



**From:** Planning Manager <PlanningManager@gptcbus.com>  
**Sent:** Thursday, February 08, 2018 5:37 PM  
**To:** IDEM VWTrust  
**Cc:** SEALS, SHAWN  
**Subject:** Text of Public Comment at Portage Public Meeting

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Provided below is a list of the comments made by myself during the Tuesday evening Public Meeting at 6100 Southport Road in Portage. Thank you.

Northwest Indiana is afflicted by industrial and transportation sources. The project priorities should reflect that by:

1. Acknowledging that the category that includes buses mitigates both sources and should have priority.
2. The prioritization should further acknowledge that some projects actually have benefits under the hood - a new transit vehicle cleans the air as well as takes vehicles off the street; the emissions calculations should be allowed to reflect that.
3. Alternative fuels should have some priority.
4. An agency should be allowed to identify a replacement plan over a 4 year period for a single application, to reduce need for piecemeal project applications
5. Further financial impacts should be considered - for instance can this investment actually help partner agencies? Can that be quantified?
6. Further social benefits should be considered in prioritization: environmental justice, mobility, quality of life

**David W. Wright**  
**Planning & Marketing Manager**  
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Gary Public Transportation Corp.  
 PLANNING & MARKETING DEPARTMENT  
 David W. Wright, Director

**From:**  
**Sent:** Friday, February 09, 2018 10:35 AM  
**To:** IDEM VWTrust  
**Subject:** A simple patented device reduces more than 50% of car emissions on Diesel and Benzine engines

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Hi

I am watching Alex Gibney's Dirty Money documentary and he was talking about VW's Diesel pollution scandal.

I am holding in my hand a simple patented device that can reduce emissions by more than 50% !

This device is cheap and retails currently around 200\$ per car – one time purchase.

It can reduce CO and NOx by more than 50% and also reduces HC value showing a better, cleaner combustion is being done.

It also adds about 15-25% MPG on a large variety of models.

It can be installed by the driver, very simple, does not need any maintenance and can last for a few years and does not lose potency.

I would love to share more information about it, is that something that would be interesting for you?

You can email me or call me.

Omer Dagan  
Israel

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**From:**  
**Sent:** Wednesday, January 31, 2018 9:33 AM  
**To:** Clem, Ryan T; ADMIRE, BETH; Tachtiris, Valerie  
**Cc:** Rockensuess, Brian; IDEM VWTrust  
**Subject:** RE: Adobe Connect - Q&A Pod Content from Indiana's Beneficiary Mitigation Plan Public Meeting

I will just forward this to the email address and count it as another comment.

Thanks...Later...Shawn

**From:** Clem, Ryan T  
**Sent:** Wednesday, January 31, 2018 9:20 AM  
**To:** SEALS, SHAWN <SSEALS@idem.IN.gov>; ADMIRE, BETH <BADMIRE@idem.IN.gov>; Tachtiris, Valerie <VTachtir@idem.IN.gov>  
**Cc:** Rockensuess, Brian <BRockens@idem.IN.gov>  
**Subject:** Fwd: Adobe Connect - Q&A Pod Content from Indiana's Beneficiary Mitigation Plan Public Meeting

One comment came in after all comments were read at least night's meeting; I'm not sure if you want to respond directly to her or just submit it as a comment to [ywtrust@idem.in.gov](mailto:ywtrust@idem.in.gov); i have Denise's contact info if you want it:

Denise Abdul-Rahman, NAACP Indiana ECJ: I think an Equity and Inclusion Officer should be hired to assure that Cities and so forth prioritize their projects to support those that have been most negatively impacted by the vehicle emissions. In addition, the NAACP has 35 branches across the State of Indiana, and therefore would be an excellent partner.

\* IDEM MACS(privately): I will make sure that you comment is heard.

Ryan Clem  
IDEM | Director of Communications and External Relations  
317.233.4927  
[Rclem@idem.IN.gov](mailto:Rclem@idem.IN.gov)

Begin forwarded message:

**From:** Adobe Connect Notifications <[admin@adobeconnect.com](mailto:admin@adobeconnect.com)>  
**Date:** January 30, 2018 at 7:20:28 PM EST  
**To:** [rclem@idem.in.gov](mailto:rclem@idem.in.gov)  
**Subject:** Adobe Connect - Q&A Pod Content from Indiana's Beneficiary Mitigation Plan Public Meeting  
**Reply-To:** [Communications@idem.IN.gov](mailto:Communications@idem.IN.gov)

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Answered Questions (1)

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1. (Deleted) ryan: any questions from streaming viewers??

\* IDEM MACS(privately): yes

2. Denise Abdul-Rahman, NAACP Indiana ECJ: I think an Equity and Inclusion Officer should be hired to assure that Cities and so forth prioritize their projects to support those that have been most negatively impacted by the vehicle emissions. In addition, the NAACP has 35 branches across the State of Indiana, and therefore would be an excellent partner.

\* IDEM MACS(privately): I will make sure that you comment is heard.

#### Open Questions (9)

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3. Greg: Will infrastructure projects not related to electric power (ie. propane, CNG, etc) be considered by the committee for funding?

4. BILL ROGERS: Why isn't Fire Apparatus considered for replacement in the class 4-7

5. ryan: can you send those to me and I'll read them at the mic?

6. Whitney: You mentioned midwestern states will have consistency in matching funds, will you also have similar application processes or project forms? In general, can you comment further on the project application process?

7. ryan: need name and question

8. Whitney: Thank you!

9. ryan: my video has been frozen on shawn when he was still up there? audio is fine though. will the video be good on the recorded version we put on the website?

10. ryan: also the mic on the table is low; can't hear Sen. Gard very well at all when she speaks

11. Denise Abdul-Rahman, NAACP Indiana ECJ: okay thank you

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**From:** John Lurkins  
**Sent:** Wednesday, January 31, 2018 9:19 AM  
**To:** IDEM VWTrust  
**Subject:** Full 15% for Light duty zero emission vehicle supply equipment

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John Lurkins

Dear Committee members:

As a private citizen of the State of Indiana and a former owner of two (2) VW diesel engines I feel obligated to advocate for the individuals that were directly impacted by this scandal. These funds were made available to the state, primarily due to private citizens purchasing these vehicles for personal use.

I believe the majority of the citizens that owned these vehicles purchased them with the idea they could use these vehicles as a fuel efficient way to meet their transportation needs.

I trust that the committee and the experts at IDEM will make wise choices by awarding applications that make the greatest environmental impact for the citizens of Indiana.

I would like to advocate for the full (15) fifteen percent of the funds to be used for light duty zero emission vehicle supply equipment. Fast charging supply equipment strategically placed along Indianas interstate system could benefit the citizens of Indiana that are simply looking for a efficient form of transportation that this settlement originated from.

Thank you for your time and consideration,

John Lurkins

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**From:** Marie Bédard <marie.bedard@thelionelectric.com>  
**Sent:** Tuesday, January 23, 2018 10:17 AM  
**To:** SEALS, SHAWN  
**Cc:** IDEM VWTrust  
**Subject:** Volkswagen Mitigation Plan - All-Electric Buses Solution  
**Attachments:** eLionSerieM.PDF; eLionC\_ONEPAGER.PDF

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Dear Mr. Seals,

I hope this email finds you well. My name is Marie Bedard and I am the Business Relationship Manager at The Lion Electric Co., an all-electric bus manufacturing company.

I am contacting you with regards to the Volkswagen mitigation plan and was wondering if you had a few minutes to discuss the potential of replacing diesel school buses (type C and Type A) with all-electric buses? I read the draft beneficiary plan and believe we may be able to help with reducing the number of on-road heavy duty diesel vehicles in Indiana with an immediate, all-electric solution.

Attached please find additional information on the all-electric vehicles we currently offer as well as a link to our [website](#).

Please let me know if you have a few minutes to discuss or if you have any questions. Thank you.

Warm Regards,  
Marie

**Marie Bedard**  
Business Relationship Manager

C 514.717.3703  
T 450.432.5466 ext 281  
1.855.546.6706 ext 281

**[thelionelectric.com](http://thelionelectric.com)**

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**THE LION ELECTRIC CO. - Power in Progress**

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The First Original Equipment Manufacturer  
to Build an **All-Electric School Bus**

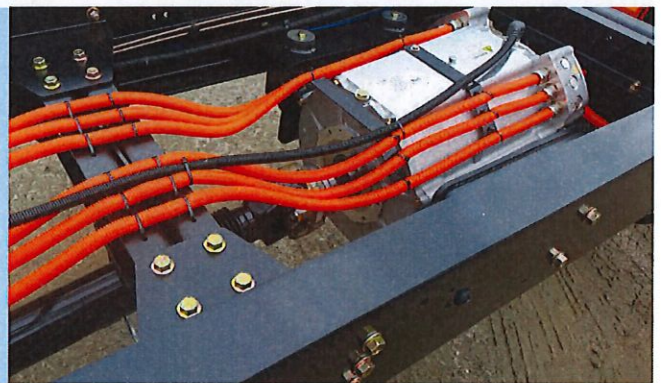


### All-Electric Purpose-Built Chassis & Body

- Unique Lion battery packs with safe & high-performance LG Chem batteries
- Several range options to optimize return on investment and school bus route planning:
  - 50 miles (90 km)
  - 75 miles (120 km)
  - 100 miles (150 km)
- Capacity up to 72 passengers

### Innovative Single-speed Electric Powertrain

- Electric motor delivering up to 250 kW (335 HP)
- 19.2 kW AC on-board charger
- J1772 charging protocol – A standard North American charging system compatible with most public charging stations in North America



WE LOOK FORWARD TO PARTNER WITH YOU IN ORDER TO ELECTRIFY  
THE SCHOOL TRANSPORTATION INDUSTRY AND **REDUCE GREENHOUSE  
GAS EMISSIONS** FOR OUR KIDS & NEXT GENERATIONS.

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LION

## Discover the **eLION** All-Electric School Bus



The eLion is more than just an electric school bus. In addition to its many economic benefits, the eLion stands out as the **only zero-emission solution** available.

The eLion instills important values in younger generations by educating them on the importance of protecting the environment by using clean and renewable energy.

**TOGETHER,  
LET'S DRIVE  
POWER IN  
PROGRESS.**

OVER **1,000,000 KILOMETERS** OF OPERATION WITHIN NUMEROUS ELECTRIC SCHOOL BUS DEPLOYMENTS ACROSS NORTH AMERICA.

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Power in Progress

| eLIONM





The Lion Electric Company manufactures innovative zero emission vehicles. Since its inception in 2008, Lion's mission has been to develop durable and integrated solutions while continuing to reduce its environmental footprint.

Always actively seeking new technologies, Lion vehicles have unique features that are specifically adapted to its users and their everyday needs. The Company believes that transitioning to all-electric vehicles will lead to major improvements in our society, environment and overall quality of life.

Lion is currently developing a minibus that will meet paratransit, school, and public transportation requirements. The minibus will go-to-market during the Summer of 2018. Furthermore, Lion is broadening its vehicle offering by developing class 5 to 8 all-electric trucks. Class 8 vehicles will launch during the Fall of 2018.

We are convinced that Lion will be able to exceed your expectations with the introduction of its new all-electric vehicles which will help foster a healthier and greener world.

**TOGETHER, LET'S DRIVE  
POWER IN PROGRESS.**

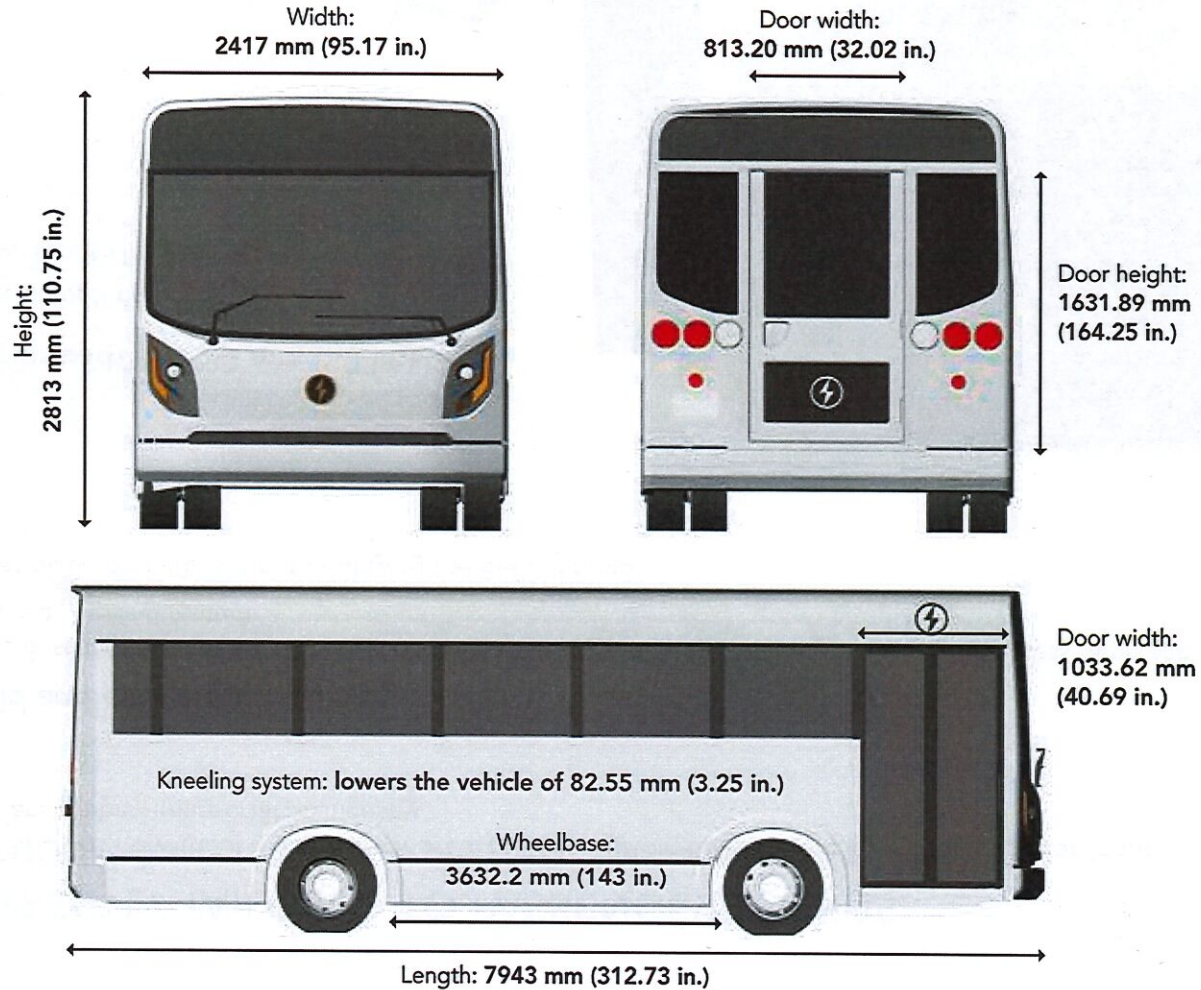
## LION'S NEW PRODUCT LINE

Entirely designed and manufactured by the Original Equipment Manufacturer (OEM), the **eLIONM** will meet the paratransit/urban transportation requirements while reducing the environmental footprint.



## VEHICLE SIZE AND SPECIFIC FEATURES

Created and designed specifically for the paratransit market, the **eLIONM** is spacious and offers unique features that provide enhanced security and accessibility to the end-users.



## PERFECTLY TAILORED TO PASSENGERS NEEDS

The **eLIONM** is without a doubt the most accessible, custom-built and energy-efficient solution in the paratransit/urban transportation industry.

### Rapid and efficient boarding

- The passenger boarding process is completed in seconds with the integrated Bi-Fold access ramp and vehicle kneeling system
- Possibility to board without deploying the Bi-Fold ramp

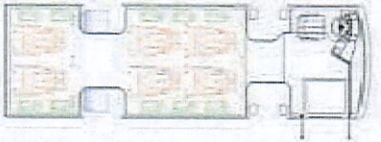
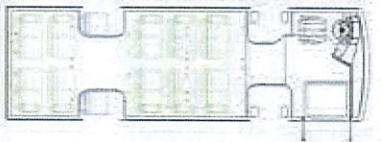


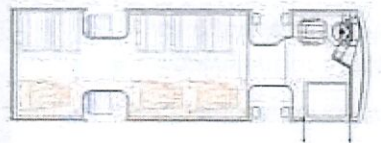
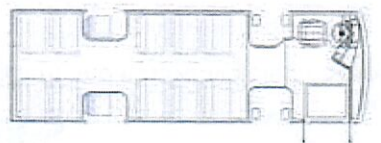
### Interior width: 2290 mm (90 in.)

- Design optimized for paratransit
- Low floor to improve accessibility



## CONFIGURATION EXAMPLES

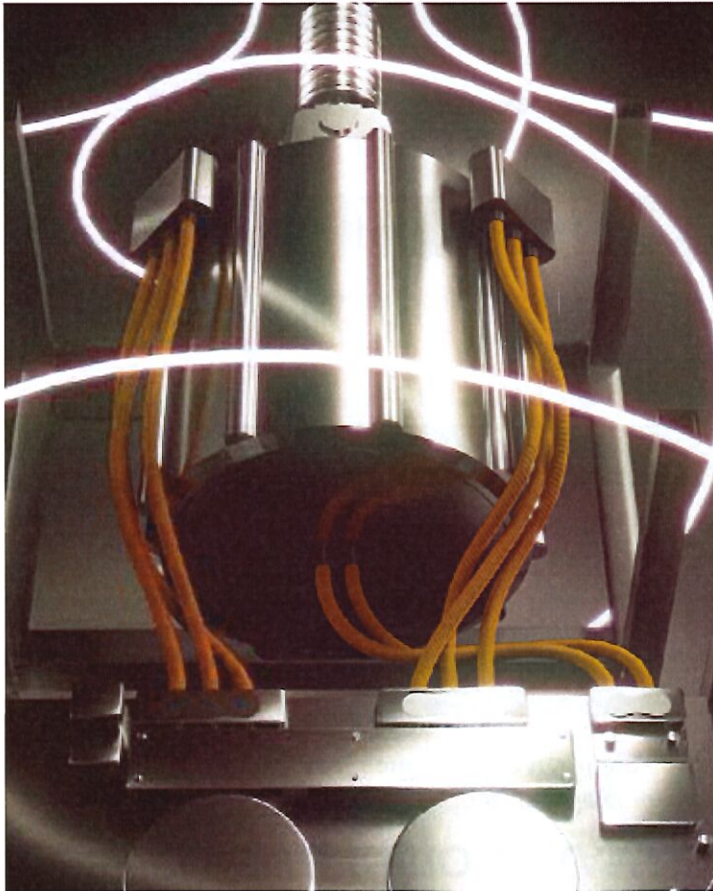
The **eLIONM** offers various flexible configuration options that enhance the interior space and allow rapid and efficient seat configuration transitions.

	RAISED SEATS	LOWERED SEATS	
<b>A</b>			<ul style="list-style-type: none"> <li>- 10 double foldaway seats</li> <li>- 6 wheelchair spaces</li> <li>- 2 fixed single seats</li> </ul>
<b>CAPACITY</b>	6 W/C + 2 AMBULATORY P.S.*	22 AMBULATORY P.S.*	
<b>B</b>			<ul style="list-style-type: none"> <li>- 4 double foldaway seats</li> <li>- 6 wheelchair spaces</li> <li>- 2 fixed single seats</li> </ul>
<b>CAPACITY</b>	6 W/C + 2 AMBULATORY P.S.*	4 W/C + 10 AMBULATORY P.S.*	
<b>C</b>	Foldaway		<ul style="list-style-type: none"> <li>- 5 fixed double seats</li> <li>- 3 wheelchair spaces</li> <li>- 2 fixed single seats</li> </ul>
<b>CAPACITY</b>	—	3 W/C + 12 AMBULATORY P.S.*	
<b>D</b>	Foldaway		<ul style="list-style-type: none"> <li>- 10 fixed double seats</li> <li>- 2 fixed single seats</li> </ul>
<b>CAPACITY</b>	—	22 AMBULATORY P.S.*	

\* Ambulatory passenger seat.

## POWERTRAIN AND BATTERIES

The **eLIONM** stands out with its powerful, efficient and innovative electric motor.



### All-electric powertrain

- Electric motor offers up to 149 kW (200 HP)
- Equivalent or better performance than same category and combustion-engine vehicles

### Safe and high-performance lithium-ion (NMC) batteries from LG Chem

- Same battery technology as the automobile industry
- Range options:
  - 120 km / 75 miles or 240 km / 150 miles (1 or 2 battery packs, 80 kWh each)\*

\* Distance may vary based on certain conditions.



## BATTERY SWAP AND CHARGING OPTIONS

Multiple options are available to make the eLIONM experience unforgettable.



### Quick battery swap

- Possibility to swap batteries in a few minutes, leveraging the unique technology offered
- The battery swapping technology enhances the operation process as well as the fleet and charging infrastructure management

### Charging options

- The eLIONM is equipped with an embedded 19.2 kW charger that leverages the standard J1772 charging protocol
- The DC fast charging is also available as an option (SAE-Combo) and can reduce the overall recharge time

## UNIQUE MONOCOQUE CHASSIS

The **eLIONM** is built with innovative and high-quality materials to enhance performance and durability.



### Custom-made chassis designed specifically for an all-electric vehicle

- The chassis structure is made of the perfect blend of aluminium and steel to maximize strength and minimize weight
- The materials chosen reduce the risk of corrosion and significantly extends the vehicle lifespan
- Using aluminium reduces the weight of the vehicle and increases its range

## LIGHTER VEHICLE

OPTIMAL USE OF ALUMINUM

### Adjustable innovative suspension

- Allows kneeling of 82.55 mm (3.25 in.) to ease passenger boarding process
- Pleasant and steady ride for both the passengers and driver

### FOUR-WHEEL ADJUSTABLE SUSPENSION



## DRIVER'S COMFORT AND PEACE OF MIND

The **eLIONM** will help the driver enhance and improve his or her eco-driving behaviors as well as provide the most ergonomic driving experience possible.



### Ergonomic driver station

- Enhanced comfort and maximized visibility to provide optimal working conditions
- Several adjustments are available to create the best ergonomic driving position possible
- Additional options and access to switches facilitate overall bus operations management and improve usability/overall driver experience

### Custom-built driver information center designed for an all-electric vehicle

- The combination of the standard analogue dial and digital display screen offer a variety of options and management tools that will allow real time view of the following options:
  - Remaining driving range
  - Battery charge level
- Possibility to remote access the vehicle with the embedded telemetry system, enabling faster and easier analysis
- Access to additional informations, such as a driving performance indicator, is available on the optional touchscreen





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