Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Division 26, Part 5, Chapter 2; and pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: The following hybrid electric on-road motor vehicles with a manufacturer's GVWR over 14000 pounds are certified as described below. Production vehicles shall be in all material respects the same as those for which certification is granted.

asoline, LPG, Alcohol Vehicles				HYBRID DRIVE SYSTEM						VEHICLE DE	in name	I	ENGINE MODELS / CODES	
Evaporative		Fuel Cap.	FAMILY		MODEL	CODE		SERVICE	VEHICLE MAKE & MODELS			ENGINE (L)	(rated power, in hp)	
Family	amily (Kmi.)						YEAR	CLASS*	Gillig Urban Bus				ISB 260H / 0429;FR91894 (260)	
•	*	•	6GM	XN0359100	EP 40	10	2006	Hybrid Electric UB	(GVWR < 42,000 pounds)		nds)	5.9	ISB 260H / 0429;PR91894 (200)	
an despressioners destration							ENGIN	E DESCRIPTION		STANDARDS	INTER		ter o su o trongen de la seu d	
MANUFACTURER		EXECUTIVE ORDER A-021-0398		MODEL	ENGINE FA	MILY	ENGINE SIZES (L)	FUEL TYP		& TEST PROCEDURE	SER	/ICĘ	ECS & SPECIAL FEATURES	
								Ultra Low Sulfur Diesel (<15 ppm Sulfur)		i Diasal i MH		DD	ECM, DDI, TC, CAC, CTOX	
				B 2006	6CEXH0359BAC		5.8	Regulations, Section xyz; 40 CFR 86.abc=Title		40, Code of Federal		Regulations, Section 86.abc; L=liter;		

* =not applicable; GVWR=gross vehicle weight K=1000 miles; hp=horsepower; kw=kilowatt; CNG/LNG=compressed/liquefied natural gas; LPG=liquefied petroleum gas; E85=85% ethanol fuel; MF=multi fuel a.k.a. BF=bi fuel; DF=dual fuel; FF=flexible fuel;

CNG/LNG=compressed/iquefied natural gas; LPG=liquefied petroleum gas; E85=85% ethanol fuel; MF=mutti fuel a.k.a. BF=bi fuel; DF=dual fuel; FF=flexible fuel;
LMM+ HDD=ight/medium/heavy heavy-duty diesel; UB=urban bus; HDO=heavy duty Otto;
LCS=emission control system; TWC/OC-three-way/oxidizing catalyst; WU (prefix) =warm-up catalyst; DPF=diesel particulate filter; CTOX =continuous trap oxidizer; HO2S/O2S=heated/oxygen sensor; HFS/AFS=heated/air-fuel-ratio sensor (a.k.a., universal or linear oxygen sensor); TBI=throttle body fuel injection; SFU/MFI=sequential/multi port fuel injection; DGI=direct gasoline injection;
GCARB=gaseous carburetor; IDI/DDI=indirect/direct diesel injection; TC/SC=turbo/super charge; CAC=charge air cooler; EGR=exhaust gas recirculation; PAIR/AIR=pulsed/secondary air injection;
SPL=smoke puff limiter; ECM/PCM=engine/powertrain control module; EM=engine modification; 2 (prefix)=parallel; (2) (suffix)=in series;

Following are: 1) the FTP exhaust emission standards or family emission limit(s), as applicable, under 13 CCR 1956.1 (urban bus) or 13 CCR 1956.8 (other than urban bus); 2) the EURO and NTE limits under the applicable California exhaust emission standards and test procedures for heavy-duty diesel engines and vehicles (Test Procedures); and 3) the corresponding certification levels, in g/bhp-hr, for this hybrid drive family. "Diesel" CO, EURO and NTE certification compliance may have been demonstrated by the manufacturer as provided under the applicable Test Procedures in lieu of testing. (For flexible- and dual-fueled engines, the CERT values in brackets [] are those when tested on conventional test fuel. For multi-fueled engines, the STD and CERT values for default operation permitted in 13 CCR 1956.1 or 13 CCR 1956.8 are in parentheses.)

									F P	M I	нсно		
NMHC			NOx		NMHC+NOx						FTP	EURO	
			FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO			
	FTP	EURO	FIF				15.5	15.5	0.01	0.01	•		
STD	0.5	0.5	1.8	1.8			13.5		•	•	*	•	
	0.0			*	T •	•	•					· · ·	
FEL			L			•	0.0	0.0	0.00	0.01			
CERT	0.1	0.03	1.7						0.0125			*	
	0.625		2.25		i *		19.375						
NTE					The standard or emission test cap;								

g/bhp-hr=grams per brake horsepower-hour; FTP=Federal Test Procedure; EURO=Euro III European Steady-State Cycle; NTE=Nol-to-Exc FEL=family emission limit; CERT=certification level; NMHC/HC=non-methane/hydrocarbon; NOx=oxides of nitrogen; CO=carbon monoxide; PM=particulate matter; HCHO=formaldehyde;

BE IT FURTHER RESOLVED: For the listed engine models the manufacturer has submitted the materials to demonstrate certification compliance with 13 CCR 1965 (emission control labels) and 13 CCR 2035 et seq. (emission control warranty).

BE IT FURTHER RESOLVED: Certification to the FEL(s) listed above is subject to the following terms, limitations and conditions. The FEL(s) is the emission level declared by the manufacturer and serves in lieu of an emission standard for all compliance purposes. However, engines in this engine family shall not participate in any averaging, banking, or trading (ABT) programs.

BE IT FURTHER RESOVED: The listed engine models are conditionally permitted, under California Interim Certification Procedures **BE IT FURTHER RESOVED:** The listed engine models are conditionally permitted, under California Interim Certification Procedures for 2004 and Subsequent Model Hybrid-Electric Vehicles, in the Urban Bus and Heavy-Duty Vehicle Class (Interim Hybrid Bus / Heavy-Duty Vehicle Procedures), to be used in the two-party certification of hybrid electric urban buses for sale to transit districts that are exempted by the Executive Officer under 13 CCR Section 2023.1(c)(9). The permission is conditional on final approval by the Office of Administrative Law of the amendments to the Fleet Rule for Transit Agencies and New Requirements for Transit Fleet Vehicles (13 CCR Sections 1956.1, 2023, and 2023.1-2023.4) that were approved by the Board at a February 24, 2005 public hearing. Vehicles (13 CCR Sections 1956.1, 2023, and 2023.1-2023.4) that were approved by the are used in hybrid electric buses will be In the event that the amendments do not become effective, engines in this engine family that are used in hybrid electric buses will be deemed uncertified.

BE IT FURTHER RESOLVED: The certification of this engine family is also subject to the following terms, limitations and conditions: (i) the manufacturer must take appropriate measures to ensure that all vehicles equipped with engines covered by this Executive Order bear appropriate labels in the vehicle fuel tank filler area and the driver's dashboard area disclosing the low sulfur (15 ppm maximum) fuel requirement, (ii) the manufacturer must take appropriate measures to ensure that all vehicles equipped with engines covered by this Executive Order are sold only to floats with control fueling canability for low sulfur discel fuel, and (iii) the manufacturer must require this Executive Order are sold only to fleets with central fueling capability for low sulfur diesel fuel, and (iii) the manufacturer must require these fleet owners to sign agreements which require the fleet owner to use appropriate low sulfur diesel fuel and stipulate that the fleet owner is at risk of voiding the warranty for use of improper diesel fuel.

BE IT FURTHER RESOLVED: The listed hybrid drive family has been certified under Section C of the Interim Hybrid Bus / Heavy-Duty Vehicle Procedures.

Vehicles certified under this Executive Order must conform to all applicable California emission regulations. The Bureau of Automotive Repair will be notified by copy of this Executive Order. TH

Executed at El Monte, California on this

Allen Loons, Chief Mobile Source Operations Division

day of November 2005.