



# COMMONWEALTH of VIRGINIA

Jennifer B. DeBruhl  
Director

DEPARTMENT OF RAIL AND PUBLIC TRANSPORTATION  
600 EAST MAIN STREET, SUITE 2102  
RICHMOND, VA 23219-2416

(804) 786-4440  
FAX (804) 225-3752  
Virginia Relay Center  
800-828-1120 (TDD)

## Price Analysis

**Grantee: Virginia Department of Rail & Public Transportation**

VENDOR: - Gillig  
Nova  
Proterra  
EIDorado  
New Flyer  
MCI

### Adequate Price Competition

#### Purchasing Schedule and Prices:

Following a competitive solicitation for 12-Year Transit Bus, size 29'-60' including Commuter Coach, and Trolleys with various propulsion systems- Diesel, CNG, Hybrid, Hydrogen Fuel Cell, and Battery Electric , DRPT conducted a comparative review of pricing prior to making any awards.

Peer State Review Summary (Refer to attachments below):

#### Summary:

When comparing peer states of Washington and Wisconsin for 12-Year Heavy Duty Transit Buses, we found to be the prices bid by most manufacturers to be relatively consistent, with a variance averaging approximately 8% higher for units. Despite this increase in price Virginia received from manufacturers compared with other states, we feel that this increase is reasonable considering the extreme circumstances impacting the industry currently, including price increases witnessed with other bus markets stemming from labor shortages, material shortages, etc. In addition, the prices obtained from Wisconsin were from June 2021 and from Washington, June 2022. The producer price index, for the Wisconsin contract, was 4.20% and the overall price increase seems logical for Washington, in this current environment, since these were last provided by the OEM's 5 months prior to the time of Virginia's solicitation.

In conclusion, DRPT finds these proposed prices from manufacturer's to be fair and reasonable based on our review of peer states. As stated, the market price increases for public transportation vehicles has been unprecedented. As a result, Virginia, along with other state DOT's, are conducting due diligence to the best of our abilities to adequately compare and analyze pricing prior to making any procurement actions.

Date: 10/21/2022

Print Name: Avery Daugherty

Signature:

A handwritten signature in black ink, appearing to read "Avery Daugherty". The signature is stylized with a large initial 'A' and a long horizontal stroke extending to the right.

Title : Statewide Program Manager

	Virginia	Washington	% +/-	Wisconsin	% +/-	
<b>Gillig</b>						
30' Diesel	\$463,285.00	\$452,303	2%	\$421,715.00	10%	6%
35' Diesel	\$469,210.00	\$410,601	14%	\$428,377.00	10%	12%
40' Diesel	\$473,410.00	\$414,828	14%	\$433,140.00	9%	12%
30' CNG	\$512,556.00	\$502,955	2%	\$479,413.00	7%	4%
35' CNG	\$518,481.00	\$455,915	14%	\$486,132.00	7%	10%
40' CNG	\$522,681.00	\$460,142	14%	\$490,895.00	6%	10%
35' Hybrid	\$711,983.00	\$584,784	22%	\$719,844.00	-1%	10%
40' Hybrid	\$716,183.00	\$589,101	22%	\$724,606.00	-1%	10%
35' Electric	\$919,167.00	\$808,816	14%	N/A		
40' Electric	\$923,367.00	\$813,044	14%	N/A		
<b>New Flyer</b>						
35' Diesel	\$480,690.00	\$480,642	0%	\$464,584.00	3%	2%
40' Diesel	\$485,690.00	\$486,231	0%	\$470,148.00	3%	2%
60' Diesel	\$783,796.25	\$748,914	5%	N/A		
35' Hybrid	\$712,690.00	\$658,373	8%	\$723,067.00	-1%	3%
40' Hybrid	\$717,690.00	\$663,962	8%	\$728,631.00	-2%	3%
60' Hybrid	\$1,075,990.00	\$1,000,419	8%	N/A		
35' CNG	\$534,365.00	\$542,121	-1%	\$509,146.00	5%	2%
40' CNG	\$539,690.00	\$547,710	-1%	\$514,710.00	5%	2%
60' CNG	\$932,796.00	\$907,642	3%	N/A		
35' Electric	\$920,071.00	\$888,639	4%	N/A		
40' Electric	\$930,071.00	\$899,817	3%	N/A		
60 Electric	\$1,421,153.00	\$1,369,293	4%	N/A		
<b>Nova</b>						
40 Diesel	\$522,675.00	\$485,815.00	8%	N/A		
40' Hybrid	\$749,140.00	\$727,465.00	3%	N/A		
40' CNG	\$576,873.00	\$538,079.00	7%	N/A		
40' Electric	\$907,107.00	\$924,086.00	-2%	N/A		
<b>Proterra</b>						
35' Electric	\$916,313.00	\$884,008.00	4%	N/A		
40' Electric	\$906,313.00	\$894,008.00	1%	N/A		
<b>EIDorado</b>						
32' Diesel	\$483,403.46	N/A		N/A		
35' Diesel	\$545,672.66	\$425,212.00	28%	\$461,484.00	18%	23%
40' Diesel	\$556,560.40	\$436,613.00	27%	\$474,051.00	17%	22%
40' Hydrogen	\$1,186,033.64	\$1,195,000.00	-1%	N/A		
40' Electric	\$935,931.76	N/A				
<b>MCI</b>						
45' LF Electric	\$1,349,032	\$1,401,676	-4%	N/A		
45' Electric	\$1,347,033	\$1,311,043	3%	N/A		
45' Diesel	\$684,446	\$666,971	3%	N/A		

Average 8%







### Washington State Heavy Pricing by Sub-Category -NOVA Bus

note: does not include the software and diagnostic cables from specification 31.1 (diagnostic software is included in the option sheets)

Length	Propulsion	Base Price	Initial Training	Prompt Payment Discount	w/n X days
30 ft	Diesel	\$ -	-	-	
30 ft	CNG	\$ -	-	-	
30 ft	Hybrid	\$ -	-	-	
30 ft	Electric	\$ -	-	-	
30 ft	Fuel Cell	\$ -	-	-	
35 ft	Diesel	\$ -	-	-	
35 ft	CNG	\$ -	-	-	
35 ft	Hybrid	\$ -	-	-	
35 ft	Electric	\$ -	-	-	
35 ft	Fuel Cell	\$ -	-	-	
40 ft	Diesel	\$ 485,815.34	-	Not Applicable	Not Applicable
40 ft	CNG	\$ 538,079.13	-	Not Applicable	Not Applicable
40 ft	Hybrid	\$ 727,465.46	-	Not Applicable	Not Applicable
40 ft	Electric	\$ 924,086.49	-	Not Applicable	Not Applicable
40 ft	Fuel Cell	\$ -	-	-	
45 ft	Diesel	\$ -	-	-	
45 ft	CNG	\$ -	-	-	
45 ft	Hybrid	\$ -	-	-	
45 ft	Electric	\$ -	-	-	
45 ft	Fuel Cell	\$ -	-	-	
60 ft	Diesel	\$ 783,887.85	-	Not Applicable	Not Applicable
60 ft	CNG	\$ -	-	-	
60 ft	Hybrid	\$ 1,128,829.00	-	Not Applicable	Not Applicable
60 ft	Electric	\$ -	-	-	
60 ft	Fuel Cell	\$ -	-	-	

### Parts

Category	Rate %
General Parts List	5%
Engine	Not applicable
Transmission	5%
Electrical	5%
HVAC	5%
etc	5%
etc	5%

### Delivery Costs by Sub-Category

Delivery/Freight Charge	One-Way delivery cost (per mile)	Example Cost to Olympia, WA
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -
Quote	Quote	8,332.00
Quote	Quote	8,846.00
Quote	Quote	9,329.00
Quote	Quote	25,390.00
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -
Quote	quote	10,657.00
\$ -	\$ -	\$ -
Quote	quote	11,261.00
\$ -	\$ -	\$ -
\$ -	\$ -	\$ -

### Volume Discount

# of buses ordered	Discount offered
Not Applicable	Not Applicable

### Washington-Heavy Pricing by Sub-Category-New Flyer

note: does not include the software and diagnostic cables from specification 31.1 (diagnostic software is included in the option sheets)

Length	Propulsion	Base Price	6/1/22 Price Change	Initial Training	Prompt Payment Discount	w/n X days
30 ft	Diesel	N/A		N/A	N/A	N/A
30 ft	CNG	N/A		N/A	N/A	N/A
30 ft	Hybrid	N/A		N/A	N/A	N/A
30 ft	Electric	N/A		N/A	N/A	N/A
30 ft	Fuel Cell	N/A		N/A	N/A	N/A
35 ft	Diesel	\$ 429,990.00	\$ 480,642.82	Refer Training Pricing	\$ (1,728.00)	10
35 ft	CNG	\$ 484,990.00	\$ 542,121.82	Refer Training Pricing	\$ (1,912.00)	10
35 ft	Hybrid (Allison)	\$ 588,990.00	\$ 658,373.02	Refer Training Pricing	\$ (2,384.00)	10
35 ft	Electric (388kWh)	\$ 794,990.00	\$ 888,639.82	Refer Training Pricing	\$ (3,219.00)	10
35 ft	Fuel Cell	N/A		N/A	N/A	N/A
35 ft	Hybrid (BAE)	\$ 591,990.00	\$ 661,726.42	Refer Training Pricing	\$ (2,384.00)	10
40 ft	Diesel	\$ 434,990.00	\$ 486,231.82	Refer Training Pricing	\$ (1,749.00)	10
40 ft	CNG	\$ 489,990.00	\$ 547,710.82	Refer Training Pricing	\$ (1,933.00)	10
40 ft	Hybrid (Allison)	\$ 593,990.00	\$ 663,962.02	Refer Training Pricing	\$ (2,405.00)	10
40 ft	Electric (388kWh)	\$ 804,990.00	\$ 899,817.82	Refer Training Pricing	\$ (3,260.00)	10
40 ft	Fuel Cell	\$ 1,086,990.00	\$ 1,215,037.42	Refer Training Pricing	\$ (4,233.00)	10
40 ft	Hybrid (BAE)	\$ 596,990.00	\$ 667,315.42	Refer Training Pricing	\$ (2,405.00)	10
45 ft	Diesel	N/A		N/A	N/A	N/A
45 ft	CNG	N/A		N/A	N/A	N/A
45 ft	Hybrid	N/A		N/A	N/A	N/A
45 ft	Electric	N/A		N/A	N/A	N/A
45 ft	Fuel Cell	N/A		N/A	N/A	N/A
60 ft	Diesel	\$ 669,990.00	\$ 748,914.82	Refer Training Pricing	\$ (2,719.00)	10
60 ft	CNG	\$ 811,990.00	\$ 907,642.42	Refer Training Pricing	\$ (2,927.00)	10
60 ft	Hybrid (Allison)	\$ 894,990.00	\$ 1,000,419.82	Refer Training Pricing	\$ (3,613.00)	10
60 ft	Electric (466kWh)	\$ 1,224,990.00	\$ 1,369,293.82	Refer Training Pricing	\$ (4,969.00)	10
60 ft	Fuel Cell	\$ 1,499,990.00	\$ 1,676,688.82	Refer Training Pricing	\$ (5,843.00)	10
60 ft	Hybrid (BAE)	\$ 914,990.00	\$ 1,022,775.82	Refer Training Pricing	\$ (3,613.00)	10

### Parts

Category	Rate %
General Parts List	
Engine	
Transmission	
Electrical	
HVAC	
etc	
etc	

NFI Parts will provide a first-bus Recommended Stocking List (RSL) during customer's first-bus delivery.

This RSL parts listing will include part number, item description, stocking status, lead time and 30-day pricing information which will assist the customer in stocking parts that will support both the customer's regular and preventive bus maintenance programs.

This abbreviated list is compiled using the actual bus build information that is available in the customer's bus production Bill of Material (BOM) NFI Parts will also provide the customer with a more inclusive Parts Provisioning List following last-bus delivery.

This listing will be compiled using further part assembly breakdown information identified in the customers

Parts manual and will assist in stocking additional parts that further support new bus operations and maintenance over the next 2-3 years.

### Delivery Costs by Sub-Category

Delivery/Freight Charge	One-Way delivery cost (per mile)	Example Cost to Olympia, WA
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
Included	Included	Included
Included	Included	Included
Included	Included	Included
Included	Included	Included
N/A	N/A	N/A
Included	Included	Included
Included	Included	Included
Included	Included	Included
Included	Included	Included
Included	Included	Included
Included	Included	Included
Included	Included	Included
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
Included	Included	Included
Included	Included	Included
Included	Included	Included
Included	Included	Included
Included	Included	Included

### Volume Discount

# of buses ordered	Discount offered
1-4 each	0
5-9 each	-1500
>10 each	-3000













219	Bike rack-2 bike stainless steel	\$1,205.83	\$1,205.83	\$1,205.83	4.20%	\$1,256.47	\$1,256.47	\$1,256.47	\$1,284.80	\$1,284.80	\$1,284.80	\$1,338.77	\$1,338.77	\$1,338.77	NA			4.20%
220	Bike rack-2 bike stainless steel (Bk-Rak)				4.20%								\$1,338.77		NA			4.20%
221	Bike rack-3 bike powder coat				4.20%										NA			4.20%
222	Bike rack-3 bike powder coat				4.20%										NA			4.20%
223	Bike rack-3 bike stainless steel	\$1,783.71	\$1,783.71	\$1,783.71	4.20%	\$1,858.63	\$1,858.63	\$1,858.63							NA			4.20%
224	Bike rack-3 bike stainless steel				4.20%										NA			4.20%
225	Safety Equipment: Fire Extinguisher	\$88.15	\$88.15	\$88.15	4.20%	\$91.85	\$91.85	\$91.85	base	base	base	base	base	base	NA	base		4.20%
226	Safety Equipment: Safety Triangle kit	\$30.47	\$30.47	\$30.47	4.20%	\$31.75	\$31.75	\$31.75	base	base	base	base	base	base	NA	base		4.20%
227	Safety Equipment: Blood born pathogen kit	\$72.92	\$72.92	\$72.92	4.20%	\$75.98	\$75.98	\$75.98	\$37.38	\$37.38	\$37.38	\$37.38	\$38.95	\$38.95	NA	\$38.51		4.20%
228	Safety Equipment: Wheel chocks (per set)	\$180.66	\$180.66	\$180.66	4.20%	\$188.24	\$188.24	\$188.24	\$37.38	\$37.38	\$37.38	\$37.38	\$38.95	\$38.95	NA	\$103.62		4.20%
229	Driver Display Unit				4.20%										NA			4.20%
230	Bus Structure- stainless steel	n/a	\$16,324.38	\$16,324.38	4.20%	n/a	\$17,010.00	\$17,010.00							NA			4.20%