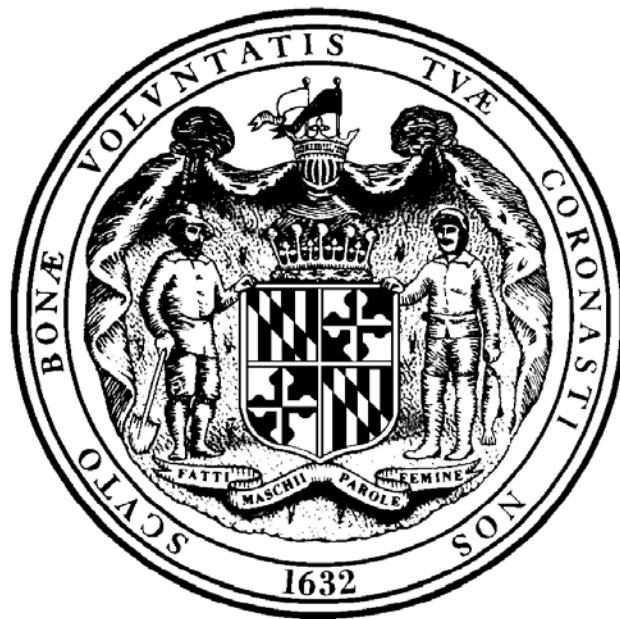


STATE OF MARYLAND
FY 2013 VEHICLE PURCHASE STANDARDS



Part I

INDEX TO PURCHASE STANDARDS FOR MARYLAND FLEET VEHICLES FY 2013

Type No.	Description	
1	-	Standard State Sedan
1-D	-	Dedicated CNG Fueled Standard State Sedan
1-E	-	Electric Sedan
1-H	-	Hybrid Sedan
1-L	-	Low Speed Fully Electric Sedan
1 P-H	-	Plug-In Hybrid Sedan
2	-	Executive Sedan
2-C	-	Flex Fueled Executive Sedan (Ethanol E-85)
2-H	-	Hybrid Executive Sedan
3-1	-	MSP Police Patrol Vehicle
3-C	-	MSP Police Patrol Vehicle (Ethanol E-85)
4-1	-	Standard Law Enforcement Sedan
4-C	-	Standard Law Enforcement Sedan (Ethanol E-85)
5-L	-	Low Speed Compact Electric Pick-up Truck
6-C	-	Flex Fueled 1/2-Ton Pick-up Truck (Ethanol E-85)
6-H	-	Hybrid 1/2-Ton Crew Cab Pick-up Truck
7	-	3/4-Ton Pick-up Truck
8	-	1-Ton Pick-up Truck Regular Cab
8-1	-	1-Ton Pick-up Truck with 4-Door Crew Cab
9	-	Part-time Four (4) Wheel Drive Compact Utility Vehicle
9 C-P	-	Front Wheel Drive Compact Utility Vehicle (Ethanol E-85)
10-1	-	Full Size Utility Vehicle Extended (Ethanol E-85)***
10-C	-	Part-time Four (4) Wheel Drive Mid Size Utility Vehicle (Ethanol E-85)
10-P	-	Full Size Utility Police Pursuit Certified Vehicle
10-H	-	Hybrid Two (2) Wheel Drive Full Size Utility Vehicle
10-M	-	Part-time Four (4) Wheel Drive Mid Size Utility Vehicle
11	-	Compact Specialty Wagon/Van
11-C	-	Five (7) Passenger Mini-Wagon (Ethanol E-85)
12	-	Full Size Eight (8) Passenger Specialty Wagon/Van
13-C	-	Full Size Eight (8) Passenger Wagon/Van (Ethanol E-85)
14-C	-	Full Size Twelve (12) Passenger Wagon/ Van (Ethanol E-85)

Part I Continued

INDEX TO PURCHASE STANDARDS FOR MARYLAND FLEET VEHICLES FY 2013

16-C	-	Flex Fueled 1/2 Ton Mini Cargo Van (Ethanol E-85)
17-1	-	Full Size 3/4-Ton Specialty Cargo Van (Diesel)
17-C	-	Full Size 3/4-Ton Cargo Van (Ethanol E-85)
18-C	-	Full Size 1-Ton Cargo Van (Ethanol E-85)
19	-	Truck - 1-Ton Regular Cab & Chassis Dump
19-A	-	Truck - 1-Ton Regular Cab & Chassis Dump w/smaller GVW
19-1	-	Truck - 1-Ton Crew Cab & Chassis Dump
19-2	-	Stake Body with Hydraulic Tailgate to fit Type 19 Cab and Chassis
19-3	-	Dump Stake Body to fit Type 19 Cab and Chassis
19-4	-	Dump Stake Body with Hydraulic Tailgate to fit Type 19 Cab and Chassis
19-5	-	12' Foot Van Body to fit Type 19 Cab and Chassis
20	-	Truck - Regular Cab and Chassis - 16,000 lbs. GVWR
20-1	-	Stake Body for Type 20 Cab and Chassis
20-2	-	Stake Body with Hydraulic Tailgate to fit Type 20 Cab and Chassis
20-3	-	Dump Stake Body to fit Type 20 Cab and Chassis
20-4	-	Dump Stake Body with Hydraulic Tailgate to fit Type 20 Cab and Chassis
20-5	-	14' Van Body to fit Type 20 Cab and Chassis
21	-	Truck - Regular Cab & Chassis Dump - 25,000 lbs. GVWR
21-2	-	Stake Body with Hydraulic Tailgate to fit Type 21 Cab and Chassis
21-3	-	Dump Stake Body to fit Type 21 Cab and Chassis
21-4	-	Dump Stake Body with Hydraulic Tailgate
21-5	-	14' Van Body to fit Type 21 Cab and Chassis
22	-	Straight Body Cargo Van
23	-	Police Motorcycle
24	-	Aerial Bucket Truck
25	-	Wrecker Truck
26	-	Client Transport Bus
27	-	Sewer Vac Truck
28	-	Road Sweeper Truck
29	-	De-icer Truck
30	-	High Speed Multi-purpose Snow Removal Trucks
31	-	Mobile Command Truck
32	-	Armored Personnel Vehicle

Part II

GUIDELINES FOR AUTHORIZATION AND USE OF STATE STANDARD VEHICLES - FY 2013

Type No.	Description
1	- Standard State Sedan - Normal staff/client transportation for driver and up to 4 passengers with limited trunk or storage space.
1-D *	- Dedicated CNG Fueled Standard State Sedan Same as Type 1 except fueled by compressed natural gas only.
1-E *	- Electric Sedan - Fully electric vehicle capable of traveling at least 30 miles between charging.
1-H *	- Hybrid Sedan – Same as Type 1 except fueled by combining a gasoline engine with a powerful electric motor.
1-L *	- Low Speed Fully Electric Sedan – Fully electric vehicle capable of traveling at least 30 miles between charging.
1 P-H *	- Plug-In Hybrid Sedan - Same as Type 1 except fueled by combining a gasoline engine with a powerful electric motor.
2	- Executive Sedan - To be used by Department Secretaries, Deputy Secretaries and Heads of major State Agencies not under a Secretariat and as approved by the Secretary of DBM.
2-C *	- Flex Fueled Executive Sedan – Same as Type 2 except may be fueled solely by ethanol (E-85), unleaded gasoline, or a mixture of the alcohol fuel and gasoline from the same tank.
2-H *	- Hybrid Executive Sedan – Same as Type 2 except fueled by combining a gasoline engine with a powerful electric motor.
3-1	- Standard Law Enforcement Sedan - For use by Maryland State Police, Department of Natural Resources Police, and line public safety functions with statutory arrest powers authorized to carry firearms and make arrests as part of routine duty.
3-C *	- Flex Fueled MSP Police Patrol Vehicle - For use by Maryland State Police, Department of Natural Resources Police, and line public safety functions with statutory arrest powers authorized to carry firearms and make arrests as part of routine duty.
4-1	- Flex-Fueled Standard Law Enforcement Sedan (AWD) - For use by Maryland State Police, Department of Natural Resources Police and other law enforcement units in line operations that require a vehicle with more capability and interior room than the Type 3-1 Standard State Sedan. Fueled by ethanol (E-85)
4-C *	- Standard Law Enforcement Sedan - For use by Maryland State Police, Department of Natural Resources Police and other law enforcement units in line operations that require a vehicle with more capability and interior room than the Type #1 Standard State Sedan. Fueled by ethanol (E-85).
5-L *	- Compact Electric Pick-up Truck – General light hauling where cargo/payload should not exceed 1,000 lbs. Not recommended for snowplow operation.
6-C *	- Flex Fueled 1/2-Ton Pick-up Truck - Fueled solely by ethanol (E-85), unleaded gasoline, or a mixture. Not recommended for snow plowing.
6-H *	- Hybrid 1/2-Ton Crew Cab Pick-up Truck – General light hauling where cargo/payload should not exceed 1,500 lbs. Option available for 4 X 4 when necessary for off-road and grounds maintenance. Not recommended for snowplow operation.
7	- 3/4-Ton Pick-up Truck – General light hauling where cargo/payload should not exceed 2,500 lbs. Option available for 4 X 4 when necessary for off-road, grounds maintenance, or snow plow operation.
8	- 1 –Ton Pick-up Truck with Regular Cab – General light hauling where cargo/payload does not exceed 3500 lbs. Option for 4 X 4 available when necessary for off road, grounds maintenance, or light snow plowing.
8-1	- 1 –Ton Pick-up Truck with Crew Cab – Same as Type 8 except equipped with a 6-man crew cab.
9	- Part-time Four (4) Wheel Drive Compact Utility Vehicle – For off-road transport and as justified based on job function and established criteria.

Part II Continued

GUIDELINES FOR AUTHORIZATION AND USE OF STATE STANDARD VEHICLES - FY 2013		
9 C-P*	-	Front Wheel Drive Utility Vehicle – For off-road transport and as justified based on job function and established criteria. May be fueled solely by ethanol (E-85), unleaded gasoline, or a mixture of the alcohol fuel and gasoline from the same tank.
10-1	-	Full Size Utility Vehicle Extended – Restricted to those agencies towing 6,000 to 8,000 pounds and carrying payloads of 1,500 pounds minimum. For special transport of equipment and as justified based on job function and established criteria. This vehicle is primarily for use by Law Enforcement.
10-C *	-	Part-time Four (4) Wheel Drive Full Size Utility Vehicle (Ethanol –E85) – Restricted to those agencies towing 6,000 to 8,000 pounds and carrying payloads of 1,300 to 1,700 pounds. For off-road transport and as justified based on job function and established criteria.
10-P *		Full Size Utility Police Pursuit Certified Vehicle – For use by law enforcement officers in pursuit possibly off-road. Not recommended for towing
10-H *		Hybrid Two (2) Wheel Drive Full Size Utility Vehicle – Same as Type 10 C-P except may be fueled by E-85 unleaded gasoline combined with a powerful electric motor. For use by law enforcement officers in pursuit possibly off-road. Not recommended for towing.
10-M *	-	Part-time Four (4) Wheel Drive Mid-Size Utility Vehicle – Recommended for towing up to 5,000 pounds and carrying payloads of 12,000. For off-road transport and as justified based on job function and established criteria.
11	-	Compact Specialty Wagon/Van – This vehicle will seat two, four, or five passengers. It has 136-hp, 2.0 liter 4 cylinder engine with automatic transmission. It has mini-van like sliding rear-side rear “barn doors” like a commercial van.
11-C *		Flex Fueled Seven (7) Passenger Mini-Wagon/Van – Passenger/client transport with more cargo space than in the Standard Sedan; may be fueled solely by ethanol (E-85), unleaded gasoline, or a mixture of the alcohol fuel and gasoline from the same tank.
12		Full Size Eight (8) Passenger Specialty Wagon/Van – Passenger/client transport powered by a diesel engine. This is a specialty vehicle for those agencies looking for a vehicle with long-term performance characteristics.
13-C *	-	Flex Fueled Full Size Eight (8) Passenger Specialty Wagon/Van – Passenger/client transport; may be fueled by ethanol (E-85), unleaded gasoline, or a mixture of the alcohol fuel and gasoline from the same tank.
14-C *	-	Flex Fueled Full-Size Twelve (12) Passenger Wagon/Van – Passenger/client transport; may be fueled by ethanol (E-85), unleaded gasoline, or a mixture of the alcohol fuel and gasoline from the same tank.
16-C *	-	Flex Fueled ½ Ton Mini Cargo Van - May be fueled solely by ethanol (E-85), unleaded gasoline, or a mixture of the alcohol fuel and gasoline from the same tank.
17-1	-	Full Size 3/4-Ton Specialty Cargo Van (Diesel) –Same as Type 17 except uses diesel fuel. General light hauling and utility work where cargo/payload does not exceed 2,300 lbs. Cargo/payload rides in same compartment as driver and passenger. Often used for building maintenance assignments where cargo/payload should not be transported in unprotected open bed pick-up trucks.
17-C *	-	Flex Fueled Full Size 3/4-Ton Cargo Van –General light hauling and utility work where cargo/payload does not exceed 2,300 lbs. Cargo/payload rides in same compartment as driver and passenger. Often used for building maintenance assignments where cargo/payload should not be transported in unprotected open bed pick-up trucks. May be fueled by ethanol (E-85), unleaded gasoline, or a mixture of the alcohol fuel and gasoline from the same tank.
18-C *	-	Flex Fueled Full Size 1-Ton Cargo Van - General light hauling and utility work where cargo/payload does not exceed 3,600 lbs. Cargo/payload rides in same compartment as driver and passenger. Often used for building maintenance assignments where cargo/payload should not be transported in unprotected open bed pick-up trucks. May be fueled by ethanol (E-85), unleaded gasoline, or a mixture of the alcohol fuel and gasoline from the same tank.
19	-	Truck - 1-Ton Dump – Regular Cab – General grounds and building maintenance such as hauling hand-loaded dirt, cinders, rock salt and debris. 4 x 4 option available when necessary for off-road operation and medium-duty snowplowing.
19-A	-	Truck - 1-Ton Dump – Regular Cab – Same as a Type 19 except it has a smaller GVW.

Part II Continued

GUIDELINES FOR AUTHORIZATION AND USE OF STATE STANDARD VEHICLES - FY 2013

Type No.		Description
19-1	-	<p>Truck - 1-Ton Crew Cab & Chassis Dump– Same as Type #19 except equipped with 6-man crew cab. Can be fitted with the following body types: Type #19-2 – Stake Body with Hydraulic Tailgate Type #19-3 – Dump Stake Body Type #19-4 – Dump Stake Body with Hydraulic Tailgate Type #19-5 – 12' Van Body with Hydraulic Lift Gate</p>
20	-	<p>Truck – Regular Cab and Chassis - 16,000 lbs. GVWR - Used for general hauling of materials loaded by hand or power shovel. Can be fitted with the following body types: Type #20-1 – Stake Body Type #20-2 – Stake Body with Hydraulic Tailgate Type #20-3 – Dump Stake Body Type #20-4 – Dump Stake Body with Hydraulic Tailgate Type #20-5 - 14' Van Body with Hydraulic Lift Gate</p>
21	-	<p>Truck – Regular Cab & Chassis Dump - 25,000- 26,000 lbs. GVWR - Used for general hauling of materials loaded by hand or power shovel. Can be used with 9' maximum width snowplow. Can be fitted with the following body types: Type #21-2 – Stake Body with Hydraulic Tailgate Type #21-3 – Dump Stake Body Type #21-4 – Dump Stake Body with Hydraulic Tailgate Type #21-5 – 14' Van Body with Hydraulic Lift Gate</p>
22	-	<p>Straight Body Cargo Van – Used for transport of general merchandise or cargo. Cab usually restricted to driver and one or two passengers. GVW, wheelbase, cab-to-axle dimension, engine horsepower, engine torque, and dimensions of the cargo box are normally determined by weight, dimension, and nature of intended cargo.</p>
23	-	<p>Police Motorcycle – Motorized vehicle for law enforcement agencies with arrest powers. Used for patrolling & other law enforcement activities.</p>
24	-	<p>Aerial Bucket Truck – Used for the installation and maintenance of overhead power lines, parking lot light standards, road signs, tree trimming or other assignments involving work at heights not normally accessible to workers using ordinary step ladders or other forms of portable scaffolding. The characteristics of the cab and chassis are determined by the boom and bucket requirements.</p>
25	-	<p>Wrecker Truck – Used for the transport or towing of other motor vehicles or other mobile equipment (e.g., bulldozers, tractors, disabled vehicles, etc.). The characteristics of the cab and chassis are determined by the size and weight of the vehicle to be transported. Loaded by hand or power shovel. Can be used with 9' maximum width snowplow.</p>
26	-	<p>Client Transport Bus – Used to transport groups of more than 15 people (patients, prisoners, etc.). The characteristics of the particular unit (e.g., seating capacity and arrangements, security screening, etc.) are determined by the mission to be accomplished.</p>
27	-	<p>Sewer Vac Truck – Used by highway maintenance facilities to remove debris from roadside drainage systems. The characteristics of the cab and chassis are determined by the requirements of the vacuuming system.</p>
28	-	<p>Road Sweeper Truck – Used by highway maintenance facilities to remove debris from roads and bridges. The characteristics of the cab and chassis are determined by the requirements of the sweeping system.</p>
29	-	<p>De-icer Truck – Used by airports to apply deicing fluid to aircraft. The characteristics of the cab and chassis are determined by the requirements of the de-icing system.</p>
30	-	<p>High Speed Multi-purpose Snow Removal Trucks – Used to remove snow from airport runways. The characteristics of the cab and chassis are determined by the requirements of the deicing system.</p>
31	-	<p>Mobile Command Truck – Used by State Law Enforcement units as a mobile command center. This will enable law enforcement units to direct operational activities from the field.</p>
32	-	<p>Armored Personnel Vehicle- Used by State Law Enforcement units to perform critical response and rescue operations in a safe, secure and highly mobile armored vehicle.</p>

*Indicates alternatively fueled vehicle. Before ordering any of these vehicles, the agency should have an implementation plan for their use approved by the agency head.

Part III

FY 2013 VEHICLE PURCHASE STANDARDS

DESCRIPTION	
Type 1 Standard State Sedan	
Style:	4-door sedan
Wheelbase:	105" minimum
Trunk Capacity:	12.8 cu.ft. minimum
Engine:	4 cylinder, 1.3L minimum displacement fuel injected gasoline - no superchargers
Transmission:	automatic
<p>Factory Air Conditioning</p> <p>Tinted Glass - all around</p> <p>Fresh air type Heater and Defroster</p> <p>Rear Window Defroster</p> <p>Left- and Right-Hand Outside Mirrors – factory installed</p> <p>Directional Signals</p> <p>Padded Dashboard</p> <p>Air bag supplemental restraint system required for driver and front seat passenger position</p> <p>Side impact air bags</p> <p>Back-up Lights</p> <p>Windshield Wiper – Washer with intermittent action feature</p> <p>Power Steering</p> <p>Power Brakes - ABS</p> <p>Radial Tires - all weather tread</p> <p>Light in Cargo Area</p> <p>AM/FM Radio</p> <p>PowerPoint</p> <p>Floor Mats</p> <p>Spare Tire with Jack</p>	
<p>Example: Chevrolet Cruz, Dodge Dart, Ford Focus</p>	

Option: Body side molding, rear seat

DESCRIPTION	
Type 1-D Dedicated CNG Fueled Standard State Sedan	
Style:	4-door sedan
Wheelbase:	103" minimum
Trunk Capacity:	4.7 cu.ft. minimum
Engine:	4 cylinder, 1.6 L minimum displacement, fueled by compressed natural gas only. Must be OEM certified to meet all applicable EPA emissions standards.
Transmission:	Automatic
CNG Fuel Tank:	Vehicle shall be capable of traveling between 175 – 200 miles between fueling stops. External fueling connection shall meet NGV-1 standard.
<p>Factory Air Conditioning</p> <p>Tinted Glass - all around</p> <p>Power Door Locks</p> <p>Fresh air type Heater and Defroster</p> <p>Rear Window Defroster</p> <p>Left- and Right-Hand Outside Mirrors - factory installed</p> <p>Directional Signals</p> <p>Padded Dashboard</p> <p>Air bag supplemental restraint system required for driver and front seat passenger position</p> <p>Back-up Lights</p> <p>Windshield Wiper – Washer with intermittent action feature</p> <p>Power Steering</p> <p>Power Brakes - ABS</p> <p>Radial Tires - all weather tread</p> <p>AM/FM Radio</p> <p>PowerPoint</p> <p>Floor Mats</p>	
Example: Honda Civic	

Option: Body side molding.

NOTE: These vehicles may have limited trunk space.

DESCRIPTION	
Type 1-E Electric Sedan	
Style:	4-door sedan
Wheelbase:	104.3" minimum
Engine:	Permanent-magnet AC-synchronous electric motor
Transmission:	Single speed automatic gearbox
Battery:	23-kilowatt-hour high voltage lithium-ion battery
Alternator:	N/A
Tires:	17" tires
Brakes:	Power 4-wheel (ABS) regenerative braking system.
Steering:	Electric power-assisted steering (EPAS)
<p>Electronic Air Conditioning with pollen air filtration</p> <p>Tinted Glass - all around</p> <p>Fresh air type Heater and Defroster</p> <p>Rear Window Defroster</p> <p>Left- and Right-Hand Outside Mirrors – remote control</p> <p>Directional Signals</p> <p>Air bag supplemental restraint system and Side air curtains</p> <p>Power operated windows and door locks, two-stage</p> <p>Windshield Wiper – Washer with intermittent action feature</p> <p>Tire mobility kit</p> <p>Tire Pressure Monitoring System (TPMS)</p> <p>Shifter – column mounted</p> <p>AM/FM stereo/ single CD player with MP3</p> <p>PowerPoints (2)</p> <p>Power locks</p> <p>Automatic head lamps</p>	
Example: Ford Focus, Nissan Leaf	

Option: Body side molding

DESCRIPTION	
Type 1-H Hybrid Standard State Sedan	
Style:	4-door sedan
Wheelbase:	100.4" minimum
Trunk Capacity:	11 cu.ft. minimum
Engine:	4 cylinder, 1.5 L minimum displacement fuel injected gasoline and an electric motor
Transmission:	Automatic
<p>Factory Air Conditioning</p> <p>Tinted Glass - all around</p> <p>Fresh air type Heater and Defroster</p> <p>Rear Window Defroster</p> <p>Left- and Right-Hand Outside Mirrors – factory installed</p> <p>Directional Signals</p> <p>Padded Dashboard</p> <p>Air bag supplemental restraint system required for driver and front seat passenger position</p> <p>Back-up Lights</p> <p>Windshield Wiper – Washer with intermittent action feature</p> <p>Power Steering</p> <p>Power Brakes - ABS</p> <p>Radial Tires - all weather tread</p> <p>Light in Cargo Area</p> <p>AM/FM Radio</p> <p>PowerPoint</p> <p>Floor Mats</p>	
Example: Toyota Prius, Honda Civic, Honda Insight, Ford C-Max	

Option: Body side molding.

NOTE: This vehicle does **not** count toward EPA requirements.

DESCRIPTION	
Type 1-L Low Speed Fully Electric Sedan	
Style:	4-door sedan
Wheelbase:	93" minimum
Seating Capacity:	4 person, inclusive of driver, minimum
Trunk Capacity:	5.9 cu.ft. minimum
Engine:	Electric motor only.
Transmission:	Direct Drive
Energy Storage	Vehicle shall be capable of traveling at least 30 miles between recharging. Included on-board charger shall allow recharging via a standard 120 volt 15 amp plug.
<p>Tinted Glass - all around</p> <p>Fresh air type Heater and Defroster</p> <p>Left- and Right-Hand Outside Mirrors – factory installed</p> <p>Directional Signals</p> <p>Back-up Beeper</p> <p>Windshield Wiper / Washer</p> <p>Radial Tires - all weather tread</p> <p>AM/FM Radio</p> <p>Floor Mats</p> <p>All Safety Features are Standard</p>	
Example: GEM (Global Electric Motor) Car	

NOTE: This vehicle does **not** count toward EPA requirements.

- Option:** AM/FM Radio
 Floor Mats
 Heater
 Hard or Soft Doors

DESCRIPTION	
Type 1-P-H Plug-In Hybrid Sedan	
Style:	4-door hatchback – Front Wheel Drive
Wheelbase:	105.7”
Seating:	Front – Cloth Bucket, Rear – Cloth 40/40 split folding, 3-point seat belts in all seating positions
Engine:	Electric drive, Voltec 149 hp motoring power. Engine Range Extender 1.4L Internal Combustion Engine. Vehicle must be able to travel 25-50 miles on battery power, using no gasoline. Total range of 379 miles using electric then gasoline.
Battery:	Propulsion Battery. Lithium-ion 16 kwh, rechargeable energy storage system with liquid thermal management system with active control. 120 volt portable charge cord included with vehicle. Can be charged with standardized 240V charging stations.
Suspension System:	Front- MacPhearson Strut, Rear- Semi-Independent Compound Crank
Tires:	P215/55R17 all-season low rolling resistance. Tire inflation kit.
Brakes:	Power 4-wheel anti lock disc brakes with electro-hydraulic power and regenerative system.
Steering:	Electric Power, rack and pinion – Tilt and telescoping steering wheel
<p>Factory Air conditioning with automatic climate control</p> <p>Air bag supplemental restraint system</p> <p>Power operated windows and door locks, with remote keyless entry system</p> <p>Cruise Control</p> <p>Fresh air type Heater and Defroster</p> <p>Left- and Right-Hand Outside Mirrors – remote control with integrated turn signals</p> <p>Solar Absorbing Glass – all around</p> <p>Windshield Wiper / Washer – multi-speed electric with intermittent feature</p> <p>Rear Window Defroster – grid type</p> <p>AM/FM/CD Radio</p> <p>Floor Mats – front and rear - carpeted</p> <p>Hood and Trunk release – inside body remote control</p> <p>Powerpoint</p> <p>Bluetooth for cell phone connectivity</p>	
Example: Chevrolet Volt	

DESCRIPTION	
Type 2 Executive Sedan	
Style:	4-door sedan
Wheelbase:	106" minimum
Trunk Capacity:	13.4 cu.ft. minimum
Engine:	6 cylinder, 2.7 L minimum displacement fuel injected gasoline - no diesel - no superchargers
Transmission:	Automatic
<p>Factory Air Conditioning</p> <p>Tinted Glass - all around</p> <p>Power Windows and Door Locks</p> <p>Fresh air type Heater and Defroster</p> <p>Rear Window Defroster</p> <p>Left and Right Hand Outside Mirrors</p> <p>Directional Signals</p> <p>Padded Dashboard</p> <p>Air bag supplemental restraint system required for driver and front seat passenger position</p> <p>Back-up Lights</p> <p>Windshield Washer</p> <p>Intermittent action Windshield Wipers</p> <p>Power Steering</p> <p>Power Brakes - ABS</p> <p>Radial Tires – all weather tread</p> <p>Light in Cargo Area</p> <p>AM/FM Stereo Radio w/Compact Disc</p> <p>PowerPoint</p> <p>Tilt Steering Wheel</p> <p>Cruise Control</p> <p>Floor Mats</p> <p>Spare Tire with jack</p>	
Example:	Ford Taurus, Chevrolet Impala, Buick Lacrosse, Dodge Charger, Chrysler 300, Chrysler Sebring, Dodge Avenger

Option: 4 Cylinder engine
Side air bags
Body side molding

DESCRIPTION

Type 2-C Flex Fueled Executive Sedan (E-85) Ethanol

Style:	4-door sedan
Wheelbase:	106" minimum
Trunk Capacity:	13.4 cu.ft. minimum
Engine:	6 cylinder, 2.7 L minimum displacement fuel injected, may be fueled solely by ethanol (E-85), unleaded gasoline, or a mixture of the alcohol fuel and gasoline from the same tank.
Transmission:	Automatic
<p>Factory Air Conditioning</p> <p>Tinted Glass - all around</p> <p>Power Windows and Door Locks</p> <p>Fresh air type Heater and Defroster</p> <p>Rear Window Defroster</p> <p>Left- and Right-Hand Outside Mirrors</p> <p>Directional Signals</p> <p>Padded Dashboard</p> <p>Air bag supplemental restraint system required for driver and front seat passenger position</p> <p>Side impact air bags</p> <p>Back-up Lights</p> <p>Windshield Washer</p> <p>Intermittent action Windshield Wipers</p> <p>Power Steering</p> <p>Power Brakes - ABS</p> <p>Radial Tires - all weather tread</p> <p>Light in Cargo Area</p> <p>AM/FM Stereo Radio w/Compact Disc</p> <p>PowerPoint</p> <p>Tilt Steering Wheel</p> <p>Cruise Control</p> <p>Floor Mats</p> <p>Spare Tire with jack</p>	
<p>Example: Chevrolet Impala, , Chrysler Sebring, Dodge Avenger, Lincoln Towncar</p>	

Option: Body side molding

DESCRIPTION

Type 2-H Hybrid Executive Sedan

Style:	4-door sedan
Wheelbase:	106" minimum
Trunk Capacity:	13.4 cu.ft. minimum
Engine:	4 cylinder, 2.0 L minimum displacement fuel injected gasoline - no diesel - no superchargers
Transmission:	Automatic

Factory Air Conditioning
 Tinted Glass - all around
 Power Windows and Door Locks
 Fresh air type Heater and Defroster
 Rear Window Defroster
 Left and Right Hand Outside Mirrors
 Directional Signals
 Padded Dashboard
 Air bag supplemental restraint system required for driver and front seat passenger position
 Back-up Lights
 Windshield Washer
 Intermittent action Windshield Wipers
 Power Steering
 Power Brakes - ABS
 Radial Tires – all weather tread
 Light in Cargo Area
 AM/FM Stereo Radio w/Compact Disc
 PowerPoint
 Tilt Steering Wheel
 Cruise Control
 Floor Mats

Example: Ford Fusion, Chevy Malibu Eco-Boost (Engine 1.8L)

Option: Body side molding

DESCRIPTION	
Type 3-1 MSP Police Patrol Vehicle (E-85) Ethanol	
Style:	4-door sedan
Wheelbase:	120.0" minimum
Engine:	Standard V-6 cylinder, 3.6 L Optional 5.7-lHemi V-8 with Multi-Displacement System
Transmission:	5-speed automatic, with overdrive plus AutoStick
Cooling System:	Severe-duty cooling system
Battery:	800 cold cranking amps
Alternator:	160 amp minimum
Suspension System:	4-wheel independent performance suspension
Tires:	P 225/60R18 BSW V-rated performance
Wheels:	18" with 7.5" steel wheel
Brakes:	4-wheel disc heavy-duty anti-lock brakes with all-speed traction control
Steering:	Police performance-tuned steering
Seating:	Heavy Duty Cloth Bucket seats with manual lumbar and fixed rear cloth bench seat 3 point Seatbelt-Front-Height adjustable, outboard shoulder belts, 3 point Rear-Non-Height adjustable shoulder belts
<p>Factory Air Conditioning</p> <p>Sunscreen Glass - all around</p> <p>Fresh air type Heater and Defroster</p> <p>Air bag supplemental restraint system required for driver and front seat passenger positions</p> <p>Rear Window Defroster - grid type electric</p> <p>Power operated Windows and Door Locks</p> <p>Child Safety Locks</p> <p>Rear windows inoperative from rear seat</p> <p>Left- and Right-Hand Outside Mirrors - remote control</p> <p>Mirror - inside, center rear view - day/night outside, dual power</p> <p>Directional Signals</p> <p>Windshield Washer</p> <p>Windshield Wiper – two-speed with speed-sensitive intermittent modes</p> <p>Hood and Trunk release-inside body remote control</p> <p>Roof Reinforcement</p> <p>Lights – Exterior- Quad halogen headlamps with automotive off feature, tail lamps and center high-mounted stop Lamp.</p>	

Type 3-1 MSP Police Patrol Vehicle (cont'd)

- Interior-dual front map lamps, rear ready/courtesy lamps above each door, trunk lamp
- Engine Compartment – under hood lamp
- Deactivated Dome light switch
- Stealth mode switch
- Left-hand Spot Lamp - factory installed - Unity Model Series 330-battery fed – individually fused on marked units and unmarked units

Gauges - Competition style instrument gauges for fuel, speedometer, tachometer and temperature.

Speedometer - 0-160 mph in 1 mph increments (certified calibration) with trip odometer.

Vinyl floor - front and rear – heavy duty - rubber or vinyl

Full Wheel Covers

Additional power supply wiring as specified by using agency

Am/Fm radio with compact disc player

Single Key Locking System –with 2 keys supplied w/each vehicle and all vehicles keyed differently

Full size spare tire

Example: Dodge Charger

- Option:** Heated outside mirrors
Rear inside door locks and handles deactivated
Dark Car Feature
Body side molding

DESCRIPTION	
Type 3-C Flex-Fueled Standard Law Enforcement Sedan (RWD) (E-85) Ethanol	
Style:	4-door sedan Rear Wheel Drive
Wheelbase:	118.5" minimum
Engine:	8 cylinder, 6.0 L V8, fuel injected – naturally aspirated- (no supercharger) capable of unrestricted operation on 87 octane unleaded gasoline or E-85 ethanol.
Transmission:	6-speed automatic electronically controlled
Battery:	700 cold cranking amps minimum
Alternator:	170 amp minimum
Suspension System:	Heavy duty police 4-wheel independent with coil springs, front and rear stabilizer bars. Patrol vehicle specific shock, spring and stabilizer bar tuning. Limited slip rear differential.
Tires:	Speed rated radial, P235/50R18 blackwall with compact spare. Full size spare available as option.
Brakes:	Power 4 wheel anti-lock heavy-duty disc brakes with police calibration.
Steering:	Power – rack and pinion - Tilt and telescoping steering wheel
Seating:	Front - Heavy Duty Cloth Bucket Rear - Heavy Duty Cloth or Vinyl Bench 3 point seat belts in all seating positions
<p>Factory Air Conditioning with pollen air filtration</p> <p>Tinted Glass - all around</p> <p>Fresh air type Heater and Defroster</p> <p>Air bag supplemental restraint system required for driver and front seat passenger positions</p> <p>Rear Window Defroster - grid type</p> <p>Power operated Windows and Door Locks</p> <p>Left- and Right-Hand Outside Mirrors - remote control</p> <p>Rear seat Windows and Door Locks</p> <p>Mirror - inside, rear view - day/night</p> <p>Directional Signals</p> <p>Windshield Washer/Wiper – multi –speed electric with intermittent feature</p> <p>Hood and Trunk Release – inside body remote control</p> <p>Roof Reinforcement</p> <p>Left-hand Spotlamp – 5” diameter minimum Available as an option</p> <p>Map Light mounted on windshield header</p> <p>Floor Mats – front and rear – heavy duty rubber or vinyl</p> <p>Full wheel covers and standard hub covers generally provided with police packages</p>	

Radio Noise Suppression Package

Type 3-C Flex Fueled Standard Law Enforcement Sedan (RWD) (E-85) Ethanol (cont'd)

Power Point
 AM/FM Radio
 Additional wiring for grill lights, siren, and lightbar to be coordinated with using agency
 110-amp main power supply wiring at instrument panel and trunk
 "Certified" 160 mph Speedometer with Trap Speed Memory

Example: Ford Crown Victoria, Chevrolet Caprice

Option: V-6 Engine

DESCRIPTION	
Type 4-1 Flex-Fueled Standard Law Enforcement Sedan (AWD) (E-85) Ethanol	
Style:	4-door sedan All Wheel Drive
Wheelbase:	112.9" minimum
Engine:	6 cylinder, 3.5L V6, fuel injected
Transmission:	6-speed automatic electronically controlled
Battery:	750 cold cranking amps with rundown protection.
Alternator:	220 amps minimum
Suspension System:	Heavy duty police – independent MacPherson strut w/front stabilizer bar. Spring – helical coil-over-shock, shock: coil-over-shock design w/gas pressure hydraulic. Rear, Independent multilink w/stabilizer bar attached to separate subframe; spring: coil-over-shock; coil-over-shock design w/gas-pressure hydraulic.
Tires:	Speed rated radial, P245/55R18 A/S BSW with full size spare/wheel.
Brakes:	Power 4 wheel anti-lock heavy-duty disc brakes with police calibration.
Steering:	Power – rack and pinion – Electric (EPAS), tilt steering wheel/Telescope steering
Seating:	Front - Heavy Duty Cloth Bucket Rear - Heavy Duty Vinyl Bench 3 point seat belts in all seating positions

Factory Air Conditioning with pollen air filtration
 Tinted Glass - all around
 Fresh air type Heater and Defroster
 Air bag supplemental restraint system required for driver and front seat passenger positions
 Rear Window Defroster
 Power operated Windows and Door Locks, two-stage
 Left- and Right-Hand Outside Mirrors - remote control
 Rear seat Windows and Door Locks operable from driver position only
 Mirror – exterior dual power, manual folding w/integrated blind spot mirrors
 Directional Signals
 Windshield Washer/Wiper – multi –speed electric with intermittent feature
 Hood and Trunk Release – inside body remote control – key on only
 Roof Reinforcement
 Left-hand Spotlamp
 Dome lamp – red/white
 Full Size Spare tire/wheel
 Tire Pressure Monitoring System (TPMS)
 SOS Post Crash alert system
 Floor- Heavy duty Thermoplastic Elastomer (vinyl)

Type 4-1 Flex-Fueled Standard Law Enforcement Sedan (AWD) (E-85) Ethanol (cont'd)

Seats: driver 6-way power; Passenger 2-way manual w/manual recline
Hub covers generally provided with police packages, Full wheel covers optional
 Shifter – Column mounted
 Simple fleet key
 Single key locking system
Radio Noise Suppression Package -Option
 Power Point
 AM/FM Radio
Additional wiring for grill lights, siren, and lightbar to be coordinated with using agency - Option
 100-amp main power supply wiring in trunk
 “Certified” Speedometer

Example: Ford Police Interceptor

Option: Dark Car Feature
 4 Cylinder Eco-Boost

DESCRIPTION

Type 4-C Standard Law Enforcement Sedan (E-85) Ethanol

Style:	4-door sedan
Wheelbase:	106" minimum
Engine:	6 cylinder, 3.1 L minimum displacement, fuel injected - naturally aspirated - (no supercharger) capable of unrestricted operation on 87 octane unleaded gasoline. To be equipped with auxiliary oil cooler.
Transmission:	4 speed automatic. To be equipped with auxiliary oil cooler. Selector lever to be mounted on steering column, not on floor.
Battery:	600 cold cranking amps minimum
Alternator:	105 amp minimum
Suspension System:	Heavy duty police - front and rear
Tires:	Speed rated radial, all weather tread must meet Department of Maryland State Police tire specifications
Brakes:	Power ABS 4 wheel disc
Steering:	Power - tilt
Seating:	Front - Heavy Duty Cloth Bucket Rear - Heavy Duty Vinyl Cloth Bench

	3 point seat belts in outboard front seating positions
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Factory Air Conditioning

Air bag supplemental restraint system required for driver and front seat passenger positions

Power operated Windows and Door Locks

Rear seat Windows and Door Locks operable from driver position only

Left- and right-hand outside Mirrors – remote control

Tinted Glass - all around

Heater and Defroster - fresh air type

Rear Window Defroster - Grid type

Directional Signals

Windshield Washer

Windshield Wiper - multi-speed electric with intermittent action feature

Hood and Trunk Release - inside body remote control

Roof Reinforcement

Left-hand spot lamp - 5" dia. minimum

Type 4-C Standard Law Enforcement Sedan (E-85) Ethanol (cont'd)

Map Light mounted on Windshield Header

Floor Covering - front and rear - heavy duty rubber or vinyl

Full wheel covers or standard hub covers generally provided with police packages.

Radio Noise Suppression Package

PowerPoint

AM/FM Radio

Additional wiring for grill lights, siren, and light bar to be coordinated with using agency

Radio tray under the package deck – available as an option to be specified by using agency

Example: Chevrolet Impala

Option: Body side molding
Dark Car Feature

DESCRIPTION	
Type 5-L Compact Electric Pick-up Truck	
Style:	2-Door
Payload:	1,000 lb. Minimum
Seating Capacity:	2 person, inclusive of driver, minimum
Wheelbase:	103" minimum
Trunk Capacity:	84" x 50" minimum
Engine:	72 Volt A/C Electric motor only.
Transmission:	Automatic
Energy Storage	Vehicle shall be capable of traveling at least 30 miles between recharging. Included on-board charger shall allow recharging via a standard 120 volt 15 amp plug.
Tires:	Radial tires – all weather tread
Brakes:	Four (4) wheel brakes
Steering:	Power
Mirrors:	Left and Right Outside Mirrors – Factory installed
Bumpers:	Front and Rear, factory installed step bumper on rear
Seating:	Vinyl or cloth
<p>Tinted Glass – all around</p> <p>Dual Sun Visors</p> <p>Driver side Air Bag Supplemental Restraint System</p> <p>Heater/Defroster - fresh air type</p> <p>Rear Window Defroster</p> <p>Door Locks</p> <p>Padded Dashboard</p> <p>Directional Signals</p> <p>Back-up Lights</p> <p>Windshield Wiper - Washer with intermittent action feature</p> <p>Light in Cargo Area</p> <p>PowerPoint</p> <p>Floor Mats</p> <p>AM/FM Stereo Radio</p> <p>Meet or exceed NHTSA –FMVSS regulation 500 low speed vehicle standards</p>	
<p>Example: Mile Electric, Zenn, GEM, Vantage</p>	

NOTE: Not recommended for snowplow applications.

Option: Factory Air Conditioning

DESCRIPTION	
Type 6-C Flex Fueled 1/2-Ton Pick-up Truck (E-85) Ethanol	
Payload:	1,500 lb. minimum
GVW:	5,000 lb. minimum
Wheelbase:	127" minimum
Engine:	8 cylinder, 4.7 L V8 minimum displacement, fueled by ethanol (E-85), unleaded gasoline, or a mixture of the alcohol fuel and gasoline from the same tank.
Transmission:	Automatic
Battery:	600 cold cranking amps minimum
Alternator:	90 amp minimum
Axles and Springs:	To meet payload
Shock Absorbers:	Front and Rear
Tires:	Manufacturer's standard radial to meet payload with conventional spare wheel and tire
Brakes:	Power with 4 wheel ABS
Steering:	Power
Fuel Tank:	Standard
Mirrors:	Dual - factory installed - low mount 5.5" X 8.5" minimum
Bumpers:	Front and Rear, factory installed step bumper on rear
Seating:	Vinyl
Body:	8' minimum with wheel well inside body
Factory Air Conditioning Tinted Glass Dual Sun Visors Driver side Air Bag Supplemental Restraint System Heater/Defroster – fresh air type Directional Signals Windshield Wiper/Washer - multi-speed electric with intermittent action feature PowerPoint AM/FM Stereo Radio	
Example: Chevrolet C-1500, GMC C-1500, Dodge Ram 1500, Ford F-150	

NOTE: Not recommended for snowplow applications.

DESCRIPTION	
Type 6-H Hybrid 1/2-Ton Crew Cab Pick-up Truck	
Payload:	1,500 lb. minimum
GVW:	5,000 lb. minimum
Wheelbase:	127" minimum
Engine:	8 cylinder, 3.7 L minimum displacement, gasoline, fuel injected, naturally aspirated (no diesel, no supercharger)
Transmission:	Automatic
Battery:	600 cold cranking amps minimum
Alternator:	90 amp minimum
Axles and Springs:	To meet payload
Shock Absorbers:	Front and Rear
Tires:	Manufacturer's standard radial to meet payload with conventional spare wheel and tire
Brakes:	Power with 4 wheel ABS
Steering:	Power
Fuel Tank:	Standard
Mirrors:	Dual – factory installed - low mount 5.5" x 8.5" minimum
Bumpers:	Front and Rear, factory installed step bumper on rear
Seating:	Vinyl
Body:	5.75' minimum w/wheel well inside body
Factory Air Conditioning Tinted Glass Dual Sun Visors Driver side Air Bag Supplemental Restraint System Heater/Defroster - fresh air type Directional Signals Windshield Wiper/Washer – multi-speed electric with intermittent action feature PowerPoint AM/FM Stereo Radio	
Example: GMC Silverado 1500	

NOTE: Not recommended for snowplow applications.

Option: Extended cab long bed

DESCRIPTION

Type 7 ¾-Ton Pick-up Truck

Payload:	2,520 lb. minimum
GVW:	8,600 lb. minimum
Wheelbase:	127" minimum
Engine:	8 cylinder, 5.4 L minimum displacement, fuel injected, gasoline or turbo charged diesel
Transmission:	4 speed automatic
Battery:	600 cold cranking amps minimum
Alternator:	90 amp minimum
Axles and Springs:	To meet payload
Shock Absorbers:	Front and Rear
Tires:	Manufacturer's standard radial to meet payload with conventional spare wheel and tire
Brakes:	Power with 4 wheel ABS
Steering:	Power
Fuel Tank:	Standard
Mirrors:	Dual - factory installed - low mount 5.5" x 8.5" minimum
Bumpers:	Front and Rear, factory installed step bumper on rear
Seating:	Vinyl
Body:	8' minimum w/wheel well inside body
<p>Factory Air Conditioning</p> <p>Tinted Glass</p> <p>Dual Sun Visors</p> <p>Heater/Defroster - fresh air type</p> <p>Directional Signals</p> <p>Windshield Wiper/Washer - multi-speed electric with intermittent action feature</p> <p>PowerPoint</p> <p>AM/FM Stereo Radio</p>	

Example: Chevrolet C-2500, Dodge Ram-2500, Ford F-250, GMC C-2500

DESCRIPTION

Type 8 1-Ton Pick-up Truck with Regular Cab

Payload:	3,500 lb. minimum
GVW:	9,600 lb. minimum
Wheelbase:	130" minimum
Engine:	8 cylinder, 5.3 L minimum displacement, fuel injected, gasoline or turbo charged diesel
Transmission:	4 speed automatic
Battery:	600 cold cranking amps minimum
Alternator:	90 amp minimum
Axles and Springs:	To meet payload
Shock Absorbers:	Front and rear
Tires:	Manufacturer's standard to meet payload with conventional spare wheel and tire
Brakes:	Power with 4 Wheel ABS
Steering:	Power
Fuel Tank:	Standard
Mirrors:	Dual – factory installed - low mount 5.5" x 8.5" minimum
Bumpers:	Front and rear, factory installed step bumper on rear
Seating:	Vinyl
Body:	8' minimum w/wheel well inside body
<p>Factory Air Conditioning</p> <p>Tinted Glass</p> <p>Heater/Defroster - fresh air type</p> <p>Directional Signals</p> <p>Windshield Wiper/Washer - multi-speed electric with intermittent action feature</p> <p>PowerPoint</p> <p>AM/FM Stereo Radio</p>	
<p>Example: Ford F-350, Chevrolet C-3500HD, GMC C-3500HD, Dodge Ram 3500</p>	

DESCRIPTION

Type 8-1 1-Ton Pick-up Truck with Crew Cab

This is the same as Type 8 except it is equipped with a 4-door, 6-man crew cab. The crew cab is to be of integral construction only, not an add-on type box bolted to the chassis. All seating positions to be equipped with seat belts.

DESCRIPTION	
Type 9 Part-time Four (4) Wheel Drive Compact Utility Vehicle	
Payload:	800 lb. minimum
GVW:	5,000 lb. minimum
Wheelbase:	101" minimum
Engine:	3.0 L minimum displacement, gasoline, fuel injected, naturally aspirated (no diesel, no supercharger)
Transmission:	Automatic with shift-on-the-fly 4WD or AWD
Battery:	500 cold cranking amps minimum
Alternator:	75 amp minimum
Axles and Springs:	To meet payload Front and Rear
Shock Absorbers:	
Tires:	Manufacturer's standard to meet payload with a spare wheel and tire
Brakes:	Power with 4 Wheel ABS
Steering:	Power
Fuel Tank:	16 gallon minimum
Mirrors:	Dual - factory installed - 30 sq. in. minimum
Bumpers:	Front and Rear
Body:	4 door, full top, 5' minimum
Bucket seats in front Center console Factory Air Conditioning Tinted Glass Driver side Air Bag Supplemental Restraint System Heater/Defroster – fresh air type Directional Signals Windshield Wiper/Washer – multi-speed electric with intermittent action feature Rear Window Wiper/Washer Rear Window Defroster PowerPoint AM/FM Stereo Radio	
Example: Ford Escape, Chevrolet Equinox, Dodge Journey	

NOTES: Not recommended for snowplow applications.

DESCRIPTION	
Type 9 C-P Part-time Four (4) Wheel Drive Compact Utility Vehicle (FWD) (E-85) Ethanol	
Style:	4 door sedan Front Wheel Drive
Wheelbase:	112.6" minimum
Engine:	6 cylinder, 3.7 L V6, fuel injected
Transmission:	6 speed automatic, electronically controlled
Battery:	750 cold cranking amps-mounted in trunk with rundown protection
Alternator:	220 amps minimum
Suspension System:	Heavy duty police – independent MacPherson strut w/rear-facing L-shaped lower control arm stabilizer bar attached to an isolated subframe. Spring-helical coil; Shock – integrated w/strut, gas-pressure hydraulic. Rear, Independent multilink w/upper and lower control arm and isolated subframe; Spring: helical coil w/isolating upper and lower spring seats.
Tires:	Speed rated radial – P245/55R18 A/S BSW with full size spare/wheel.
Brakes:	Power 4-wheel anti-lock heavy-duty disc brakes with police calibration.
Seating:	Front – Heavy Duty Cloth Bucket Rear – 60/40 folding Heavy Duty Vinyl Bench 3 point seat belts in all seating positions

Factory Air Conditioning with pollen air filtration
 Air bag supplemental restraint system & Side air curtains
 Power operated Windows and Door Locks, two-stage
 Rear seat Windows and Door Locks operable from driver position only
 Left and right-hand outside mirrors – remote control
 Tinted Glass all around
 Defroster – Rear window
 Hood and Trunk Release – inside body remote control – key on only
 Roof Reinforcement
 Left-hand Spotlamp
 Dome lamp – Red/white
 Full size spare tire/wheel
 Tire Pressure Monitoring System (TPMS)
 SOS Post Crash alert system
 Heater/Defroster – fresh air type
 Directional Signals
 Windshield Wiper/Washer – multi-speed electric with intermittent action feature
 Floor – Heavy duty Thermoplastic Elastomer (vinyl)
 Seats: driver 6-way power; Passenger 2-way manual w/manual recline
Hub covers generally provided with police packages, Full wheel covers - Optional
 Mirrors – exterior dual power, manual folding w/integrated blind spot mirrors

Type 9 C-P Standard Law Enforcement Sedan (E-85) Ethanol (cont'd)

Shifter – Column mounted
 Simple fleet key
 Single key locking system
 Radio Noise Suppression Package
 Power Point
 AM/FM Radio
 Additional wiring for grill lights, siren, and lightbar to be coordinated with the agency
 100-amp main power supply wiring in trunk
 “Certified” Speedometer

Example: Ford Interceptor

Option: Dark Car Feature

DESCRIPTION	
Type 10-1 Full Size Utility Vehicle Extended (Ethanol E-85)	
Payload:	1,500 lb minimum
GVW:	8,600 lb. minimum
Wheelbase:	130" minimum
Engine:	5.3 L minimum displacement, gasoline, fuel injected, naturally aspirated (no diesel, no 6 – speed supercharger)
Transmission:	Automatic
Battery:	600 cold cranking amps minimum
Alternator:	150 amp minimum
Axles and Springs:	To meet payload
Shock Absorbers:	Front and rear
Tires:	Manufacture's standard radial to meet payload with conventional spare wheel and tire
Brakes:	Power with 4 Wheel ABS
Steering:	Power
Fuel Tank:	30 gallon minimum
Mirrors:	Dual- factory installed – low mount 5" x 7" minimum
Bumpers:	Front and Rear
Body:	4 door, 5" minimum full steel top
Bucket seats (standard) – console delete Factory Air Conditioning Front 7 Back Tinted Glass Driver side Air Bag Supplemental Restraint System Heater/Defroster - fresh air type Directional Signals Windshield Wiper/Washer - multi-speed electric with intermittent action feature Rear Window Defroster PowerPoint AM/FM Stereo Radio	
Example: Chevrolet Suburban, Ford Expedition EL, GMC Yukon XL	

Option: 4 Wheel Drive w/ shift on the fly
 Tow Package w/HD cooling

DESCRIPTION	
Type 10-C Part-time Four (4) Wheel Drive Full Size Utility Vehicle (E-85) Ethanol	
Payload:	1,122 lb. minimum
GVW:	6,800 lb. minimum
Wheelbase:	112" minimum
Engine:	V-8, 4.2 L minimum displacement, gasoline, fuel injected, naturally aspirated (no diesel, no supercharger)
Transmission:	Automatic with shift-on-the-fly 4 WD
Battery:	600 cold cranking amps minimum
Alternator:	90 amp minimum
Axles and Springs:	To meet payload
Shock Absorbers:	Front and Rear
Tires:	Manufacturer's standard radial to meet payload with conventional spare wheel and tire
Brakes:	Power with 4 Wheel ABS
Steering:	Power
Fuel Tank:	18.7 gallon minimum
Mirrors:	Dual - factory installed - low mount 5" x 7" minimum
Bumpers:	Front and Rear
Body:	4 door, 5' minimum, full steel top
Bench seats (standard) Factory Air Conditioning Tinted Glass Driver side Air Bag Supplemental Restraint System Heater/Defroster - fresh air type Directional Signals Windshield Wiper/Washer - multi-speed electric with intermittent action feature Rear Window Defroster PowerPoint AM/FM Stereo Radio	
Example: Chevrolet Tahoe, Ford Expedition, GMC Yukon	

NOTES: Not recommended for snowplow applications.

DESCRIPTION	
Type 10-P Full Size Utility Vehicle Police Pursuit Certified	
Payload:	1,122 lb. minimum
GVW:	6,400 lb. minimum
Wheelbase:	112" minimum
Engine:	5.3 L minimum displacement, v 8 gasoline, fuel injected, naturally aspirated (no diesel, no supercharger)
Transmission:	Automatic
Battery:	730 cold cranking amps minimum
Alternator:	145 amp minimum
Axles and Springs:	To meet payload
Shock Absorbers:	Front and Rear
Tires:	Manufacturer's standard radial to meet payload with conventional spare wheel and tire
Brakes:	Power with 4 Wheel ABS
Steering:	Power
Fuel Tank:	18.7 gallon minimum
Mirrors:	Dual - factory installed - low mount 5" x 7" minimum
Bumpers:	Front and Rear
Body:	4 door, 5' minimum, full steel top
Bucket seats in front Factory Air Conditioning Tinted Glass Driver side Air Bag Supplemental Restraint System Heater/Defroster - fresh air type Directional Signals Windshield Wiper/Washer - multi-speed electric with intermittent action feature Rear Window Defroster PowerPoint AM/FM Stereo Radio	
Example: Chevrolet Tahoe	

NOTES: Not recommended for snowplow applications.

Option: 600 Amps for second battery
 Dark Car Feature

DESCRIPTION	
Type 10-H Hybrid Two (2) Wheel Drive Full Size Utility Vehicle	
Payload:	1,122 lb. minimum
GVW:	6,400 lb. minimum
Wheelbase:	112" minimum
Engine:	5.3 L minimum displacement, v 8 gasoline, fuel injected, naturally aspirated (no diesel, no supercharger)
Transmission:	Automatic
Battery:	730 cold cranking amps minimum
Alternator:	14.5 amp minimum
Axles and Springs:	To meet payload
Shock Absorbers:	Front and Rear
Tires:	Manufacturer's standard radial to meet payload with conventional spare wheel and tire
Brakes:	Power with 4Wheel ABS
Steering:	Power
Fuel Tank:	18.7 gallon minimum
Mirrors:	Dual - factory installed - low mount 5" x 7" minimum
Bumpers:	Front and Rear
Body:	4 door, 5' minimum, full steel top
Bucket seats in front Center console Factory Air Conditioning Tinted Glass Driver side Air Bag Supplemental Restraint System Heater/Defroster - fresh air type Directional Signals Windshield Wiper/Washer - multi-speed electric with intermittent action feature Rear Window Defroster PowerPoint AM/FM Stereo Radio	
Example: Chevrolet Tahoe, GMC Yukon	

NOTES: Not recommended for snowplow applications.

Option: 4 Wheel Drive

DESCRIPTION	
Type 10-M Part-time Four (4) Wheel Drive Mid-Size Utility Vehicle	
Payload:	1,122 lb. minimum
GVW:	5,300 lb. minimum
Wheelbase:	112" minimum
Engine:	3.5 L minimum displacement, gasoline, fuel injected, naturally aspirated (no diesel, no supercharger)
Transmission:	Automatic with shift-on-the-fly 4WD or AWD
Battery:	600 cold cranking amps minimum
Alternator:	90 amp minimum
Axles and Springs:	To meet payload
Shock Absorbers:	Front and Rear
Tires:	Manufacturer's standard radial to meet payload with conventional spare wheel and tire
Brakes:	Power with 4Wheel ABS
Steering:	Power
Fuel Tank:	18.7 gallon minimum
Mirrors:	Dual - factory installed - low mount 5" x 7" minimum
Bumpers:	Front and Rear
Body:	4 door, 5' minimum, full steel top
Bucket seats in front Center console Factory Air Conditioning Tinted Glass Driver side Air Bag Supplemental Restraint System Heater/Defroster - fresh air type Directional Signals Windshield Wiper/Washer - multi-speed electric with intermittent action feature Rear Window Defroster PowerPoint AM/FM Stereo Radio Floor mats Spare tire with jack	
Example: Ford Explorer, Jeep Grand Cherokee, Chevrolet Traverse, Dodge Durango	

NOTES: Not recommended for snowplow applications.
 Option: V-8 engine

DESCRIPTION	
Type 11 Specialty Compact Wagon/Van	
Wheelbase:	114" minimum
Engine:	4 cylinder, 2.0 L minimum displacement, fuel injected, may be fueled solely by ethanol (E-85), unleaded gasoline, or a mixture of the alcohol fuel and gasoline from the same tank.
Transmission:	Automatic
Battery:	500 cold cranking amps minimum
Alternator:	150 amp minimum
Axles and Springs:	To meet payload
Shock Absorbers:	Manufacturer's standard
Tires:	Manufacturer's standard with standard spare wheel and tire
Brakes:	Power with 4 wheel ABS
Steering:	Power
Fuel Tank:	Standard
Mirrors:	Dual - factory installed - folding
Bumpers:	Front and Rear
Standard 2 Front Seats Factory Air Conditioning Tinted Glass all around Air Bag Supplemental Restraint System for driver and front seat passenger Full Insulation package Windshield Wiper/Washer - multi-speed electric with intermittent action feature Rear Window Wiper/Washer Dual Rear Doors Rear Door Glass PowerPoint AM/FM Stereo Radio	
Example: Ford Transit Connect	

Options: 4 passenger seating –wagon option
 Side door glass
 Rear air conditioning/heat

DESCRIPTION

Type 11-C Flex Fueled Seven (7) Passenger Mini-Wagon/ Van (E-85) Ethanol

Wheelbase:	109" minimum
Engine:	6 cylinder, 3.0 L minimum displacement, fuel injected, may be fueled solely by ethanol (E-85), unleaded gasoline, or a mixture of the alcohol fuel and gasoline from the same tank.
Transmission:	Automatic
Battery:	500 cold cranking amps minimum
Alternator:	90 amp minimum
Axles and Springs:	To meet payload
Shock Absorbers:	Front and Rear
Tires:	Manufacturer's standard radial with conventional or temporary spare wheel and tire
Brakes:	ABS
Steering:	Power
Fuel Tank:	Standard
Mirrors:	Dual - factory installed - 6.5" x 4" minimum
Bumpers:	Front and Rear
<p>Factory Air Conditioning</p> <p>Tinted Glass all around</p> <p>Air Bag Supplemental Restraint System for driver and front seat passenger</p> <p>Full Insulation package</p> <p>Windshield Wiper/Washer - multi-speed electric with intermittent action feature</p> <p>Rear Window Wiper/Washer</p> <p>Rear Window Defroster</p> <p>PowerPoint</p> <p>AM/FM Stereo Radio</p>	
<p>Example: Dodge Grand Caravan, Chrysler Town and Country</p>	

Option: Rear air conditioning/heat

DESCRIPTION	
Type 12 Full Size Eight (8) Passenger Specialty Wagon/Van	
Wheelbase:	144" minimum
Engine:	6 cylinder - 3.0 L minimum displacement, turbo diesel engine or gasoline
Transmission:	5 speed automatic
Battery:	100 AHS minimum
Alternator:	115 amp minimum
Axles and Springs:	To meet payload
Shock Absorbers:	Front and Rear
Tires:	Manufacturer's standard radial with conventional spare wheel and tire
Brakes:	Power with 4-Wheel ABS
Steering:	Power
Fuel Tank:	Standard
Mirrors:	Dual – factory installed - low mount 6" x 9" minimum
Bumpers:	Front and Rear
Dual Rear Doors Factory Air Conditioning Tinted Glass Air Bag Supplemental Restraint System for driver and front seat passenger Full Insulation package – additional insulation available as an option Windshield Wiper/Washer – multi-speed electric with intermittent action feature PowerPoint AM/FM Stereo Radio	
Example: Dodge Freightliner Sprinter, Nissan MV	

Option: Rear air conditioning/heat

DESCRIPTION	
Type 13-C Flex Fueled Full Size Eight (8) Passenger Wagon/Van (E-85) Ethanol	
Wheelbase:	109" minimum
Engine:	8 cylinder - 4.6 L minimum displacement, gasoline, fuel injected, naturally aspirated (no diesel, no supercharger)
Transmission:	4 speed automatic
Battery:	600 cold cranking amps minimum
Alternator:	90 amp minimum
Axles and Springs:	To meet payload
Shock Absorbers:	Front and Rear
Tires:	Manufacturer's standard radial with conventional spare wheel and tire
Brakes:	Power with 4-Wheel ABS
Steering:	Power
Fuel Tank:	Standard
Mirrors:	Dual – factory installed - low mount 6" x 9" minimum
Bumpers:	Front and Rear
Dual Rear Doors Factory Air Conditioning Dark Tinted Glass Air Bag Supplemental Restraint System for driver and front seat passenger Full Insulation package – additional insulation available as an option Windshield Wiper/Washer – multi-speed electric with intermittent action feature PowerPoint Swing open side doors AM/FM Stereo Radio	
Example: Chevrolet Express G-1500, GMC Savana G-1500, Ford Econoline E-150	

Options: Sliding doors
 Rear air conditioning/heat

DESCRIPTION	
Type 14-C Full Size Twelve (12) Passenger Wagon/Van (E-85) Ethanol	
Wheelbase:	125" minimum
Engine:	8 cylinder, 4.6 L minimum displacement, fueled by ethanol (E-85), unleaded gasoline, or a mixture of the alcohol fuel and gasoline from the same tank
Transmission:	Automatic with auxiliary oil cooler
Battery:	600 cold cranking amps minimum
Alternator:	100 amp minimum
Axles and Springs:	To meet payload
Shock Absorbers:	Heavy Duty Front and Rear
Tires:	Manufacturer's standard radial with conventional spare wheel and tire
Brakes:	Power with 4-Wheel ABS
Steering:	Power
Fuel Tank:	Standard
Mirrors:	Dual - factory installed – low mount 6" x 9" minimum
Bumpers:	Front and Rear
Dual Rear Doors Auxiliary Heater Factory Air Conditioning w/Auxiliary Rear Air Unit Dark Tinted Glass Dual Air Bag Supplemental Restraint System for driver and front seat passenger Full Insulation package Windshield Wiper/Washer - multi-speed electric with intermittent action feature PowerPoint Swing open side doors AM/FM Stereo Radio	
Example: Chevrolet Express G-2500, Ford Econoline E-350, GMC Savana G-2500	

Option: Sliding doors
 Rear air conditioning/heat

DESCRIPTION	
Type 16-C Flex Fueled ½ Ton Cargo Van (E-85) Ethanol	
Payload:	1,000 lb. minimum
GVW:	4,000 lb. minimum
Wheelbase:	109" minimum
Engine:	3.0 L minimum displacement, gasoline, fuel injected, naturally aspirated (no diesel, no supercharger)
Transmission:	Automatic
Battery:	500 cold cranking amps minimum
Alternator:	90 amp minimum
Axles and Springs:	To meet payload
Shock Absorbers:	Front and Rear
Tires:	Manufacturer's standard radial with conventional or temporary spare wheel and tire
Brakes:	Power
Steering:	Power
Fuel Tank:	Standard
Mirrors:	Dual - factory installed - low mount 6" x 5" minimum
Bumpers:	Front and Rear
Factory Air Conditioning Driver and passenger seat with airbag supplemental restraint system Dark Tinted Glass Dual Air Bag Supplemental Restraint System for driver and front seat passenger Windshield Wiper/Washer - multi-speed electric with intermittent action feature PowerPoint AM/FM Stereo Radio	
Example: Dodge Grand Caravan Cargo Van, Chevrolet Express, Ford Econoline E-150	

Option: Rear glass doors
 All-wheel drive
 Rear air conditioning/heat

DESCRIPTION	
Type 17-1 Full Size 3/4-Ton Specialty Cargo Van	
Payload:	2,125 lb. minimum
GVWR:	8,500 lb. minimum
Wheelbase:	118" minimum
Engine:	5 cylinder - 2.7 L minimum displacement, gasoline, fuel injected, naturally aspirated (no supercharger)
Transmission:	5 speed automatic
Battery:	100 AHS minimum
Alternator:	115 amp minimum
Axles and Springs:	To meet payload
Shock Absorbers:	Front and Rear
Tires:	Manufacturer's standard radial with conventional or temporary spare wheel and tire
Brakes:	Power with 4-Wheel ABS
Steering:	Power
Fuel Tank:	Standard
Mirrors:	Dual - factory installed - low mount 6" x 9" minimum
Bumpers:	Front and Rear
Factory Air Conditioning Driver and passenger seat Dual Air Bag Supplemental Restraint System for driver and front seat passenger Windshield Wiper/Washer - multi-speed electric with intermittent action feature Dual rear doors – Agency may specify with glass Audible Back-up Warning Device PowerPoint AM/FM Stereo Radio	
Example: Freightliner	

Option: Rear air conditioning/heat
 High Roof

DESCRIPTION	
Type 17-C Full Size 3/4-Ton Cargo Van (E-85) Ethanol	
Payload:	2,125 lb. minimum
GVWR:	8,600 lb. minimum
Wheelbase:	127" minimum
Engine:	6 cylinder - 3.9 L minimum displacement, fueled by ethanol (E-85), unleaded gasoline, or a mixture of the alcohol fuel and gasoline from the same tank
Transmission:	4 speed automatic
Battery:	600 cold cranking amps minimum
Alternator:	78 amp minimum
Axles and Springs:	To meet payload
Shock Absorbers:	Front and Rear
Tires:	Manufacturer's standard radial with conventional or temporary spare wheel and tire
Brakes:	Power with 4-Wheel ABS
Steering:	Power
Fuel Tank:	Standard
Mirrors:	Dual - factory installed - low mount 6" x 9" minimum
Bumpers:	Front and Rear
Factory Air Conditioning Driver and passenger seat Dual Air Bag Supplemental Restraint System for driver and front seat passenger Windshield Wiper/Washer - multi-speed electric with intermittent action feature Audible Back-up Warning Device PowerPoint AM/FM Stereo Radio	
Example: Chevrolet G-2500, Ford E-250, GMC G-2500	

Option: Dual rear doors with glass
 Tinted Glass
 Rear air conditioning/heat

DESCRIPTION	
Type 18-C Full Size 1-Ton Cargo Van (E-85) Ethanol	
Payload:	3,600 lb. minimum
GVWR:	9,200 lb. minimum
Wheelbase:	125" minimum
Engine:	8 cylinder - 4.6 L minimum displacement, fueled by ethanol (E-85), unleaded gasoline, or a mixture of the alcohol fuel and gasoline from the same tank
Transmission:	4 speed automatic
Battery:	600 cold cranking amps minimum
Alternator:	100 amp minimum
Axles and Springs:	To meet payload
Shock Absorbers:	Front and Rear
Tires:	Manufacturer's standard radial with conventional spare wheel and tire
Brakes:	Power with 4 Wheel ABS
Steering:	Power
Fuel Tank:	Standard
Mirrors:	Dual – factory installed - low mount 6" x 9" minimum
Bumpers:	Front and Rear
Factory Air Conditioning Driver and passenger seat Dual Air Bag Supplemental Restraint System for driver and front seat passenger Windshield Wiper/Washer - multi-speed electric with intermittent action feature Audible Back-up Warning Device PowerPoint AM/FM Stereo Radio	
Example: Chevrolet G-3500, Ford E-350, GMC G-3500	

Options: Dual rear doors – Agency may specify with glass
 Tinted Glass
 Rear air conditioning/heat

DESCRIPTION	
Type 19 1-Ton Regular Cab & Chassis Dump	
GVW:	13,000 - 15,000 lb. Using agency to specify GVW.
Useable Cab to Axle:	56" minimum
Engine:	5.4 L minimum displacement, gasoline or diesel. Using agency to specify gas or diesel.
Transmission:	Automatic transmission.
Battery:	600 cold cranking amps minimum for gasoline engine 1000 cold cranking amps minimum for diesel engine
Alternator:	90 amp minimum
Brakes:	Power assisted hydraulic with emergency brake
Steering:	Power
Suspension:	Front - 3,800 lbs. Capacity with front shock absorbers with H.D. stabilizer Rear - 7,500 lbs. Capacity full floating with dual wheels, leaf springs, shock absorbers and single speed axle
Tires:	Front – regular tread radial to meet manufacturer's GVWR Rear – mud and snow tread radial - dual - to meet manufacturer's GVWR Spare – regular tread radial mounted on spare rim
Fuel Tank:	Total capacity 18 gallons minimum
Cab:	All steel construction or composite headliner or double wall construction, dual visors, all doors keyed alike. All seats shall be equipped with seat belts – outboard positions to be lap/shoulder belt combination when available. Agency to specify bench or bucket seats. Cab shall include tinted glass, powerpoint, and AM/FM radio and full gauges to include an hour meter.
Mirrors:	Dual - factory installed - 8" x 9" or 7" x 16" – 72 sq. in. minimum
Wipers/Washer:	Dual electric – 2-speed
Heater/Defroster:	Fresh air type
Turn Signals	Class A – front and rear with traffic hazard switch
Air Conditioning:	Factory Installed

Type 19 1-Ton Regular Cab & Chassis Dump (cont'd)

Dump Body:	2-yard nominal capacity - 1-piece 3/16" steel floor, 8' in length, width to cover rear wheels, 10 ga. sides 13" high, ends 19" high. Cab shield min. 20" over cab x 78" wide.
Hoist:	Hydraulic – NTEA Class 30, capacity 9-ton minimum, dump angle 50 degree minimum, power up and power down
Tailgate:	Double acting with chains for lowering tailgate
Tarp:	Using agency to specify tarping system (e.g. manual and electric)
Mud Flaps:	Fiber or rubber to cover dual rear wheels of cab and chassis. Plain - no advertising on mud flaps.
Hydraulic System:	Sized to operate the dump body. Using agency shall specify any other hydraulically operated accessories (e.g., snowplows, salt spreaders, etc.), which will affect hydraulic system capacity.
Backup Warning Device:	112 Db minimum
Example:	Ford F-450, Dodge Ram 4500, Chevrolet 3500 HD

Notes: Cab, chassis, dumps body, hoist and hydraulic system to be delivered as a unit from a single vendor who is responsible for providing all warranty service.

Using agency to specify for hydraulically operated equipment (e.g., snowplows, salt spreaders, etc.) other than the dump body. Details must be submitted with requisition regarding hydraulic pump type, PTO preferences and plow functions.

Using agency to specify custom work (e.g., tool boxes, frame extensions, reinforcement, front mounted hydraulic pumps, snowplow attach points, etc.) and accessories necessary to the satisfactory performance of the vehicle's mission/function.

Options: Also available in 4 wheel drive

DESCRIPTION	
Type 19-A 1-Ton Regular Cab & Chassis Dump	
GVW:	11,400 lb.
Useable Cab to Axle:	56" minimum
Engine:	8 cylinder – 5.4 L minimum displacement, gasoline or diesel. Using agency to specify gas or diesel.
Transmission:	Automatic transmission. Using agency to specify manual or automatic transmission. Using agency may specify Allison transmission as an option.
Battery:	600 cold cranking amps minimum for gasoline engine 1000 cold cranking amps minimum for diesel engine
Alternator:	90 amp minimum
Brakes:	Power assisted hydraulic with emergency brake
Steering:	Power
Suspension:	Front - 3,800 lbs. Capacity with front shock absorbers with H.D. stabilizer Rear - 7,500 lbs. Capacity full floating with dual wheels, leaf springs, shock absorbers and single speed axle
Tires:	Front – regular tread radial to meet manufacturer's GVWR Rear – mud and snow tread radial - dual - to meet manufacturer's GVWR Spare – regular tread radial mounted on spare rim
Fuel Tank:	Total capacity 18 gallons minimum
Cab:	All steel construction or composite headliner or double wall construction, dual visors, all doors keyed alike. All seats shall be equipped with seat belts – outboard positions to be lap/shoulder belt combination when available. Agency to specify bench or bucket seats. Cab shall include tinted glass, powerpoint, and AM/FM radio and full gauges to include an hour meter.
Mirrors:	Dual - factory installed - 8" x 9" or 7" x 16" – 72 sq. in. minimum
Wipers/Washer:	Dual electric – 2-speed
Heater/Defroster:	Fresh air type
Turn Signals	Class A – front and rear with traffic hazard switch
Air Conditioning:	Factory Installed

Type 19 A 1-Ton Regular Cab & Chassis Dump (cont'd)

Dump Body:	2-yard nominal capacity - 1-piece 3/16" steel floor, 8' in length, width to cover rear wheels, 10 ga. sides 13" high, ends 19" high. Cab shield min. 20" over cab x 78" wide.
Hoist:	Hydraulic – NTEA Class 30, capacity 9-ton minimum, dump angle 50 degree minimum, power up and power down
Tailgate:	Double acting with chains for lowering tailgate
Tarp:	Using agency to specify tarping system (e.g. manual and electric)
Mud Flaps:	Fiber or rubber to cover dual rear wheels of cab and chassis. Plain - no advertising on mud flaps.
Hydraulic System:	Sized to operate the dump body. Using agency shall specify any other hydraulically operated accessories (e.g., snowplows, salt spreaders, etc.), which will affect hydraulic system capacity.
Backup Warning Device:	112 Db minimum
Example: Ford F-450, Dodge ram 350, GMC 3500, and Chevrolet 3500	

Notes: Cab, chassis, dumps body, hoist and hydraulic system to be delivered as a unit from a single vendor who is responsible for providing all warranty service.

Using agency to specify for hydraulically operated equipment (e.g., snowplows, salt spreaders, etc.) other than the dump body. Details must be submitted with requisition regarding hydraulic pump type, PTO preferences and plow functions.

Using agency to specify custom work (e.g., tool boxes, frame extensions, reinforcement, front mounted hydraulic pumps, snowplow attach points, etc.) and accessories necessary to the satisfactory performance of the vehicle's mission/function.

Options: Also available in 4 wheel drive

DESCRIPTION

Type 19-1 1 - Ton Crew Cab & Chassis Dump

This is the same as Type 19 except it is equipped with a 4-door crew cab with minimum seating for 5 adults. The crew cab is to be of integral construction only, not an add-on type box bolted to the chassis. All seating positions to be equipped with seat belts. Minimum useable cab to axle 56".

DESCRIPTION

Type 20 Regular Cab and Chassis

Notes: Cab, chassis, dumps body, hoist and hydraulic system to be delivered as a unit from a single vendor who is responsible for providing all warranty service.

Using agency to specify for hydraulically operated equipment (e.g., snowplows, salt spreaders, etc.) other than the dump body. Details must be submitted with requisition regarding hydraulic pump type, PTO preferences and plow functions.

Using agency to specify custom work (e.g., tool boxes, frame extensions, reinforcement, front mounted hydraulic pumps, snowplow attach points, etc.) and accessories necessary to the satisfactory performance of the vehicle's mission/function.

Type 19-2 Stake Body with Hydraulic Tailgate to fit Type 19 Cab and Chassis

Same specifications as Type 19-1 with the addition of a 1,600 lb. Capacity hydraulic tailgate. Tailgate to be gravity down and power up. Platform to have nominal dimensions of 72" x 34" with 6" folding ramp. Tailgate to be tuck-away type.

Type 19-3 Dump Stake Body to fit Type 19 Cab and Chassis

Same specifications as Type 19-2 with the addition of a hoist NTEA performance range F, 12 ton at a 45-degree dump, scissors type knee action. Dump cylinder shall be power up and power down with 6" bore and relief valve.

Type 19-4 Dump Stake Body with Hydraulic Tailgate to fit Type 19 Cab and Chassis

Same specifications as Type 19-3 with the addition of a 1,600 lb. Capacity hydraulic power tailgate to be gravity down and power up. Platform to measure approx. 69" x 34" . Tailgate shall be a lift and dump type.

Type 19-5 12 Foot Van Body to Fit Type 19 Cab and Chassis

Fiberglass reinforced plywood 1/8" tread plate. E Track placed 48" high horizontal to floor. Clearance lights in accordance with Federal standards. Overhead roll-up rear door. 1-1/4" laminated oak flooring with aluminum overlay. Interior cargo lamp. 2,000 lb. Capacity tuck-away liftgate.

GVWR:	16,000 lb. Minimum
Wheelbase:	155"
Usable Cab to Axle:	102"
Engine:	6.0 L minimum, turbo diesel or EFI gasoline, 200 gross H.P. minimum. Gross torque 400 lb. ft. min. for diesel; 300 lb. ft. min. for gasoline. Using agency to specify diesel or gasoline engine.
Transmission:	Manual 5 or 6 speed synchromesh, automatic transmission shall be available as an option. Transmission shall have provision for power take-off. Using agency to specify manual or automatic transmission. Using agency may specify Allison transmission if available.
Battery:	600 cold cranking amps minimum for gasoline 1000 cold cranking amps minimum for diesel
Alternator:	90 amp minimum
Brakes:	Power assisted hydraulic with emergency brake
Steering:	Power
Suspension:	Front - 6,000 lbs. Minimum capacity axle with leaf springs and shock absorbers Rear - 11,000 lbs. Minimum capacity, dual wheel, single speed axle with leaf springs and shock absorbers and single speed axle
Tires:	Front – regular tread - radial - to meet GVW Rear - mud and snow tread - radial – to meet GVW Spare – regular tread - radial – to meet GVW - mounted on spare wheel
Fuel Tank:	Total capacity 19 gallon minimum
Cab:	All steel construction or composite and shall be equipped with head liner or double wall steel roof construction, dual visors, grab handles, roof drip molding. All seats shall be equipped with seat belts – outboard positions to be lap/shoulder belt combination when available. Agency to specify bench or bucket seats. Cab shall include tinted glass, powerpoint, AM/FM Radio and full gauges to include an hour meter.
Mirrors:	Dual - factory installed - 8" x 9" or 7" x 16" – 72 sq. in. minimum
Windshield Wiper/Washer:	Dual electric - 2-speed
Heater/Defroster:	Fresh air type
Turn Signals:	Class A – front and rear with traffic hazard switch
Air Conditioning	Factory installed
Back-up Warning Device:	112 Db minimum
Example: Ford F-550, International 4000 Series, Dodge Ram 4500 & 5500,	

Option: Also available in 4 wheel drive

DESCRIPTION	
Type 20-1 Stake Body for Type 20 Cab and Chassis	
Nominal Dimension:	Length 14' minimum not to exceed 18'. Length to be specified by agency. Width 8' Sides and end racks minimum 40" high
Main Sills:	7" structural steel
Side and End Rails:	10 gauge formed steel
Cross Sills:	4" structural steel channels on 12" centers
Floor:	3/16" smooth steel
Main Sill Gussets:	10 gauge formed steel
Construction:	Welded platform assembly, main sills and gussets to be bolted to frame Side and end racks – steel joists and metal slats All sections removable and connected with heavy duty hardware Rear-end sections provided with latches to hold racks to platform
Mud Flaps:	Fiber or rubber to cover dual rear wheels of Type 20 cab and chassis. Plain - no advertising on mud flaps.
<p>NOTE: This item must be delivered together with Type 20 cab and chassis. Both items to be delivered as a unit from a single vendor. Exceptions to this standard require prior written approval of the State Fleet Administrator.</p>	
<p>Type 20-2 Stake Body with Hydraulic Tailgate to fit Type 20 Cab and Chassis</p> <p>Same specifications as Type 20-1 with the addition of a 1,600 lb. Capacity hydraulic tailgate. Tailgate to be gravity down and power up. Platform to have nominal dimensions of 72" x 34" with 6" folding ramp. Tailgate to be tuck-away type.</p>	
<p>Type 20-3 Dump Stake Body to fit Type 20 Cab and Chassis</p> <p>Same specifications as Type 20-2 with the addition of a hoist NTEA performance range F, 12 ton at a 45-degree dump, scissors type knee action. Dump cylinder shall be power up and power down with 6" bore and relief valve.</p>	
<p>Type 20-4 Dump Stake Body with Hydraulic Tailgate to fit Type 20 Cab and Chassis</p> <p>Same specifications as Type 20-3 with the addition of a 1,600 lb. Capacity hydraulic power tailgate to be gravity down and power up. Platform to measure approx. 69" x 34" . Tailgate shall be a lift and dump type.</p>	
<p>Type 20-5 14 Foot Van Body to Fit Type 20 Cab and Chassis</p> <p>Fiberglass reinforced plywood 1/8" tread plate. E Track placed 48" high horizontal to floor. Clearance lights in accordance with Federal standards. Overhead roll-up rear door. 1-1/4" laminated oak flooring with aluminum overlay. Interior cargo lamp. 2,000 lb. Capacity tuck-away liftgate.</p>	

Option: Crew cab available on any Type 20 Chassis
Also available in 4 wheel drive.

DESCRIPTION	
Type 21 Regular Cab & Chassis Dump – 25,000 lbs. GVWR	
GVWR:	25,000 lb. Minimum not to exceed 26,000 lb. Maximum
Useable Cab to Axle:	To accommodate body and accessories as specified.
Engine:	4 cycle turbo charged diesel, 175 gross H.P. and 475 lbs. Ft. torque minimum or EFI gasoline 210 H.P. and 340 lb. ft torque minimum Using agency to specify gasoline or diesel.
Transmission:	5 or 6 speed manual. Automatic transmission shall be available as an option. Using agency to specify manual or automatic transmission. Engine, transmission and drive axles shall be matched to produce a top road speed of 60-65 mph at manufacturer's GVWR.
Battery:	1,200 CCA minimum when equipped with diesel engine 600 CCA minimum when equipped with gasoline engine
Alternator:	90 amps minimum
Brakes:	Power assist hydraulic with emergency brake.
Steering:	Power
Suspension:	Front – 7,000 Rear – 15,000 lb. minimum capacity, dual wheel, single speed axle, with leaf springs and auxiliary springs. All wheels shall be hub piloted disc type.
Tires:	Front – regular tread radial to meet manufacturer's GVWR Rear – mud and snow tread radial - dual - to meet manufacturer's GVWR Spare- regular tread radial mounted on spare rim
Fuel Tank:	40 gallon capacity fuel tank
Cab:	Steel construction with fiberglass tilt type hood and fenders. Cab shall be equipped with tinted glass, full headliner or dual wall steel construction, dual sun visors, powerpoint, AM/F radio, full gauges to include an hour meter, grab handles, roof drip moldings, and high coolant temperature & low oil pressure both with warning light and buzzer. All seats shall be equipped with seat belts – outboard positions to be lap/shoulder belt combination when available. Agency to specify bench or bucket seats. Grill must be stationary relative to radiator to allow engine servicing without removing hydraulic pump.
Mirrors:	Dual – 7” x 16” minimum
Windshield Wiper/Washer:	Dual electric – 2 – speed
Heater/Defroster:	Fresh air type
Air Conditioning	Factory installed

DESCRIPTION

Type 21 Regular Cab & Chassis Dump – 25,000 lbs. GVWR (cont'd)

Directional Signals	Class A - front and rear with traffic hazard switch
Dump Body:	3-1/2 yard nominal capacity - 1-piece, 3/16" steel floor with nominal dimensions of length 9 ft., width 7 ft., with 18-inch high sides, 24 inch high ends. Cab shield to extend 12" - 14" over rear portion of cab.
Tarp:	Using agency to specify tarping system e.g. manual, electric, hydraulic
Hoist:	Hydraulic, NTEA Class 40, capacity 12-ton minimum, double arm with through shaft hinge pin, power up and power down.
Tailgate:	Double acting with lower hinge trip lever on left front corner of body - Philadelphia type top hardware
Hydraulic System:	Sized to operate the dump body and any other hydraulically operated accessories ordered by the using agency (e.g., snow-plows, salt spreaders, etc.). System to operate on 10W-40 motor oil. Control valving to be located outside the cab and remotely operated by mechanical or electro-mechanical systems located inside the cab within easy reach of the operator. Hydraulic oil shall not be routed anywhere inside the cab.
Mud Flaps:	Fiber or rubber to cover dual rear wheels. Plain - no advertising on mud flaps.
Back-up Warning Device:	112 Db minimum

Example: Ford F650, International 4000 Series,

Notes: Cab, chassis, dumps body, hoist and hydraulic system to be delivered as a unit from a single vendor who is responsible for providing all warranty service.

Using agency to specify for hydraulically operated equipment (e.g., snowplows, salt spreaders, etc.) other than the dump body. Details must be submitted with requisition regarding hydraulic pump type, PTO preferences and plow functions.

Using agency to specify custom work (e.g., tool boxes, frame extensions, reinforcement, front mounted hydraulic pumps, snowplow attach points, etc.) and accessories necessary to the satisfactory performance of the vehicle's mission/function.

Type 21-2 Stake Body with Hydraulic Tailgate to fit Type 21 Cab and Chassis

Same specifications as Type 21-1 with the addition of a 1,600 lb. Capacity hydraulic tailgate. Tailgate to be gravity down and power up. Platform to have nominal dimensions of 72" x 34" with 6" folding ramp. Tailgate to be tuck-away type.

Type 21-3 Dump Stake Body to fit Type 21 Cab and Chassis

Same specifications as Type 21-2 with the addition of a hoist NTEA performance range F, 12 ton at a 45 degree dump, scissors type knee action. Dump cylinder shall be power up and power down with 6" bore and relief valve.

Type 21-4 Dump Stake Body with Hydraulic Tailgate to fit Type 21 Cab and Chassis

Same specifications as Type 21-3 with the addition of a 1,600 lb. Capacity hydraulic power tailgate to be gravity down and power up. Platform to measure approx. 69" x 34". Tailgate shall be a lift and dump type.

Type 21-5 14 Foot Van Body to Fit Type 21 Cab and Chassis

Fiberglass reinforced plywood 1/8" tread plate. E Track placed 48" high horizontal to floor. Clearance lights in accordance with Federal standards. Overhead roll-up rear door. 1-1/4" laminated oak flooring with aluminum overlay. Interior cargo lamp. 2,000 lb. Capacity tuck-away lift gate.

Options: Crew cab available on any Type 21 Chassis
Also available in 4 wheel drive.

DESCRIPTION	
Type 22 Straight Body Cargo Van	
Style:	Regular cab straight body cargo van with 14' body
Wheelbase:	176 inch wheelbase 108" cab to axle
Capacity:	16,500 GVWR/Payload 9,000 lb. minimum
Engine:	Gas 8.0 L or Diesel 5.9 L minimum
Transmission:	Automatic transmission 5-speed
<p>Factory Air Conditioning</p> <p>Tinted Glass - all around</p> <p>Fresh air type Heater and Defroster</p> <p>Rear Window Defroster</p> <p>Left- and Right-Hand Outside Mirrors – factory installed</p> <p>Directional Signals</p> <p>Padded Dashboard</p> <p>Air bag supplemental restraint system required for driver and front seat passenger position</p> <p>Side impact air bags if available</p> <p>Back-up Lights</p> <p>Windshield Wiper – Washer with intermittent action feature</p> <p>Power Steering</p> <p>Power Brakes</p> <p>Radial Tires – to meet or exceed GVWR</p> <p>Light in Cargo Area</p> <p>AM/FM Radio</p> <p>PowerPoint</p> <p>Floor Mats</p>	
Example: Ford 450 Super Duty, Dodge RAM 4500	

Option: Hydraulic underbody folding lift gate

DESCRIPTION

Type 23 Police Motorcycle

Style:	Police Special
Wheelbase:	63.5" minimum
Fuel Tank Capacity	5 gallons minimum
Minimum Weight:	600 lbs.
Engine:	Air cooled twin cam 880 vibration isolated EFI Idle heat management system
Transmission:	Clutch – 5-speed
<p>Frame: Heavy duty construction – reinforced tubular steel design</p> <p>Fuel –Sequential Port Fuel Injection System</p> <p>Foot Guards- adjustable</p> <p>Engine Guards front engine guard</p> <p>2 long stem, true image mirrors</p> <p>Directional Signals – self canceling</p> <p>Wheels – 16” Cast aluminum</p> <p>Brakes – Suspension – Caliper type four position calipers, front & rear</p> <p>Tires – Dunlop – front – MT90Bx16 Blackwell rear – MT90Bx16 Blackwell</p> <p>Battery: - 32 amp minimum</p>	
Example: Harley Davidson	

DESCRIPTION

Type 24 Aerial Bucket Truck

Style:	2-door truck Telescoping insulated boom with insulated bucket with a minimum working height of 32". To include standard 11" utility body based on a 36" frame height.
GVWR:	17,000 lbs. minimum
Engine:	59 L Diesel
Transmission:	5 speed automatic 300 HP and 500 lbs. torque and 1,600 RPM
<p>Factory Air Conditioning Tinted Glass - all around Fresh air type Heater and Defroster Rear Window Defroster Left- and Right-Hand Outside Mirrors – factory installed Directional Signals Padded Dashboard Air bag supplemental restraint system required for driver and front seat passenger position Back-up Lights Windshield Wiper – Washer with intermittent action feature Power Steering Power Brakes - ABS Radial Tires – tires shall meet or exceed axle ratings AM/FM Radio PowerPoint Floor Mats</p>	
Example: Lift All, Altec Corp, E.T.I, Versa Lift	

DESCRIPTION	
Type 25 Wrecker Truck	
Style:	2-door truck, self loading light duty wrecker, aluminum body with 3,500 lb. under lift working capacity and 7,500 lb. Towing capacity with boom.
GVWR:	17,500 minimum
Engine:	8.0 L gas or 5.9 L diesel minimum
Transmission:	5 speed automatic 300 HP and 500 lbs. torque and 1,600 RPM
<p>Factory Air Conditioning</p> <p>Tinted Glass - all around</p> <p>Fresh air type Heater and Defroster</p> <p>Rear Window Defroster</p> <p>Left- and Right-Hand Outside Mirrors – factory installed</p> <p>Directional Signals</p> <p>Padded Dashboard</p> <p>Air bag supplemental restraint system required for driver and front seat passenger position</p> <p>Fuel capacity 32 gallons minimum</p> <p>Back-up Lights</p> <p>Windshield Wiper – Washer with intermittent action feature</p> <p>Power Steering</p> <p>Power Brakes - ABS</p> <p>Radial Tires – front and rear tires 225/70R 19.5</p> <p>Rear work light</p> <p>AM/FM Radio</p> <p>PowerPoint</p> <p>Floor Mats</p>	
Example: Miller Industries, Century Wreckers, Jer Dan	

NOTE: All lighting to meet FMUSS 108 standards.

DESCRIPTION

Type 26 Client Transport Bus

Style:	6-door vehicle
Wheelbase:	260" minimum
Engine:	8 cylinder gasoline
Transmission:	5 speed automatic
<p>Factory Air Conditioning Tinted Glass - all around Fresh air type Heater and Defroster Rear Window Defroster Left- and Right-Hand Outside Mirrors – factory installed Directional Signals Padded Dashboard Air bag supplemental restraint system required for driver and front seat passenger position Back-up Lights Windshield Wiper – Washer with intermittent action feature Power Steering Power Brakes - ABS Radial Tires - all weather tread Light in Cargo Area AM/FM Radio (optional) Power Point Floor Mats (driver side)</p>	
Example: Chevrolet Bus	

DESCRIPTION

Type 27- Sewer Vac Truck

Style:	2-door truck
Wheelbase:	127" minimum
Engine:	6 cylinder, electronic diesel engine
Transmission:	Automatic Allison 4500 RDS series or equal

Factory Air Conditioning
Fresh air type Heater and Defroster
Rear Window Defroster
Left- and Right-Hand Outside Mirrors – factory installed
Directional Signals – Turn signal switch self canceling
Padded Dashboard
Air bag supplemental restraint system required for driver and front seat passenger position
Side impact air bags
Back-up Lights
Windshield Wiper – Washer with intermittent action feature
Hydraulic power steering
Air Brakes
Radial Tires – Heavy service steer, 425/85R 22.5, 20 ply for front and (8) eight hub piloted 22.5 steel wheels for rear
Light in Cargo Area
AM/FM Radio
PowerPoint
Floor Mats

Example: UD33 - Vactor 2115JD, International 7600 – Vactor 2115JD, Mack GU 713 – Vactor 2115JD, Kenworth T800 – Vactor 2115 JD

DESCRIPTION

Type 28 Road Sweeper Truck

Style:	2-door truck
Wheelbase:	127" minimum
Engine:	4 cylinder, diesel with 200 HP minimum
Transmission:	Automatic
<p>Factory Air Conditioner Tinted Glass all around Fresh air type Heater and Defroster Rear Window Defroster Padded Dashboard Left- and Right-Hand Outside Mirrors – factory installed with convex mirror integrated bolt Directional Signals Air bag supplemental restraint system required for driver and front seat passenger position Side impact airbags Back-up Lights Windshield Wiper – Washer with intermittent action feature Power Steering Power Brakes Radial Tires - all weather tread Light in Cargo Area AM/FM Radio Power Point Floor Mats</p>	
Example: Elgin, Tymco or Johnston Sweeper mounted on Cab	

DESCRIPTION
Type 29- De-icer Truck

Style:	2-door truck
Wheelbase:	5.0" minimum
Fuel Tank Capacity:	70 gallons minimum
Engine:	6 cylinder, or electronic diesel
Transmission:	Automatic
<p>Factory Air Conditioning</p> <p>Tinted Glass - all around</p> <p>Fresh air type Heater and Defroster</p> <p>Rear Window Defroster</p> <p>Outside Mirrors – factory installed</p> <p>Directional Signals</p> <p>Padded Dashboard</p> <p>Air bag supplemental restraint system required for driver and front seat passenger position</p> <p>Side impact air bags</p> <p>Lights – Headlights, LED stop, tail, turn signal, back up, clearance, marker and parking</p> <p>Windshield Wiper – Washer intermittent with washer</p> <p>Power Steering</p> <p>Air Brakes</p> <p>Tires – Front (2) two Hub piloted 22.5 steel wheel and Rear (8) eight Hub piloted 22.5 steel wheel</p> <p>Light in Cargo Area</p> <p>AM/FM Radio</p> <p>PowerPoint</p> <p>Floor Mats</p>	
<p>Example: International 7600, Freightliner FLD 1200, Mack GU 713, Kenilworth T800 – with Tyler Ice System</p>	

DESCRIPTION

Type 30 High Speed Multi-purpose Snow Removal Trucks

Style:	Conventional regular cab w/bench vinyl seat
Wheelbase:	155" minimum
GVW	37,000 minimum
Engine:	6.0 L Diesel or 8.0 L Gasoline
Transmission:	Automatic Allison RDS with PTO provision or equivalent
Factory Air Conditioning Tinted Glass – all around Fresh air type Heater and Defroster Rear Window Defroster Left- and Right-Hand Outside Mirrors – factory installed (heated) Directional Signals Padded Dashboard Air bag supplemental restraint system required for driver and front seat passenger position Back-up Lights Windshield Wiper – Washer with intermittent action feature Power Steering Power Brakes – of anti-lock design Radial Tires - all weather tread Light in Cargo Area AM/FM Radio PowerPoint Floor Mats	
Example:	

DESCRIPTION

Type 31 Mobile Command Truck

Style:	6-door truck
Body Dimension:	Overall length 660", overall height not to exceed 161"
Chassis Requirement:	200 ¾ Kenworth T2000 Chassis; 53,220 lbs. GVWR
Engine:	Caterpillar C-15, 525 hp turbo-charged 2,100 rpm diesel engine minimum
Transmission:	18 speed Eaton auto shift transmission
Factory Air Conditioning Fresh air type Heater and Defroster Left- and Right-Hand Outside Mirrors – factory installed Directional Signals Padded Dashboard Air bag supplemental restraint system required for driver and front seat passenger position Back-up Lights Windshield Wiper – Washer with intermittent action feature Power Steering Power Brakes – ABS with traction control Radial Tires - all weather tread Light in Cargo Area AM/FM Radio Power Point Fuel – Two (2) 150 gallon aluminum fuel tank Frame - 11/32x31/2 x10-15/16 steel frame	
Example:	

DESCRIPTION

Type 32 Armored Personnel Vehicle Part-time Four (4) Wheel Drive

GVW:	25,000 Minimum
Wheelbase:	175" minimum
Engine:	Diesel International DT 466 standard torque, 285 Horsepower
Transmission:	Automatic 6 speed
Battery:	1000 cold cranking amps minimum for diesel engine
Alternator:	270 amp minimum
Brakes:	Dual air brake system for straight truck application
Steering:	Power steering w/tilting steering column and a 2-spoke design. 18" diameter steering wheel
Axles and Springs:	To meet payload
Shock Absorbers:	Front and rear
Tires:	Front tires to be two (2) each 255/80R22.5 and rear tires are to be four (4) each 255/80R22.5 equal to highway tread design, load G.
Fuel Tank:	Total capacity 70 gallons minimum
Wipers/Washer:	Single motor electric windshield wipers, cowl mounted and to include a 2-speed switch integral with the turn signal
Heater/Defroster:	Fresh air type
<p>Bench seats (standard)</p> <p>Chassis cab to be man conventional style cab with armored reinforced steel construction</p> <p>All window glass to be tinted</p> <p>All door keyed alike</p> <p>Cab doors power windows and power doors</p> <p>International Blend-Air heater/defroster air conditioner</p> <p>Fresh Air Filter for HVAC</p>	
<p>Example: Lenco Armored Vehicles</p>	

Attachment 1

DGS Vehicle Purchase Order Guidelines

Procedure Overview

The procedure for purchasing vehicles has been modified. This procedure allows the agency to purchase vehicles directly from the approved vendor using a blanket purchase order (BPO) created by DGS. Final approval of the purchase order will rest with DBM-FAU.

The process is initiated when the agency completes the direct purchase order (DP) and forwards it to DBM-FAU for approval. Upon receipt of the DBM approved purchase order, the agency will contact the vendor directly to arrange for the vehicle purchase. Dealers will not honor any purchase order that does not have the approval signature of DBM-FAU. DGS will no longer coordinate ordering or delivery activities between the agency and the vendor.

Purchases made after the manufacturer's production cut-off will revert to the purchasing method used last year i.e. the agency will send a requisition to DGS for solicitation in eMarylandmarketplace. These types of purchases will be done on an exception basis and only under extraordinary circumstances.

Vehicle Purchase Procedure

The following procedure is used for vehicle purchases made through the direct purchase order (DP) procedure:

1. Prior to the actual purchase process:
 - a. Each agency will need to revamp their approval pathway. The document code will be "DP" (for direct purchase order) or "RQ" (for requisitions) ****Note: Requisitions are used for vehicles ordered after cut-off and do not follow this procedure.** Document type will remain "VE". Agencies will need to add an additional approval path for DP, VE documents making DBM FAU the final approver (Screen 5985- Initiating Department Approval Path).
 - b. Each agency will submit a Budget Form DA-8 to their DBM budget analyst for approval. The budget analyst will forward an approved copy to DBM-FAU. Agencies should submit the DA-8 as soon as possible since the absence of the DA-8 will delay the DP approval process.
2. Agencies will select the required commodity code from Screen 1100 i.e. "vehicle type" or "truck" and then, select "F11- View BPO", which links to Screen 2460 (BPO by Commodity). Screen 2460 will display the BPO's created by DGS for that commodity/vehicle type. At least one BPO number will be posted for each vehicle type.
 - a. The agency selects the appropriate BPO number for the desired vehicle type.

- b. The agency completes a DP off the BPO filling in: 1) the number of vehicles being ordered, 2) desired delivery date, and 3) additional or changed specifications/options. Vehicle options can be found in Screen 1100 by typing in "vehicle opt". Commodities corresponding to the selected option are included in the DGS BPO. Agencies may not add commodities to their DP unless they are part of the DGS BPO. Therefore, please match the option's commodity code with the vehicle type's commodity code. Contact Tim Barnes at 410-767-4687 for questions concerning vehicle commodity codes. Remember a separate DP is required for each vehicle type.
 - c. If the new vehicle replaces another vehicle, the DP needs to be accompanied by trade-in or replacement vehicle information (Screen 2115).
 - d. If the request is for an additional vehicle that was not previously budgeted in this fiscal year, then the agency must submit justification to DBM-FAU on the notepad screen.
3. Upon completion of the DP (Screen 2360), the agency links to 2356 the "Additional Elements" screen and selects procurement method "R" for release. The agency then returns to Screen 2360 to post the DP, which automatically sends the DP to DBM-FAU for approval.
4. DBM will review the DP and make a determination within 10 business days. Then the DP will be posted. If DBM-FAU disapproves the DP, the reason for the disapproval will be placed in the note pad.
5. The agency will print the approved document and initiated purchase and delivery activities with the appropriate vendor. Once approved by DBM-FAU, the DBM-FAU signature will automatically appear on the printed DP. **Vendors will only honor DP's with DBM-FAU official approval.**
6. Agencies not using ADPICS will need to obtain copies of the DGS blanket purchase order, complete a hard copy of the DP and then mail the DP to DBM-FAU along with other Fleet Management's required documentation for approval. DBM-FAU will review the DP, stamp it if approved, forwarded a copy of the DP to DGS for ADPICS processing, and the original DP to the agency to arrange for vehicle purchase and delivery.
7. Please direct questions concerning vehicle requirements to Renee Carnes at 410-260-7337, E-mail rcarnes@dbm.state.md.us.

Attachment 2

PROCURING ALTERNATIVELY FUELED VEHICLES

(Revised June 2002)

I. Background:

The Federal Energy Policy Act of 1992 (EPAct) requires State fleets covered by EPAct to include alternatively fueled vehicles (AFVs) in their vehicle acquisitions. Additionally, the Governor's Executive Order 01.01.1993.20 confirms the State's commitment to complying with Federal requirements. It is State fleet policy that alternatively fueled vehicles acquired by the State satisfy both the Energy and Clean Air law requirements to reduce duplication/costs.

State agencies operating fleets covered by this policy are responsible for meeting Federal laws by acquiring and reporting alternatively fueled vehicles during the annual vehicle purchase cycle (September 1 through August 31) in accordance with this policy. Agency heads are responsible to insure internal procedures and practices are established to implement this policy.

II. Definitions:

AFV: An alternative fuel vehicle, either dedicated or dual-fueled, that can operate on fuel other than gasoline or diesel i.e. a vehicle that can run on alternative fuel.

Exception: Currently, EPAct does **not recognize hybrid vehicles as AFVs.

Covered Areas: The Federal Department of Energy (DOE) identifies the following 14 counties/city as covered areas:

1. Anne Arundel County,
2. Baltimore County,
3. Baltimore City, Harford, Howard, Cecil,
4. Calvert County,
5. Carroll County,
6. Cecil County,
7. Charles County,
8. Frederick County,
9. Hartford County,
10. Howard County,
11. Montgomery County,
12. Prince George's County,
13. Queen Anne's County, and
14. Washington County

Covered Fleet: For the purposes of compliance with EPAct regulations, a covered fleet is an independent fleet of 50 or more non-excluded light duty vehicles (LDVs) owned and operated by the same agency of which at least 20 LDVs are operated primarily in the covered area and can be centrally fueled.

Excluded Vehicles: In addition to vehicles over 8,500 pounds, the following vehicles are excluded from the AFV purchase requirement:

1. Emergency motor vehicles – Vehicles legally authorized to exceed the speed limit when speed is required to save lives or property. Examples include rescue vehicles, fire trucks and ambulances.
2. Law enforcement vehicles – Vehicles operated for the purpose of law enforcement activities including, but not limited to, chase, apprehension, surveillance or patrol of people engaged in or potentially engaged in unlawful activities.
3. Non-road vehicles – Vehicles used principally for industrial, farming or commercial use; for rail transportation; at airports; for marine purposes; and other vehicles not licensed for on-road use.
4. Assigned/Commute vehicles – Vehicles that are parked at private residences when not in use.

LDV: A light duty vehicle having a gross vehicle weight (GVW) of 8,500 pounds or less.

III. Questions/Explanation:

1. How do I determine if my agency’s fleet is covered by the EAct AFV acquisition requirement?

If your agency can answer, “yes” to all four of the following questions, your fleet is covered by the EAct mandate to acquire AFVs:

- Does your agency own, operate or control at least 50 LDVs?
- When you subtract out your excluded vehicles (see definitions), do you still have 50 vehicles?
- Of the remaining 50 or more vehicles, are at least 20 operated in one or more of the 14 covered areas (see definitions)?
- Can these remaining 20 or more vehicles be centrally fueled at least 75% of the time i.e. agency or state fueling stations?

Example of an excluded fleet:

100	total vehicles in fleet
- 20	emergency vehicles
- 10	heavy vehicles over 8,500 GVW
- 15	non-road vehicles
- 7	take home vehicles, i.e., State Commute Program vehicle
<hr/>	
48	covered LDVs

2. How many AFVs does my agency need to purchase this year?

For model year 2013 and thereafter, 75% of the non-excluded LDVs purchased for a covered fleet must be AFVs. Therefore, if a covered fleet plans to acquire 20 vehicles but 6 are excluded, then the agency must acquire 75% of 14 (20-6=14) or 11 AFVs.

Example:

$$\begin{array}{r} 14 \quad \text{Total LDVs to be acquired (minus excluded vehicles)} \\ \times .75 \quad \text{AFV acquisition percentage} \\ \hline 10.5 = 11 \quad \text{Required AFV purchases (round all partial numbers up)} \end{array}$$

3. What AFVs purchases can my agency use to satisfying the AFV acquisition requirement?

To satisfy the AFV acquisition mandate, any LDV AFV acquired by the agency's fleet during the reporting period (September 1st through August 31st) can be included in the AFV count. In other words, acquired AFVs that are excluded from the LDV count can still be used to meet the AFV acquisition requirement. Theoretically, it is possible to have an acquisition percentage that exceeds 100%.

Example:

If an agency needs to acquire 75 AFVs, the agency may acquire 50 for use in the general LDV count and 25 may be acquired for use as an excluded LDV. It is also possible for the State to acquire credits for AFVs purchased in excess of the required number. These credits can be used in future reporting years or to average out other Maryland agencies that did not make their AFV acquisition quota for the present reporting year.

IV. Reporting Requirements:

Agency fleets are subject to Federal Government reporting requirements. Agencies must submit a report for each of its fleets to DBM Fleet Administration Unit, 45 Calvert Street, Annapolis, MD, for inclusion in the State's report to the Federal Government. **This form must be completed and submitted indicating covered LDVs acquired even if the agency did not purchase any alternatively fueled vehicles.** Do not report directly to the Federal Government. Reports are due annually to DBM by October 1 after the close of the model year. Agencies are to report to DBM using the attached Federal Department of Energy form OTT/101.

FORM DOE/OTT/101
ANNUAL ALTERNATIVE FUELED VEHICLE ACQUISITION REPORT FOR STATE
GOVERNMENT AND ALTERNATIVE FUEL PROVIDER FLEETS

This data collection has been approved by the Office of Management and Budget (OMB). The OMB control number for this data collection is 1910-5101. Respondents are not required to file a reply to any Federal collection of information unless it has a valid OMB control number. Public reporting burden for this collection of information is estimated to average 12 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data, and completing and reviewing the collection of information. Reports can be submitted by mail, facsimile, or electronically, as discussed in the guidance.

Consolidated Metropolitan Statistical Area: Washington-Baltimore

Fleet/Agency Name: _____ **Fleet Type:** State **Point of Contact Name:** _____

Point of Contact Phone: _____ **Point of Contact Fax:** _____ **Point of Contact E-Mail:** _____

Mailing Address: _____

City: _____ **State:** MD **Zip:** _____

Today's Date: _____

LIGHT DUTY VEHICLES ACQUIRED

Model Year Data

Total Vehicles Acquired - Enter the quantity of light duty vehicles acquired during each model year, including all alternative fueled vehicles, plus all non-alternative fueled vehicles (do not count excluded vehicles). Knowing the total number of LDV acquired is necessary for DOE to calculate the number of AFVs that a fleet must acquire. Model Year 2013 runs from Sep 1, 2012 to Aug 31, 2013.

Model Year: _____ **Total LDVs Acquired:** _____

Remarks:

Annual AFV Fleet Report

FORM DOE/OTT/101
Fleet Identification

FLEET NAME: _____

TODAY'S DATE: _____

Alternative Fueled Vehicle Data (Use continuation sheet as necessary for additional AFVs for this model year.)

VEH NUM	MAKE	MODEL	MODEL YEAR	VEH CAT	VIN	AQC DATE	CONV DATE	FUEL TYPE	FUEL CONFIG	CONV MODE	LIGHT DUTY IND	VEH ZIP

Alternative Fueled Vehicles
List of Codes

Vehicle Category	Code
Automobile	Auto
Passenger Van	PVAN
Services Van	Svan
Bus	Bus
LD Pickup	LDPu
Non-LD Pickup	HDPu
Service Bed	Sbed
Mini Van	Mvan
Sport Utility Vehicle	SUV
Station Car	StaC
Class 3-8	C3-8
Other	Othr
Fuel Configuration	Code
Dedicated	Ded
Dual/Bi-Fueled	Dual
Flexible Fueled	Flex
Fuel Cell	Cell
Electric	Elec
Hybrid Electric	HybE
Unknown	Unk

Fuel Type	Code
85% Methanol	M85
100% Methanol	M100
85% Ethanol	E85
100% Ethanol	E100
100% BioDiesel	B100
Electricity	Elec
Hydrogen	Hydr
Liquid Petroleum Gas	LPG
Compressed Natural Gas	CNG
Liquid Natural Gas	LNG
Other	Othr
Conversion Mode	Code
Original Equipment Manufacturer	OEM
Previously Converted (other owner)	Pcon
Self-Converted by present owner	Scon
Light Duty Indicator	Code
Gross Vehicle Weight 8500 lbs or less	Y = Yes
Gross Vehicle Weight over 8500 lbs	N = No

Attachment 3 REQUEST TO REPLACE MOTOR VEHICLES

Agency Name: _____ Sub-Unit: _____ Agency Code: _____
 Address: _____ City: _____ Zip: _____ Date: _____
 Person Completing Form: _____ Phone: () _____
 Current Fleet Manager: _____ | _____ Phone: () _____
(Type or Print) (Signature) e-mailAddress: _____

ADPICS Req. ID #		Description of Vehicle to be Replaced			Vehicle Identification Number (Serial Number) * Must be 17 Characters *	Odometer Reading (Check box if over 100,000 miles)
State Tag #	Year	Make	Model			
				* *	<input type="checkbox"/>	
				* *	<input type="checkbox"/>	
				* *	<input type="checkbox"/>	
				* *	<input type="checkbox"/>	
				* *	<input type="checkbox"/>	
				* *	<input type="checkbox"/>	
				* *	<input type="checkbox"/>	
				* *	<input type="checkbox"/>	
				* *	<input type="checkbox"/>	
				* *	<input type="checkbox"/>	

Notes:

1. Odometer readings of less than 100,000 miles require justification for replacement of a low mileage vehicle.
2. For vehicles assigned unmarked license plates, attach justification in accordance with Section 4.01.01 of the Fleet Policy Manual for the continued use of unmarked license plates on the replacement vehicle.
3. Vehicles accumulating less than 10,000 official miles in FY 2013 require written justification for replacement.

One ADPICS requisition per "Request to Replace Motor Vehicle".