

SB

45

<TARGET><BILL>SB 45</BILL><SUBJECT>SB
45</SUBJECT><COMM>SSTA28</COMM></TARGET>

SENATE COMMITTEE REPORT First Committee of Referral

DATE: 2/6/13

FURTHER: Finance

Date of 5-Day Notice: _____
(in accordance with Uniform Rule 23)

DATE TURNED
IN TO OFFICE: 3/28/13

State Affairs Committee considered SENATE BILL NO. 45

SB 45-FEE/TAX EXEMPTION FOR CERTAIN VEHICLES

"An Act setting special registration fees for alternative fuel vehicles; and providing for an effective date."

and recommends:

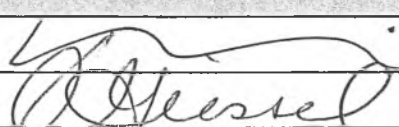
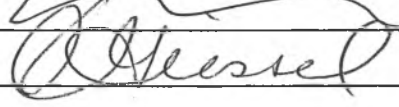
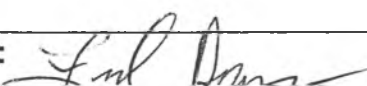
- be replaced with CS _____ (_____) Same Title New Title
- adopt previous CS _____ (_____) Same Title New Title
- attached amendment(s)
- adopt _____ Letter of Intent
- further referral to _____ Committee

Dept Abbr.	
ADM	LWF
CED	LAW
COR	LEG
CRT	MVA
EED	DNR
DEC	DPS
DFG	REV
GOV	DOT
DHS	UA

NEW FISCAL NOTE(S)				
Dept.	Fiscal	Indet.	Zero	FN #
ADM	✓			1

PREVIOUS FISCAL NOTE(S)				
Dept.	Fiscal	Indet.	Zero	FN #

APPROPRIATION - no fiscal note

SIGNATURES AND RECOMMENDATIONS:	PRINTED LAST NAME	DO PASS	DO NOT PASS	NO REC	AMEND
	Wielechowski				✓
	Biessel			✓	
CHAIR: 	Diesel	✓			

Alaska State Legislature

Session:
State Capitol 103
Juneau, AK 99801
Phone: (907) 465-2995
Fax: (907) 465-6592

Rules Committee



Interim:
716 W 4th Avenue, Suite 300
Anchorage, AK 99501-2133
Phone: (907) 269-0250
Fax: (907) 269-0249

Committee on Committees

Senator Lesil McGuire

TO: Senator Dyson
FROM: Senator McGuire
DATE: February 15, 2013
SUBJECT: Hearing Request for SB45

Dear Senator Dyson,

Please schedule SB 26, "An Act setting special registration fees for alternative fuel vehicles; and providing for an effective date" for a hearing in the Senate State Affairs Committee at your earliest convenience.

Attached is a bill packet that contains the following:

1. Sponsor Statement
2. Current Version of the Bill: SB45

Alaska State Legislature

Session:
State Capitol 103
Juneau, AK 99801
Phone: (907) 465-2995
Fax: (907) 465-6592

Rules Committee



Interim:
716 W 4th Avenue, Suite 300
Anchorage, AK 99501-2133
Phone: (907) 269-0250
Fax: (907) 269-0249

Committee on Committees

Senator Lesil McGuire

Sponsor Statement for Senate Bill 45

"An Act setting special registration fees for alternative fuel vehicles; and providing for an effective date."

Senate Bill 45 is a progressive approach to providing incentives to the public for this new technology. It will help air quality issues and promote additional jobs through the application of this new technology and line of products.

The automotive industry is undergoing a significant transformation toward electrification of the automobile. Incentives encourage many stakeholders and consumers to move forward with necessary changes, accelerate the deployment of second and third generations of the technology and achieve economies of scale more quickly; all leading to reductions in the cost of this new technology.

Plug-in electric vehicles are coming. This legislation will help us prepare Alaska to be the "First Frontier" for advanced technology and readily support its introduction. Many states are already putting various types of incentives in place to attract these sorts of vehicles; driving new investment and new skill development, while at the same time displacing petroleum and reducing local vehicle emissions.

CNG vehicles will also help to displace petroleum and reduce emissions. They, too, can help Alaska diversify our energy requirements and help to insulate us from potential shocks to the State's oil supply. In addition, to the public benefits, promoting the sale of CNG vehicles will lower operating costs for consumers at a time when fuel costs represent an increasing portion of Alaskan family and small business budgets.

This bill shows that Alaska welcomes advanced technology and is getting itself "Plug-in Ready." I urge your support for this important bill.

FISCAL NOTE

STATE OF ALASKA
2011 LEGISLATIVE SESSION

Fiscal Note Number 1
 Bill Version CSSB 26(STA)
 (S) Publish Date 2/21/11

Identifier (file name) SB026-DOA-DMV-2-16-11 Dept. Affected Administration
 Title Fee/Tax Exemption for Certain Vehicles Appropriation Motor Vehicles
 Allocation Motor Vehicles
 Sponsor Senator McGuire
 Requester Senate State Affairs Committee OMB Component Number 2348

Expenditures/Revenues (Thousands of Dollars)

Note: Amounts do not include inflation unless otherwise noted below.

	Appropriation Required	Information						
		FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
OPERATING EXPENDITURES								
Personal Services								
Travel								
Contractual	20.0							
Supplies								
Equipment								
Land & Structures								
Grants & Claims								
Miscellaneous								
TOTAL OPERATING	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CAPITAL EXPENDITURES								
-----------------------------	--	--	--	--	--	--	--	--

CHANGE IN REVENUES		***	***	***	***	***	***	***
---------------------------	--	-----	-----	-----	-----	-----	-----	-----

FUND SOURCE	(Thousands of Dollars)						
	FY 2012	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
1002 Federal Receipts							
1003 GF Match							
1004 GF							
1005 GF/Program Receipts	20.0						
1037 GF/Mental Health							
Other Interagency Receipts							
TOTAL	20.0	0.0	0.0	0.0	0.0	0.0	0.0

Estimate of any current year (FY2011) cost 0.0

POSITIONS

Full-time							
Part-time							
Temporary							

Why this fiscal note differs from previous version

Not applicable; initial version.

Prepared by Whitney Brewster
 Division Motor Vehicles
 Approved by John Cramer, Deputy Commissioner
Department of Administration

Phone 907-269-5574
 Date/Time 2/16/11 1:00 PM
 Date 2/16/2011

FISCAL NOTE #1

STATE OF ALASKA
2011 LEGISLATIVE SESSION

BILL NO. CSSB 26(STA)

Analysis

Expenditures: The database for the Division of Motor Vehicles (DMV) does not currently distinguish fuel types for vehicles, so programming will need to be done to accomplish this.

Estimated hours: 140

Cost per hour: \$143

Total programming cost: $140 \times 143 = \$20,020$.

Revenues: Since DMV has not captured vehicles by fuel type, the impact on revenues cannot be accurately determined at this time. The initial reduction in revenues should be small, but as alternatively-fueled vehicles gain popularity, there will be a proportionate decrease in revenues .

As reference, there are currently 1,834 strictly hybrid vehicles registered in Alaska that can be identified by model name; of those, 434 are model year 2010 or 2011. These quantities, however, do not encompass the total number of hybrids on Alaska's roads, since there are numerous models with both hybrid and non-hybrid versions; e.g., Ford Fusion and Toyota Highlander.

If the bill includes an exemption for motor vehicle registration as well as registration fees, there will be a reduction in amounts collected and disbursed to communities through the Motor Vehicle Registration Tax program AS 28.10.431.

Economic Impact: This bill may possibly spur the sale of vehicles powered by electricity and natural gas.

FISCAL NOTE

STATE OF ALASKA
2013 LEGISLATIVE SESSION

Bill Version SB 45
Fiscal Note Number 1
() Publish Date 3/28/2013

Identifier (file name) SB 45 Dept. Affected Administration
Title Fee/Tax Exemption for Certain Vehicles Appropriation Motor Vehicles
Allocation Motor Vehicles
Sponsor Senator McGuire
Requester (S) State Affairs OMB Component Number _____

Expenditures/Revenues (Thousands of Dollars)

Note: Amounts do not include inflation unless otherwise noted below.

	FY14 Appropriation Requested	Included in Governor's FY14 Request	Out-Year Cost Estimates				
			FY15	FY16	FY17	FY18	FY19
OPERATING EXPENDITURES	FY14	FY14	FY15	FY16	FY17	FY18	FY19
Personal Services							
Travel							
Contractual	20.0						
Commodities							
Capital Outlay							
Grants, Benefits							
Miscellaneous							
TOTAL OPERATING	20.0	0.0	0.0	0.0	0.0	0.0	0.0

FUND SOURCE (Thousands of Dollars)

1002	Federal Receipts						
1003	GF Match						
1004	GF						
1005	GF/Prgm (DGF)	20.0					
1037	GF/MH (UGF)						
1178	temp code (UGF)						
TOTAL		20.0	0.0	0.0	0.0	0.0	0.0

POSITIONS

Full-time							
Part-time							
Temporary							

CHANGE IN REVENUES

--	--	--	--	--	--	--	--

Estimated SUPPLEMENTAL (FY13) operating costs _____ (separate supplemental appropriation required)
(discuss reasons and fund source(s) in analysis section)

Estimated CAPITAL (FY14) costs _____ (separate capital appropriation required)
(discuss reasons and fund source(s) in analysis section)

ASSOCIATED REGULATIONS

Does the bill direct, or will the bill result in, regulation changes adopted by your agency? _____
If yes, by what date are the regulations to be adopted, amended, or repealed? _____ Discuss details in analysis section.

Why this fiscal note differs from previous version (if initial version, please note as such)

This note matches Fiscal Note 1 for 2011 Legislative Session Bill CSSB 26 (STA) (identifier: SB026-DOA-DMV-2-16-11).

Prepared by Ken Truitt, Committee Aide
Division _____
Approved by Senator Fred Dyson
Senate State Affairs Committee

Phone 465-3723
Date/Time 3/28/13 8:37 PM
Date 3/28/2013

FISCAL NOTE ANALYSIS

STATE OF ALASKA
2013 LEGISLATIVE SESSION

BILL NO. SB 45

Analysis

From Fiscal Note: SB026-DOA-DMV-2-16-11

Expenditures: The database for the Division of Motor Vehicles (DMV) does not currently distinguish fuel types for vehicles, so programming will need to be done to accomplish this.

Estimated hours: 140

Cost per hour: \$143

Total programming cost: $140 \times 143 = \$20,020$.

Revenues: Since DMV has not captured vehicles by fuel type, the impact on revenues cannot be accurately determined at this time. The initial reduction in revenues should be small, but as alternatively-fueled vehicles gain popularity, there will be a proportionate decrease in revenues.

As reference, there are currently 1,834 strictly hybrid vehicles registered in Alaska that can be identified by model name; of those, 434 are model year 2010 or 2011. These quantities, however, do not encompass the total number of hybrids on Alaska's roads, since there are numerous models with both hybrid and non-hybrid versions; e.g., Ford Fusion and Toyota Highlander.

If the bill includes an exemption for motor vehicle registration as well as registration fees, there will be a reduction in amounts collected and disbursed to communities through the Motor Vehicle Registration Tax program AS 28.10.431.

Economic Impact: This bill may possibly spur the sale of vehicles powered by electricity and natural gas.

Genevieve Wojtusik

From: Mellott, Shelly A (DOA) <shelly.mellott@alaska.gov>
Sent: Tuesday, March 26, 2013 9:14 AM
To: Genevieve Wojtusik
Cc: Erickson, Amy J (DOA)
Subject: VIN Decoding Software information

Follow Up Flag: Follow up
Flag Status: Flagged

Genevieve,

Listed below are some of the benefits to DMV of having VIN decoding software besides just using it to provide us information on the fuel types. Amy is on leave this week but I will be online for questions Thursday at the committee meeting. Please let me know if you need any further information or have any questions.

Benefits to VIN decoding Software

- Supplies original fuel type to identify alternative fuel vehicles
- Provides information on every car or light truck 1988-onward
- Provides year, manufacturer, model, style & specific trim
- Decodes both US and Canadian VINs
- Eliminates errors from manual VIN recording
- Cuts down on processing time and errors by being able to programmatically pre-fill many fields that now require manual entry

Thanks,

Shelly

Shelly Mellott, Deputy Director
Division of Motor Vehicles
State of Alaska
Department of Administration
1300 W. Benson Blvd, Suite 900
Anchorage, AK 99503

907-269-5566 voice
907-269-5081 fax

shelly.mellott@alaska.gov
www.alaska.gov/dmv



Cooling Fins Help Keep Chevrolet Volt Battery at Ideal Temperature

2011-02-14

WARREN, Mich. – Engineers of the four-seat Chevrolet Volt electric car often refer to its 435-pound battery pack as the fifth passenger. Given the care taken to keep the pack at just the right temperature in all temperature conditions, there is a lot of truth to that.

The Volt's ability to operate gasoline-free on a day-to-day basis and carry an eight-year/100,000-mile battery warranty is due to active thermal management of the advanced lithium ion battery pack.

"Every battery has a temperature sweet spot where it provides the optimal blend of power output, energy capacity and long life and we keep the Volt right on that target," said Bill Wallace, General Motors director of Global Battery Systems. Batteries that are too cold are reluctant to release electrons while batteries that run too hot can see a significantly shorter life.

The Volt's T-shaped battery pack consists of 288 individual cells arranged into nine modules. Plastic frames hold pairs of lithium-ion cells that sandwich an aluminum cooling fin. The design and construction of that aluminum plate is critical to ensuring an even temperature distribution with no hot or cool spots across the flat, rectangular cell. The battery pack has its own cooling circuit that is similar to, but independent from, the engine cooling system.

The Dana Corp.-manufactured cooling fin consists of two lightweight aluminum plates joined by a proprietary clean nickel-brazing process. The carefully designed grooves stamped into the plates form channels that allow battery coolant that is pumped through the pack to flow over the entire cell surface.

"Three different systems are used to regulate the temperature of the coolant," said Wallace. "When the Volt is plugged in and charging in cold weather, an electric heater at the front of the battery pack is used to warm the coolant and pre-heat the battery. During normal operations, the coolant is passed through a heat exchanger at the front of the car, while a chiller in the air conditioning circuit can be used to dissipate heat from the battery when temperatures really climb."

The management system monitors feedback from 16 thermal sensors arranged throughout the battery pack to maintain a spread of no more than 2 degrees centigrade from the optimal temperature across the pack.

Getting the battery temperature just right was a product of lessons learned from the EV1 and 15 years of testing fuel cell stacks. GM engineers and researchers learned a lot about how to circulate coolant to maintain an even temperature distribution. Those learnings went straight into the cooling system of the Volt battery.

About Chevrolet

Founded in Detroit in 1911, Chevrolet celebrates its centennial as a global automotive brand with annual sales of about 4.25 million vehicles in more than 120 countries. Chevrolet provides consumers with fuel-efficient, safe and reliable vehicles that deliver high quality, expressive design, spirited performance and value. The Chevrolet portfolio includes iconic performance cars such as Corvette and Camaro; dependable, long-lasting pickups and SUVs such as Silverado and Suburban; and award-winning passenger cars and crossovers such as Spark, Cruze, Malibu, Equinox and Traverse. Chevrolet also offers "gas-friendly to gas-free" solutions including Cruze Eco and Volt. Cruze Eco offers 42 mpg highway while Volt offers 35 miles of electric, gasoline-free driving and an additional 344 miles of extended range. Most new Chevrolet models offer OnStar safety, security and convenience technologies including OnStar Hands-Free Calling, Automatic Crash Response and Stolen Vehicle Slowdown. More information regarding Chevrolet models can be found at www.chevrolet.com

###

Kevin Kelly

GM Communications

Phone 313-665-0898

Mobile 313-316-9742

kevin.m.kelly@gm.com

Randy Fox

Chevrolet Cars

Phone 313-667-4128

Mobile 313-378-5872

randal.l.fox@gm.com



© Copyright General Motors Privacy Policy