

**ALTERNATIVE FUEL RETROFIT SYSTEMS CERTIFIED BY
THE AIR RESOURCES BOARD**

(Last Reviewed: April 24, 2014)

2013 MODEL-YEAR RETROFIT SYSTEM CERTIFICATION (As of March 10, 2014)

- A. IMPCO Technologies – [E.O. B-4-76](#), CNG
- | <u>Vehicle Make</u> | <u>Engine Family</u> | <u>Vehicle Class</u> | <u>System</u> |
|---------------------|----------------------|----------------------|---------------|
| Ford | DFMXT06.27HL | MDV | dedicated |
- B. Landi Renzo USA – [E.O. B-60-1](#), CNG
- | <u>Vehicle Make</u> | <u>Engine Family</u> | <u>Vehicle Class</u> | <u>System</u> |
|---------------------|----------------------|----------------------|---------------|
| Ford | DFMXT05.45HK | MDV | dedicated |

2012 MODEL-YEAR RETROFIT SYSTEM CERTIFICATION (As of April 24, 2014)

- A. IMPCO Technologies – E.O. B-4-75, CNG
- | <u>Vehicle Make</u> | <u>Engine Family</u> | <u>Vehicle Class</u> | <u>System</u> |
|---------------------|----------------------|----------------------|---------------|
| Ford | CFMXT02.51EN | LDT | dedicated |
- B. Roush Industries, Inc. - [E.O. B-58-2](#), LPG
- | <u>Vehicle Make</u> | <u>Engine Family</u> | <u>Vehicle Class</u> | <u>System</u> |
|---------------------|----------------------|----------------------|---------------|
| Ford | CFMXE06.8BW5 | HDO | dedicated |

2010 MODEL-YEAR RETROFIT SYSTEM CERTIFICATION (As of June 25, 2010)

- A. Roush Industries, Inc.
1. [E.O. B-58](#), LPG
- | <u>Vehicle Make</u> | <u>Engine Family</u> | <u>Vehicle Class</u> | <u>System</u> |
|---------------------|----------------------|----------------------|---------------|
| Ford | AFMXT05.45H4 | MDV | dedicated |
2. [E.O. B-58-1](#), LPG
- | <u>Vehicle Make</u> | <u>Engine Family</u> | <u>Vehicle Class</u> | <u>System</u> |
|---------------------|----------------------|----------------------|---------------|
| Ford | AFMXT05.45HJ | MDV | dedicated |

2006 MODEL-YEAR RETROFIT SYSTEM CERTIFICATION (As of January 26, 2007)

- A. BAF Technologies
1. E.O. B-52, CNG
- | <u>Vehicle Make</u> | <u>Engine Family</u> | <u>Vehicle Class</u> | <u>System</u> |
|---------------------|----------------------|----------------------|---------------|
| Ford | 6FMXV04.6VE8 | PC | dedicated |
2. E.O. B-52-1, CNG
- | <u>Vehicle Make</u> | <u>Engine Family</u> | <u>Vehicle Class</u> | <u>System</u> |
|---------------------|----------------------|----------------------|---------------|
| Ford | 6FMXV04.6VG8 | PC | dedicated |
- B. Westport Fuel Systems, Inc. – E.O. B-53, LNG/Diesel
- | <u>Vehicle Make</u> | <u>Engine Family</u> | <u>Vehicle Class</u> | <u>System</u> |
|---------------------|----------------------|----------------------|---------------|
| Cummins | 6CEXH0912XAH | HDE | bi-fuel |

2002 MODEL-YEAR RETROFIT SYSTEM CERTIFICATION (As of May 15, 2012)

A. Clean Air Partners, Inc.

1. E.O. B-40-7, CNG/Diesel & LNG/Diesel
(RESCINDED, SEE CLEAN AIR POWER E.O. B-57-8)

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>	<u>System</u>
Caterpillar	2CPXH0442HRK	HDE	bi-fuel

2. E.O. B-40-8, CNG/Diesel & LNG/Diesel
(RESCINDED, SEE CLEAN AIR POWER E.O. B-57-9)

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>	<u>System</u>
Caterpillar	2CPXH0629ERK	HDE	bi-fuel

3. E.O. B-40-9, CNG/Diesel & LNG/Diesel
(RESCINDED, SEE CLEAN AIR POWER E.O. B-57-10)

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>	<u>System</u>
Caterpillar	2CPXH0729ERK	HDE	bi-fuel

B. Clean Air Power

1. E.O. B-57-4, CNG/Diesel & LNG/Diesel

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>	<u>System</u>
Caterpillar	2CPXH0893ERK	HDE	bi-fuel

2. E.O. B-57-8, CNG/Diesel & LNG/Diesel

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>	<u>System</u>
Caterpillar	2CPXH0442HRK	HDE	bi-fuel

3. E.O. B-57-9, CNG/Diesel & LNG/Diesel

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>	<u>System</u>
Caterpillar	2CPXH0629ERK	HDE	bi-fuel

4. E.O. B-57-10, CNG/Diesel & LNG/Diesel

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>	<u>System</u>
Caterpillar	2CPXH0729ERK	HDE	bi-fuel

2001 MODEL-YEAR RETROFIT SYSTEM CERTIFICATION (As of May 15, 2012)

A. Baytech Corporation - E.O. B-41-11, CNG

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>	<u>System</u>
General Motors	1GMXT04.3186	LDT1, LEV	dedicated/dual fuel

B. Clean Air Partners, Inc.

1. E.O. B-40-10, CNG/Diesel & LNG/Diesel
(RESCINDED, SEE CLEAN AIR POWER E.O. B-57-5)

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>	<u>System</u>
Caterpillar	1CPXH0442HRK	HDE	bi-fuel

2001 MODEL-YEAR RETROFIT SYSTEM CERTIFICATION (As of May 15, 2012) Cont.

B. Clean Air Partners, Inc.

2. E.O. B-40-11, CNG/Diesel & LNG/Diesel
(RESCINDED, SEE CLEAN AIR POWER E.O. B-57-6)

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>	<u>System</u>
Caterpillar	1CPXH0629ERK	HDE	bi-fuel

3. E.O. B-40-12, CNG/Diesel & LNG/Diesel
(RESCINDED, SEE CLEAN AIR POWER E.O. B-57-7)

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>	<u>System</u>
Caterpillar	1CPXH0729ERK	HDE	bi-fuel

C. Clean Air Power

1. E.O. B-57-3, CNG/Diesel & LNG/Diesel

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>	<u>System</u>
Caterpillar	1CPXH0893ERK	HDE	bi-fuel

2. E.O. B-57-5, CNG/Diesel & LNG/Diesel

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>	<u>System</u>
Caterpillar	1CPXH0442HRK	HDE	bi-fuel

3. E.O. B-57-6, CNG/Diesel & LNG/Diesel

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>	<u>System</u>
Caterpillar	1CPXH0629ERK	HDE	bi-fuel

4. E.O. B-57-7, CNG/Diesel & LNG/Diesel

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>	<u>System</u>
Caterpillar	1CPXH0729ERK	HDE	bi-fuel

2000 MODEL-YEAR RETROFIT SYSTEM CERTIFICATION (As of May 15, 2012)

A. Baytech Corporation - E.O. B-41-10, CNG

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>	<u>System</u>
General Motors	YGMXH05.7582	MDE, Tier 1	dedicated/dual fuel

B. Power Systems Associates

1. E.O. B-49-7, CNG/Diesel & LNG/Diesel

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>	<u>System</u>
Caterpillar	YCPXHO629ERK	HDE	bi-fuel

2. E.O. B-49-10, CNG/Diesel & LNG/Diesel

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>	<u>System</u>
Caterpillar	YCPXHO729ERK	HDE	bi-fuel

2000 MODEL-YEAR RETROFIT SYSTEM CERTIFICATION (As of May 15, 2012) Cont.

- B. Power Systems Associates (Continued)
3. E.O. B-49-13, CNG/Diesel & LNG/Diesel
- | <u>Vehicle Make</u> | <u>Engine Family</u> | <u>Vehicle Class</u> | <u>System</u> |
|---------------------|----------------------|----------------------|---------------|
| Caterpillar | YCPXHO442HRK | HDE | bi-fuel |
- C. IMPCO Technologies, Inc. - E.O. B-4-74, LPG
- | <u>Vehicle Make</u> | <u>Engine Family</u> | <u>Vehicle Class</u> | <u>System</u> |
|---------------------|----------------------|----------------------|---------------|
| General Motors | YGMXH07.4502 | HDE, Tier 1 | dedicated |
- D. Clean Air Power – E.O. B-57-2, CNG/Diesel & LNG/Diesel
- | <u>Vehicle Make</u> | <u>Engine Family</u> | <u>Vehicle Class</u> | <u>System</u> |
|---------------------|----------------------|----------------------|---------------|
| Caterpillar | YCPXH0893ERK | HDE | bi-fuel |

1999 MODEL-YEAR RETROFIT SYSTEM CERTIFICATION (As of May 15, 2012)

- A. Baytech Corporation - E.O. B-41-9, CNG
- | <u>Vehicle Make</u> | <u>Engine Family</u> | <u>Vehicle Class</u> | <u>System</u> |
|---------------------|----------------------|----------------------|---------------------|
| General Motors | XGMXH05.7582 | MDE, Tier 1 | dedicated/dual fuel |
- B. IMPCO Technologies, Inc. - E.O. B-4-73, LPG
- | <u>Vehicle Make</u> | <u>Engine Family</u> | <u>Vehicle Class</u> | <u>System</u> |
|---------------------|----------------------|----------------------|---------------|
| General Motors | XGMXH07.4502 | HDE, Tier 1 | dedicated |
- C. Power Systems Associates, Inc.
1. E.O. B-49-8, CNG/Diesel & LNG/Diesel
- | <u>Vehicle Make</u> | <u>Engine Family</u> | <u>Vehicle Class</u> | <u>System</u> |
|---------------------|----------------------|----------------------|---------------|
| Caterpillar | XCPXHO629ERK | HDE | bi-fuel |
2. E.O. B-49-11, CNG/Diesel & LNG/Diesel
- | <u>Vehicle Make</u> | <u>Engine Family</u> | <u>Vehicle Class</u> | <u>System</u> |
|---------------------|----------------------|----------------------|---------------|
| Caterpillar | XCPXHO729ERK | HDE | bi-fuel |
3. E.O. B-49-14, CNG/Diesel & LNG/Diesel
- | <u>Vehicle Make</u> | <u>Engine Family</u> | <u>Vehicle Class</u> | <u>System</u> |
|---------------------|----------------------|----------------------|---------------|
| Caterpillar | XCPXHO442HRK | HDE | bi-fuel |
- D. Clean Air Power – E.O. B-57-1, CNG/Diesel & LNG/Diesel
- | <u>Vehicle Make</u> | <u>Engine Family</u> | <u>Vehicle Class</u> | <u>System</u> |
|---------------------|----------------------|----------------------|---------------|
| Caterpillar | XCPXH0893ERK | HDE | bi-fuel |

1998 MODEL-YEAR RETROFIT SYSTEM CERTIFICATION (As of May 15, 2012)

- A. Baytech Corporation - E.O. B-41-8, CNG
- | <u>Vehicle Make</u> | <u>Engine Family</u> | <u>Vehicle Class</u> | <u>System</u> |
|---------------------|----------------------|----------------------|---------------------|
| General Motors | WGMXH05.7582 | MDE, Tier 1 | dedicated/dual fuel |

1998 MODEL-YEAR RETROFIT SYSTEM CERTIFICATION (As of May 15, 2012) Cont.

B.	Power Systems Associates, Inc.			
	1. E.O. B-49-9, CNG/Diesel & LNG/Diesel			
	<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>	<u>System</u>
	Caterpillar	WCPXHO629ERK	HDE	bi-fuel
	2. E.O. B-49-12, CNG/Diesel & LNG/Diesel			
	<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>	<u>System</u>
	Caterpillar	WCPXHO729ERK	HDE	bi-fuel
	3. E.O. B-49-15, CNG/Diesel & LNG/Diesel			
	<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>	<u>System</u>
	Caterpillar	WCPXHO442HSK	HDE	bi-fuel
	4. E.O. B-49-16, CNG/Diesel & LNG/Diesel			
	<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>	<u>System</u>
	Caterpillar	WCPXHO442HRK	HDE	bi-fuel
C.	Clean Air Power – E.O. B-57, CNG/Diesel & LNG/Diesel			
	<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>	<u>System</u>
	Caterpillar	WCPXH0893ERK	HDE	bi-fuel

1997 MODEL-YEAR RETROFIT SYSTEM CERTIFICATION (As of May 11, 1999)

A.	Impco Technologies, Inc. - E.O. B-4-70, LPG			
	<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>	<u>System</u>
	General Motors	VGM7.0C5GAAA	HDE	dedicated
B.	Power Systems Associates, LLC.			
	1. E.O. B-49-5, CNG/Diesel & LNG/Diesel			
	<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>	<u>System</u>
	Caterpillar	VCP629EZDARX	HDE	bi-fuel
	2. E.O. B-49-6, CNG/Diesel & LNG/Diesel			
	<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>	<u>System</u>
	Caterpillar	VCP442DZDARK	HDE	bi-fuel
C.	Baytech Corporation - E.O. B-41-7, CNG			
	<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>	<u>System</u>
	General Motors	VGM5.7CPGAEA	MDE, Tier 1	dedicated/dual fuel

1996 MODEL-YEAR RETROFIT SYSTEM CERTIFICATIONI. CERTIFIED TO NEW REGULATIONS (As of December 16, 1997)

A. GFI Controls

1. E.O. B-16-28, B-16-29, CNG

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>	<u>System</u>
General Motors	TGM7.0C5GAAA	HDE	dedicated
General Motors	TGM7.4C5GAEA	HDE	dedicated

2. E.O. B-16-30, B-16-31, B-16-32, CNG

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>	<u>System</u>
Ford	TFM4.958GKJK	MDV	dual fuel
Ford	TFM4.968GKJK	MDV	dual fuel
Ford	TFM2.0VJG1EK	PC	dual fuel

B. Power Systems Associates, LLC.

1. E.O. B-49, CNG/Diesel & LNG/Diesel

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>	<u>System</u>
Caterpillar	TCP629EZDARK	HDE	bi-fuel

2. E.O. B-49-4, CNG/Diesel & LNG/Diesel

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>	<u>System</u>
Caterpillar	TCP629EZDARM	HDE	bi-fuel

C. Impco Technologies, Inc. - E.O. B-4-69, LPG

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>	<u>System</u>
General Motors	TGM7.0C5GAAA	HDE	dedicated

1996 MODEL-YEAR RETROFIT SYSTEM CERTIFICATIONII. CERTIFIED TO OLD REGULATIONS (As of April 10, 1997)

A. GFI Controls

1. E.O. B-16-25, CNG

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>	<u>System</u>
Ford	TFM3.018G1EK	LDT1, Tier 1	dual fuel
General Motors	TGM5.7CPGAEA	MDE, Tier 1	dual fuel
Ford	TFM7.5C8GARA	HDE	dedicated/dual fuel

2. E.O. B-16-33, LPG

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>	<u>System</u>
General Motors	TGM7.4C5GAEA	HDE	dedicated/dual fuel

1996 MODEL-YEAR RETROFIT SYSTEM CERTIFICATION (Continued)II. CERTIFIED TO OLD REGULATIONS (As of April 10, 1997) Continued

B. Baytech Corporation - E.O. B-41-6, CNG

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>	<u>System</u>
General Motors	TGM5.76PGFEK	MDV, Tier 1	dedicated/dual fuel
General Motors	TGM5.7CPGAEA	HDE	dedicated/dual fuel
General Motors	TGM7.0C5GAAA	HDE	dedicated/dual fuel

1995 MODEL-YEAR RETROFIT SYSTEM CERTIFICATIONI. CERTIFIED TO NEW REGULATIONS (As of July 27, 1998)

A. GFI Controls

1. E.O. B-16-17 & B-16-19, CNG

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>
Ford	SFM4.988GOJA	MDV, Tier 0
Ford	SFM4.988GAJA	LDT, AB965

2. E.O. B-16-26, B-16-27, CNG

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>	<u>System</u>
General Motors	SGM7.0C5GAAA	HDE	dedicated
General Motors	SGM7.4C5GAEA	HDE	dedicated

B. Clean Air Partners, Inc. - E.O. B-40-3, CNG

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>
General Motors	SGM4.3C5GAAA	MDE

C. Impco Technologies, Inc.

1. E.O. B-4-68, LPG

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>	<u>System</u>
General Motors	SGM7.0C5GAAA	HDE	dedicated

2. E.O. B-4-71, LPG

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>	<u>System</u>
General Motors	S3G5.7J5G1EA	MDV3, Tier 1	dedicated

D. Mesa Environmental

1. GEM System - E.O. B-34-11, CNG

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>	<u>System</u>
General Motors	S3G4.3H5G1EA	MDV2, Tier 1	dedicated

2. GEM System - E.O. B-34-12, B-34-13, B-34-14, B-34-15, CNG

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>	<u>System</u>
Ford	SFM7.5B8G1CA	MDE4, Tier 1	dedicated
Ford	SFM7.5B8GACA	MDE4, Tier 0	dedicated
Ford	SFM7.5B8GACA	MDE4, Tier 0	dual fuel
Ford	SFM7.5B8G1CA	MDE4, Tier 1	dual fuel

1995 MODEL-YEAR RETROFIT SYSTEM CERTIFICATION ContinuedI. CERTIFIED TO NEW REGULATIONS (As of July 27, 1998) Continued

E. Power Systems Associates, LLC. - E.O. B-49-1, CNG/Diesel & LNG/Diesel

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>	<u>System</u>
Caterpillar	SCP629EZDARK	HDE	bi-fuel

1995 MODEL-YEAR RETROFIT SYSTEM CERTIFICATIONII. CERTIFIED TO OLD REGULATIONS (As of July 27, 1998)

A. GFI Controls

1. E.O. B-16-22, CNG

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>
General Motors	S1G4.3V8G1EA	PC, Tier 1
General Motors	S3G4.329GFHB	LDT, Tier 1
General Motors	S3G5.785GBEB	MDV, Tier 1
General Motors	SGM7.0C5GAAA	HDE, Tier 0
Ford	SFM4.9H8G1JA	LDT, Tier 1
Ford	SFM4.9J8G1JA	MDV, Tier 1
Chrysler	SCR3.3V8GFEA	PC, Tier 1
Chrysler	SCR23928G1FA	LDT, Tier 1
Chrysler	SCR360J8G1FA	MDV, Tier 1

2. E.O. B-16-24, LPG

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>
General Motors	S3G5.7H5G0EA	LDT, Tier 0
General Motors	S3G4.329GFHB	LDT, Tier 1
General Motors	SGM7.0C5GAAA	HDE, Tier 0
General Motors	SGM7.4C5GAEA	HDE, Tier 0
General Motors	SGM5.7C5GAAA	HDE, Tier 0
Ford	SFM5.088G0JA	LDT, Tier 0
Ford	SFM7.5B8GACA	HDE, Tier 0
Ford	SFM7.5B8G1CA	HDE, Tier 0

B. Impco Technologies, Inc.

1. AFE System - E.O. B-4-52, CNG

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>
General Motors	S3G5.7J5G1EA	MDV, Tier 1

2. ADP System - E.O. B-4-54, CNG (B-4-54 was superseded by B-4-56.)

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>
General Motors	S3G5.7J5G1EA	MDV, Tier 1
General Motors	S3G5.7H5G0EA	MDV, Tier 0
General Motors	S3G4.3H5G1EA	MDV, Tier 1
Ford	SFM4.9H8G1JA	MDV, Tier 1

1995 MODEL-YEAR RETROFIT SYSTEM CERTIFICATION ContinuedII. CERTIFIED TO OLD REGULATIONS (As of July 27, 1998) Continued

B. Impco Technologies, Inc. (Continued)

3. ADP System - E.O. B-4-56, CNG

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>
General Motors	S3G5.7H5G0EA	MDV, Tier 0
General Motors	S3G4.3H5G1EA	MDV, Tier 1
Ford	SFM4.9H8G1JA	MDV, Tier 1

4. AFE System - E.O. B-4-55, CNG

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>
General Motors	S3G5.785GBEB	MDV, Tier 1

5. ADP System - E.O. B-4-72, LPG

<u>Vehicle</u>	<u>Engine Family</u>	<u>Vehicle Class</u>	<u>System</u>
Ford	SFM5.8H8G1EA	MDV, Tier 1	dedicated/
	SFM4.9H8G1JA	MDV, Tier 1	dual fuel

C. Mesa Environmental

1. GEM TBI System - E.O. B-34-16, CNG

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>	<u>System</u>
General Motors	SGM5.7C5GAAA	MDE, HDE	dedicated/ Dual fuel

2. GEM MPI System - E.O. B-34-8, CNG

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>	<u>System</u>
Ford	SFM7.5B8GACA	MDE	dedicated
Ford	SFM7.5B8G1CA	MDE	dedicated

D. Baytech Corp. - E.O. B-41-3, CNG

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>
General Motors	SGM5.7C5GAAA	HDE, Tier 0
General Motors	S3G5.7J5G1EA	MDV, Tier 1
General Motors	S3G4.315GEEA	LDT, Tier 1

E. OHG, Inc. - E.O. B-13-9, LPG

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>
General Motors	S3G4.3H5G1EA	MDV, Tier 1
General Motors	S3G4.329GFHB	LDT, Tier 1
General Motors	S3G5.7H5G0EA	LDT, Tier 0
General Motors	S3G5.785GBEB	MDV, Tier 1
General Motors	SGM7.0C5GAAA	HDE, Tier 0
General Motors	SGM7.4C5GAEA	HDE, Tier 0
General Motors	S3G4.325GEEA	LDT, Tier 1

1995 MODEL-YEAR RETROFIT SYSTEM CERTIFICATION ContinuedII. CERTIFIED TO OLD REGULATIONS (As of July 27, 1998) Continued

E. OHG, Inc. - E.O. B-13-9, LPG (Continued)

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>
Ford	SFM5.8H8G1EA	MDV, Tier 1
Ford	SFM5.8J8G1EB	MDV, Tier 1
Ford	SFM7.5C8GARA	HDE, Tier 0
Ford	SFM7.5C8GACA	HDE, Tier 0
Ford	SFM5.8B8GACA	HDE, Tier 0
Chrysler	SCR360J8G1FA	MDV, Tier 1

1994 MODEL-YEAR RETROFIT SYSTEM CERTIFICATIONI. CERTIFIED TO NEW REGULATIONS (As of December 16, 1997)

A. GFI Controls - E.O. B-16-16 & B-16-18, CNG

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>
Ford	RFM4.988GOJA	MDV, Tier 0
Ford	RFM4.988GAJA	LDT, AB965

B. Clean Air Partners, Inc. - E.O. B-40-2, CNG

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>
General Motors	RGM4.3C5GAAA	HDE

C. OHG, Inc. - E.O. B-13-10, LPG

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>
General Motors	R3G4.325G1EA	LDT, Tier 1

D. Impco Technologies, Inc. - E.O. B-4-67, LPG

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>	<u>System</u>
General Motors	RGM7.0C5GAAA	HDE	dedicated

E. Power Systems Associates, LLC. - E.O. B-49-2, CNG/Diesel & LNG/ Diesel

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>	<u>System</u>
Caterpillar	RCP629EZDARA	HDE	bi-fuel

1994 MODEL-YEAR RETROFIT SYSTEM CERTIFICATIONII. CERTIFIED TO OLD REGULATIONS (As of June 27, 1995)

A. GFI Controls - E.O. B-16-10, CNG

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>
Chrysler	RCR3.3V8GFEA	PC, Tier 1
Chrysler	RCR5.288GAEA	LDT, AB 965
Chrysler	RCR36088GOEA	LDT/MDV, Tier 0

1994 MODEL-YEAR RETROFIT SYSTEM CERTIFICATION Continued

II. CERTIFIED TO OLD REGULATIONS (As of June 27, 1995) Continued

A. GFI Controls - E.O. B-16-10, CNG (Continued)

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>
Ford	RFM3.0V8G1EA	PC, Tier 1
Ford	RFM3.018G1EA	LDT, Tier 1
Ford	RFM3.8V8G1GA	PC, Tier 1
Ford	RFM4.018G1EA	LDT, Tier 1
Ford	RFM5.888GOJA	MDV, Tier 0
Ford	RFM7.5B8GACA	HDE
General Motors	R1G2.2V7GEEA	PC, Tier 1
General Motors	R1G3.1V8GFEA	PC, Tier 1
General Motors	R3G4.375GAEA	LDT, Tier 0
General Motors	R3G4.385GAEB	LDT/MDV, Tier 0
General Motors	R3G4.385GAEA	LDT/MDV, Tier 0
General Motors	R3G5.725G1EA	LDT, Tier 1
General Motors	R3G5.785GAEB	MDV, Tier 0
General Motors	RGM7.0C5GAAA	HDE

B. Impco Technologies, Inc.

1. ADP System – E.O. B-4-48, CNG

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>
Ford	RFM3.8V8G1GA	PC, Tier 1
Ford	RFM4.988GAJA	LDT, AB965
Ford	RFM4.988GOJA	LDT, Tier 0
Ford	RFM5.888GOJA	MDV, Tier 0
General Motors	R3G4.385GAEA	LDT/MDV, Tier 0
General Motors	R3G4.385GAEB	LDT/MDV, Tier 0
General Motors	R3G4.375GAEA	LDT, Tier 0
General Motors	R3G5.725G1EA	LDT, Tier 1
General Motors	R3G5.785GAEB	MDV, Tier 0
General Motors	RGM5.7C5GAAA	HDE

2. ADP System - E.O. B-4-49, LPG

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>
Ford	RFM4.988GOJA	LDT, Tier 0
Ford	RFM5.888GOJA	MDV, Tier 0
Ford	RFM4.988GAJA	LDT, AB965
Ford	RFM3.8V8G1GA	PC, Tier 1
General Motors	R3G4.385GAEA	LDT/MDV, Tier 0
General Motors	R3G4.385GAEB	LDT/MDV, Tier 0
General Motors	R3G4.375GAEA	LDT, Tier 0
General Motors	R3G5.725G1EA	LDT, Tier 1
General Motors	R3G5.785GAEB	MDV, Tier 0
General Motors	RGM5.7C5GAAA	HDE

1994 MODEL-YEAR RETROFIT SYSTEM CERTIFICATION Continued

II. CERTIFIED TO OLD REGULATIONS Continued

B. Impco Technologies, Inc. (Continued)

3. AFE System - E.O. B-4-50, CNG

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>
General Motors	R3G5.725G1EA	LDT, Tier 1
General Motors	R3G5.785GAEB	MDV, Tier 0
General Motors	RGM5.7C5GAAA	HDE

C. OHG, Inc. - E.O. B-13-8, LPG

<u>Vehicle Make</u>	<u>Engine Family</u>	<u>Vehicle Class</u>
Chrysler	RCR36088GOEA	LDT/MDV, Tier 0
Ford	RFM5.888GOJA	MDV, Tier 0
General Motors	R3G5.785GAEB	MDV, Tier 0
General Motors	RGM7.0C5GAAA	HDE
General Motors	RGM7.4C5GAEA	HDE

Nomenclature: PC - passenger car LDT - light-duty truck MDV - medium-duty vehicle

HDE/MDE - heavy-duty or medium duty engine

Tier 1 - certified to more stringent emission standards for that model year

Tier 0 - certified to less stringent standards for that model year

AB 965 - certified to federal emission standards

Definitions: Dedicated - operates on only fuel listed

Dual Fuel - operates on alternative fuel listed or gasoline separately

Bi-Fuel - operates on alternative fuel listed and diesel simultaneously