central Business Districts



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## DOTC to launch better airport bus services

**News** **Economy** by Lorenz S. Marasigan · May 12, 2015

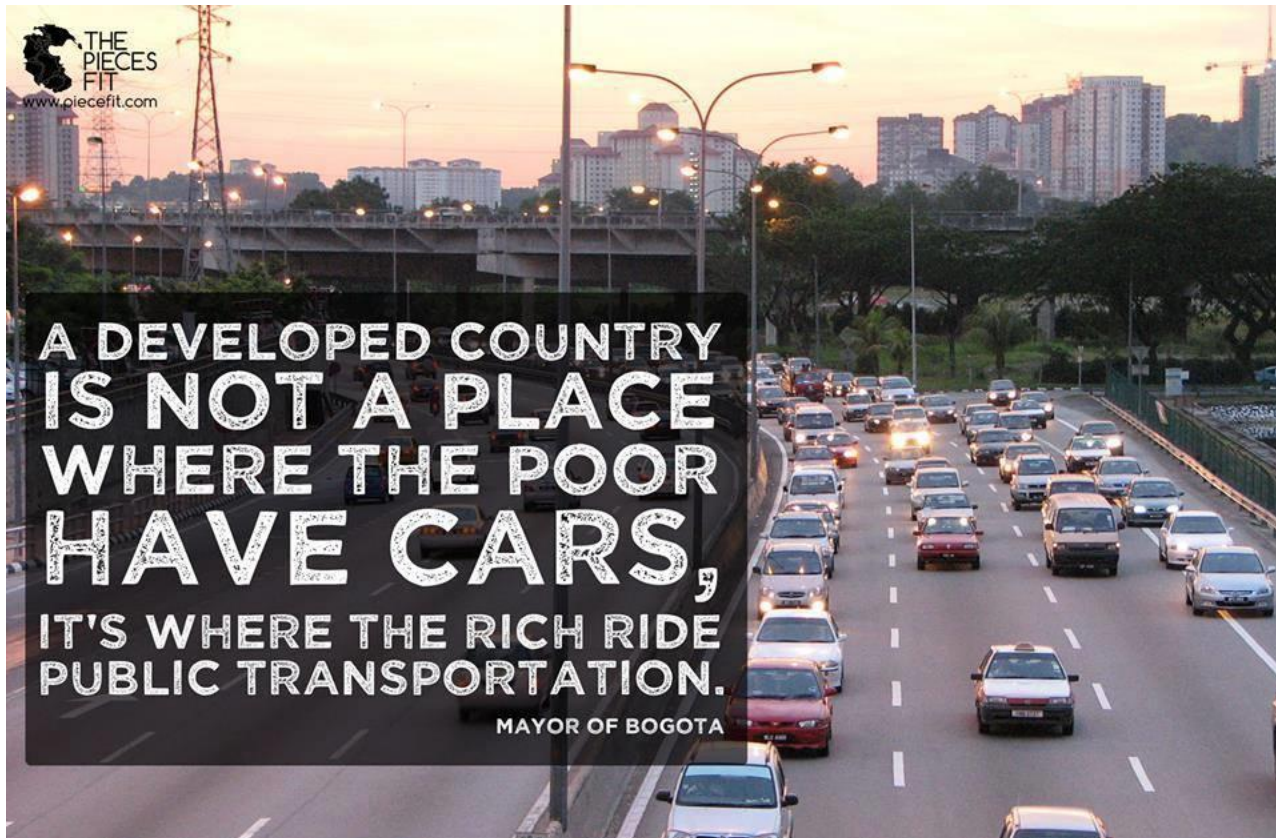
COMMUTERS on a budget will soon have a cheaper choice in getting in and out of the main gateway in Manila, as the Department of Transportation and Communications (DOTC) moves to modernize its transport rules to address the traffic woes around the country.

Airport bus services—which are available in different countries around the globe—are expected to be launched soon, giving airline passengers and airport employees an option apart from regular and accredited taxi cabs, which charge about 10 times more than a regular bus service.

“For arriving airline passengers, the first trip is getting from the airport to their homes, hotels and business centers. We are expanding their options to modern buses, so they will not have to rely on taxis alone. This is part of our bus-reform program, which will improve passenger safety and convenience,” Transportation Secretary Joseph Emilio A. Abaya said on Tuesday.



# End of Presentation



# Appendix: (GF has a massive following, Rappler Article 052815)



**Green Frog Zero Emissions Transport**  
28 May at 08:04 · 🌐

RAPPLER <http://www.rappler.com/.../94525-hybrid-bus-green-frog-bonifa...>



**'Exorbitant' fee forces hybrid buses out of BGC**  
The shortened route of Green Frog buses will inconvenience 500 regular bus passengers. BGC wants the company to pay P250 for every bus entry.  
RAPPLER.COM

353,280 people reached

Like · Comment · Share

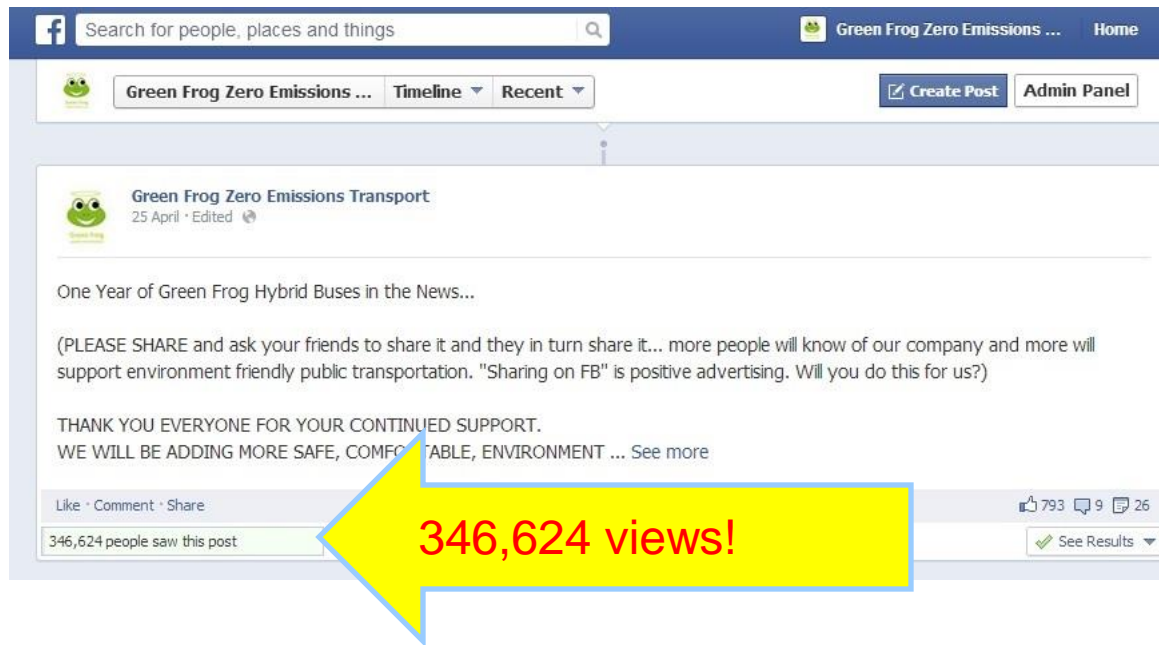
👍 Francisco Guerrero, Jenna Celine Gonzalez-Dilig, Luisa Beltran and 1,057 others like this.

↪ 256 shares

353,280 views!



# Appendix: (346k views, One Year Anniversary Post, April 25,2014)





# Appendix: (303k views Inquirer Oct 2013 article)

**Green Frog Zero Emissions Transport**

You are posting, commenting and liking as **Πηλιν Αποστολ** — Change to Green Frog Zero Emissions Transport

**Green Frog Zero Emissions ...** **Timeline** **Recent** **Admin Panel**

**Green Frog Zero Emissions Transport** shared a link.  
6 October 2013 near Makati • Edited

"How Commuting Should Be Done"  
By Amy R. Remo  
Philippine Daily Inquirer Oct 06,2013

<http://business.inquirer.net/146153/green-frog-teaches-us-how-commuting-should-be-done>

(Please Share. Thank you.)

 **Green Frog teaches us how commuting should be done**  
business.inquirer.net

When Philip Go Apostol returned to the Philippines in March 2008, he was supposed to assume a prime position for an international bank, in its local office in Makati City.

303,616 people saw this post

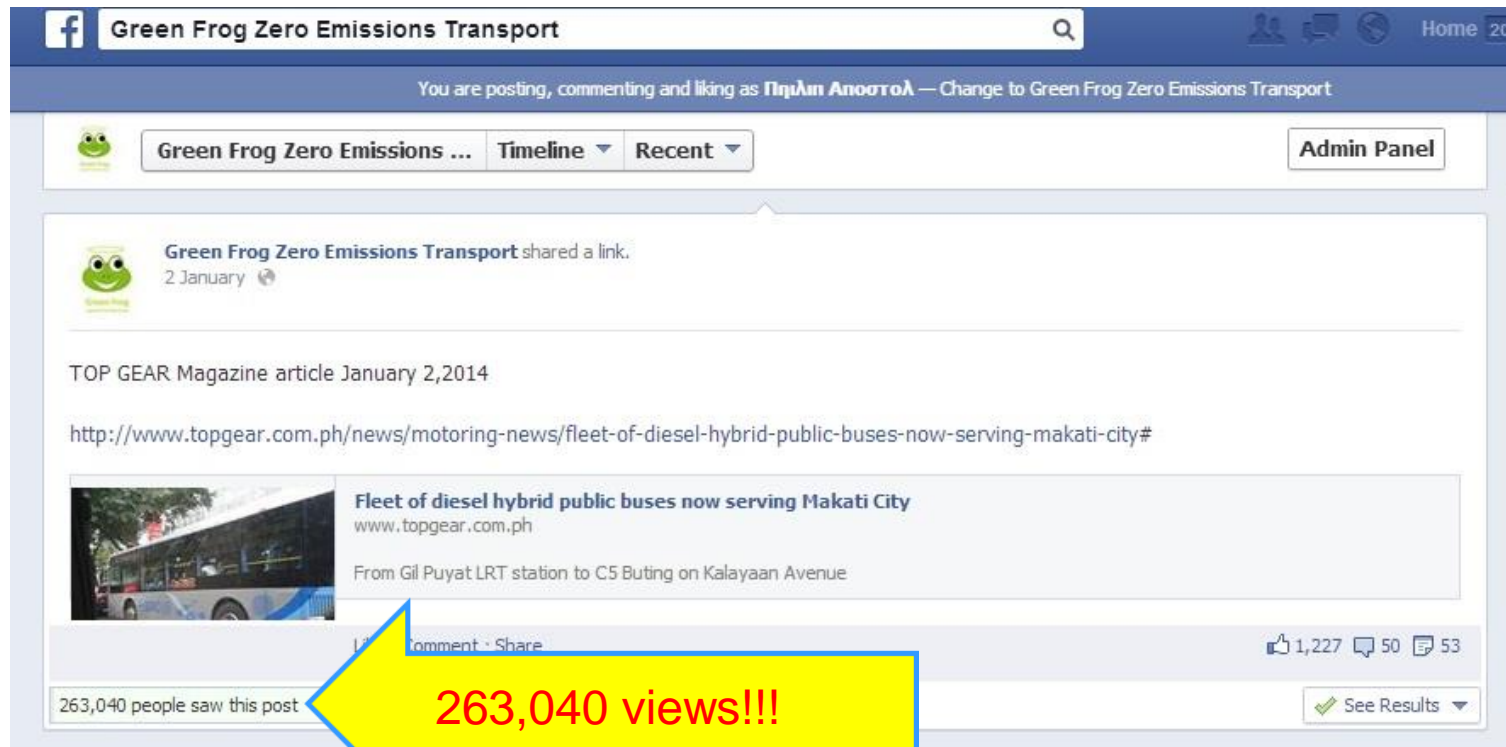
742 35 234

See Results

**303,616 views!!**



# Appendix: (263k views Top Gear Jan 2014 article)



Green Frog Zero Emissions Transport

You are posting, commenting and liking as Πηλιν Αποστολ — Change to Green Frog Zero Emissions Transport

Green Frog Zero Emissions ... Timeline Recent Admin Panel

Green Frog Zero Emissions Transport shared a link.  
2 January

TOP GEAR Magazine article January 2,2014

<http://www.topgear.com.ph/news/motoring-news/fleet-of-diesel-hybrid-public-buses-now-serving-makati-city#>

**Fleet of diesel hybrid public buses now serving Makati City**  
www.topgear.com.ph

From Gil Puyat LRT station to C5 Buting on Kalayaan Avenue

Like Comment Share 1,227 50 53

263,040 people saw this post

263,040 views!!!

See Results



# Appendix: Simplified YTD Income Statement 2015

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	AC	AD
1	GREEN FROG ZE TRANSPORT CORPORATION															
2	STATEMENTS OF INCOME															
3	AS OF MAY 2015															
4																
5					JANUARY	%	FEBRUARY	%	MARCH	%	APRIL	%	MAY	%	YTD TOTAL	%
6																
7	REVENUE															
8		Fare			1,451,597.00	97%	1,897,835.00	97%	2,353,043.00	97%	2,304,509.00	95%	2,872,334.00	97%	10,879,318.00	97%
9		Other			40,950.00	3%	58,606.00	3%	74,400.00	3%	126,200.00	5%	81,660.00	3%	381,816.00	3%
10			GROSS INCOME		1,492,547.00	100%	1,956,441.00	100%	2,427,443.00	100%	2,430,709.00	100%	2,953,994.00	100%	11,261,134.00	100%
11																
12	LESS : DIRECT COST															
13		Fuel			224,870.26	15%	337,163.52	17%	450,939.04	19%	446,942.00	18%	553,383.81	19%	2,013,298.63	18%
14		Salaries - Drivers & Conductors			236,556.44	16%	303,443.79	16%	438,767.08	18%	425,733.98	18%	487,221.65	16%	1,891,722.94	17%
15		Repairs & Maintenance ( Bus )			10,483.35	1%	6,952.20	0%	5,748.00	0%	39,599.00	2%	65,165.00	2%	127,947.55	1%
16		Barkers Fee			2,388.00	0%	2,506.00	0%	2,601.00	0%	1,855.00	0%	2,282.00	0%	11,632.00	0%
17			TOTAL DIRECT COSTS		474,298.05	32%	650,065.51	33%	898,055.12	37%	914,129.98	38%	1,108,052.46	38%	4,044,601.12	36%
18																
19			GROSS MARGIN		1,018,248.95	68%	1,306,375.49	67%	1,529,387.88	63%	1,516,579.02	62%	1,845,941.54	62%	7,216,532.88	64%
20																
21	GENERAL AND ADMIN EXPENSES :															
22																
23																
24																
25			TOTAL GEN & ADMIN EXPENSES		349,760.17	23%	581,872.69	30%	614,044.81	25%	417,951.31	17%	323,065.04	11%	2,286,694.02	20%
26																
27																
28																
29			EARNINGS BEFORE INTEREST, TAXES AND DEPRECIATION		668,488.78	45%	724,502.80	37%	915,343.07	38%	1,098,627.71	45%	1,522,876.50	52%	4,929,838.86	44%
30																
31																
32																
33		Interest Expense			172,066.85	12%	172,066.85	9%	172,066.85	7%	172,066.85	7%	172,066.85	6%	860,334.25	8%
34																
35			EARNINGS BEFORE TAXES, DEPRECIATION & AMORTIZATION		496,421.93	33%	552,435.95	28%	743,276.22	31%	926,560.86	38%	1,350,809.65	46%	4,069,504.61	36%
36																
37																
38																
39		Taxes (mandatory common carrier tax)			50,315.42	3%	46,826.27	2%	43,851.27	2%	43,213.59	2%	45,786.51	2%	229,993.06	2%
40																
41			EARNINGS BEFORE DEPRECIATION & AMORTIZATION		446,106.51	30%	505,609.68	26%	699,424.95	29%	883,347.27	36%	1,305,023.14	44%	3,839,511.55	34%
42																
43																
44																
45																
46																
47																
48																
49		Amortization			394,450.90	26%	394,450.90	20%	394,450.90	16%	394,450.90	16%	394,450.90	13%	1,972,254.50	18%
50																
51			EARNINGS BEFORE DEPRECIATION		51,655.61	3%	111,158.78	6%	304,974.05	13%	488,896.37	20%	910,572.24	31%	1,867,257.05	17%

