



# FY2019 Annual Transit Performance Report

Northern Virginia Transportation Commission

October 3, 2019

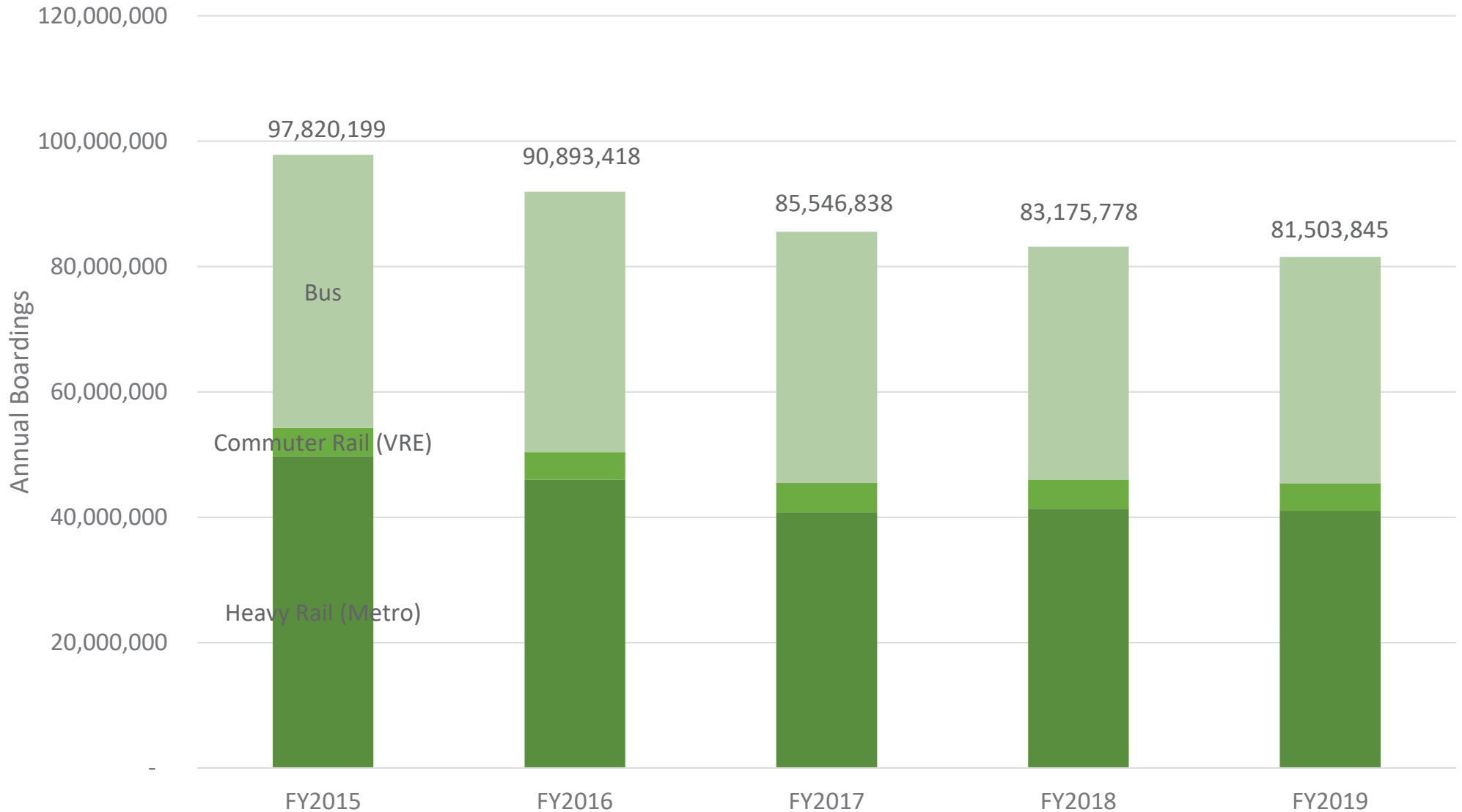
# FY2019 Annual Transit Performance Report

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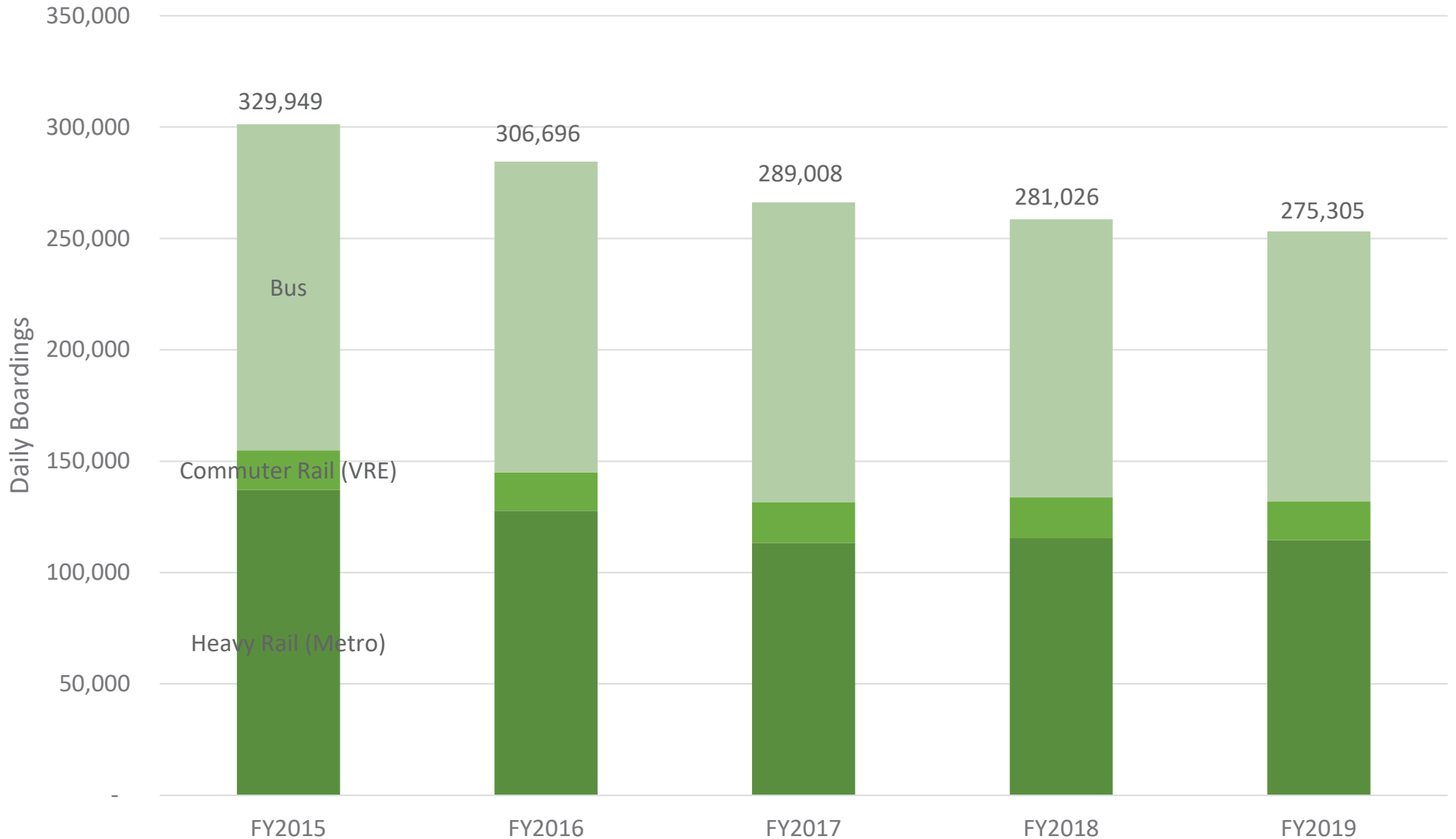
## Figure 1: Northern Virginia Annual Transit Boardings (All Modes), FY2015 - FY2019

*Almost half of all unlinked transit trips in Northern Virginia involve bus. VRE, with the lowest service levels still carries about seven percent of unlinked transit trips. Although transit use has been declining from an all-time high, it is starting to stabilize.*



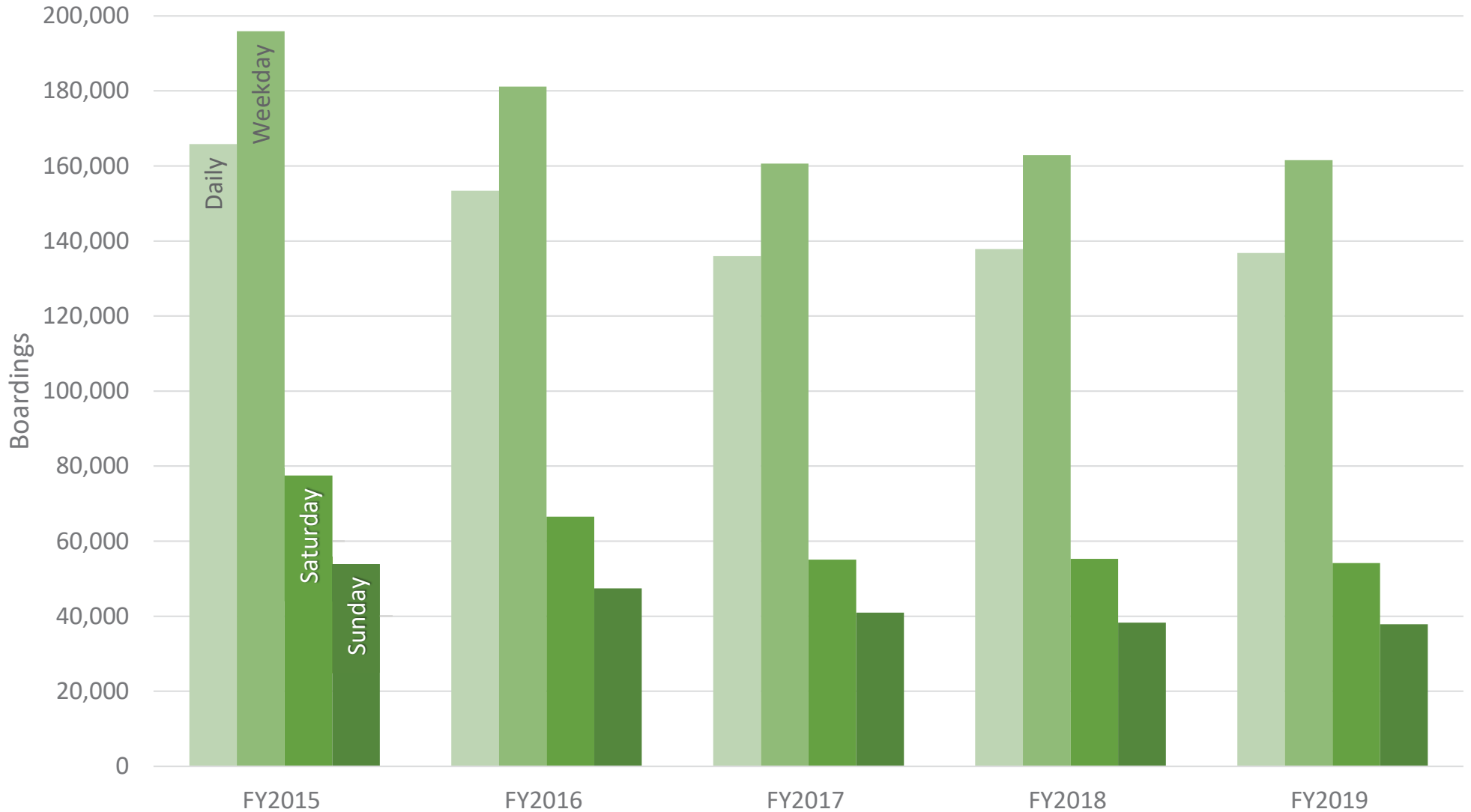
## Figure 2: Northern Virginia Average Daily Transit Boardings (All Modes), FY2015- FY2019

*Transit moves over a quarter million people on an average day in Northern Virginia. Although in recent years ridership has been declining from an all-time high, it is starting to stabilize and individual systems are seeing small gains in ridership.*



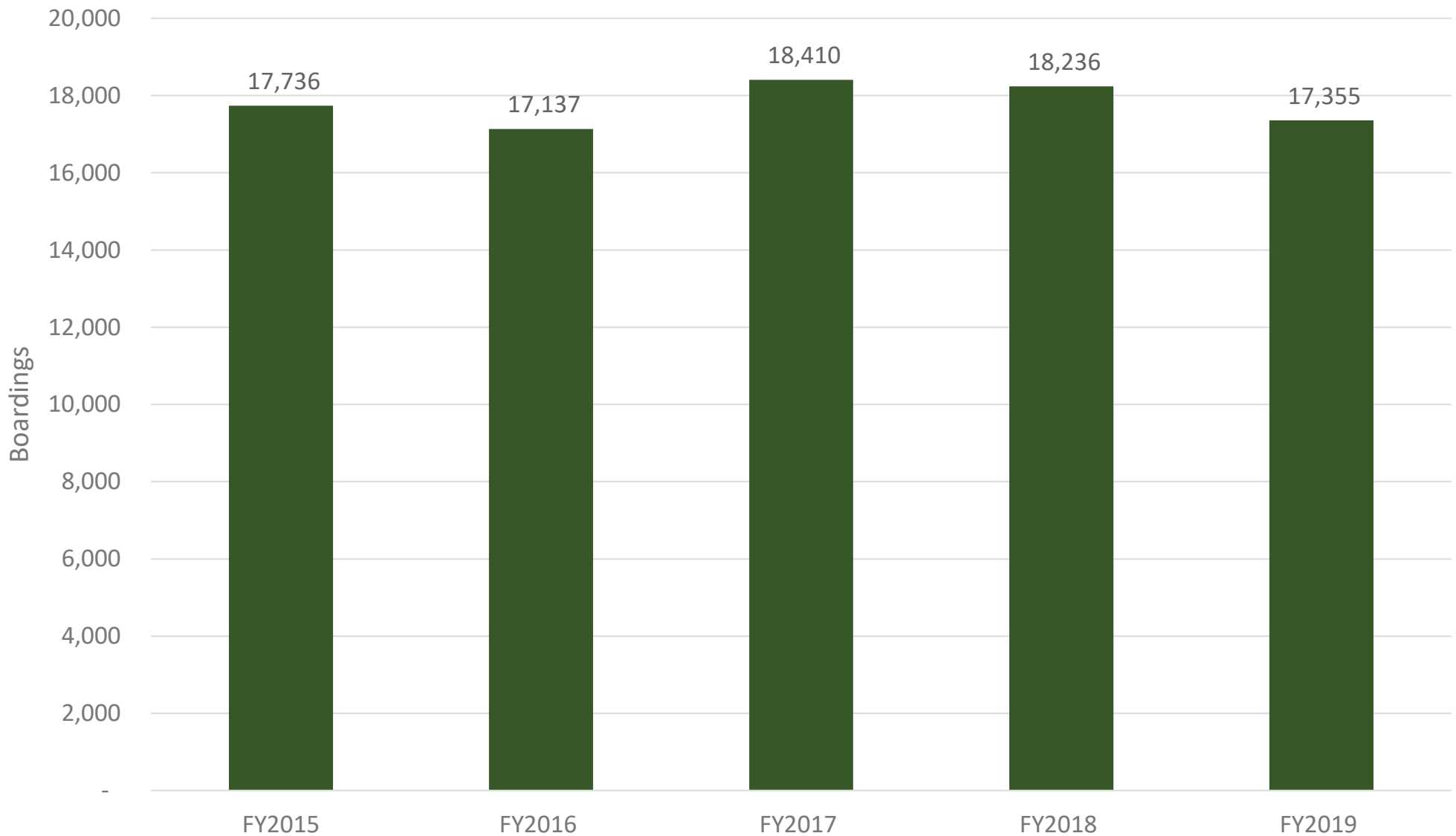
**Figure 3: Northern Virginia Metrorail, Average Transit Boardings (Daily/Weekday/Saturday/Sunday), FY2015 - FY2019**

*Weekday ridership is influenced greatly by commuter travel. The weekday average ridership is greater than twice the Saturday or Sunday average ridership. Although ridership has been declining for weekdays and weekends, the weekday ridership ratio to weekend ridership has been increasing and reflects added reliability for weekday service.*



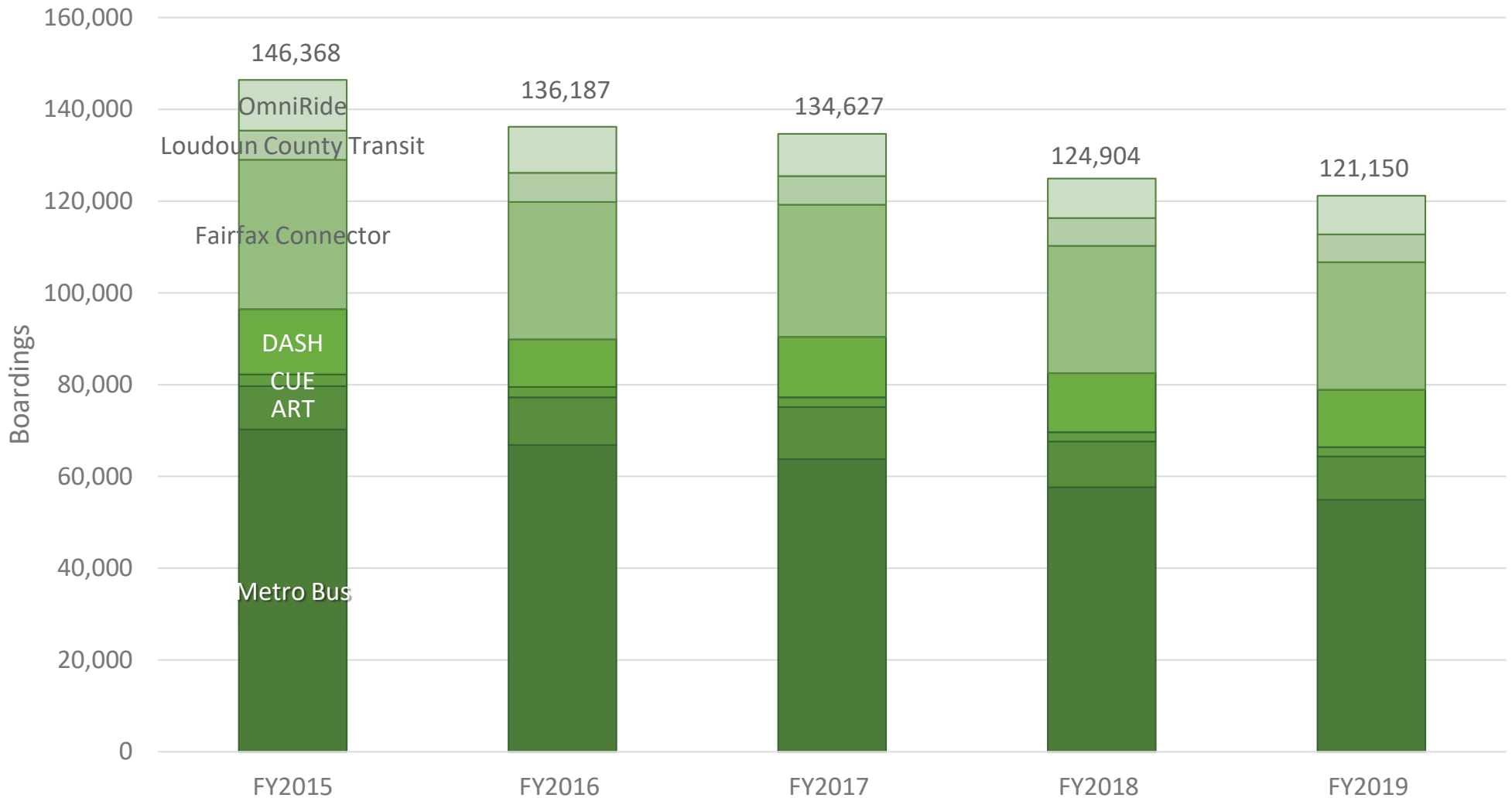
### Figure 4: Virginia Railway Express (VRE) Average Daily Boardings, FY2015 - FY2019

*Virginia Railway Express continues to experience strong ridership and train utilization. The service – which operates on weekdays, primarily in the morning and evening commuter periods – carries close to 10 percent of the transit riders in Northern Virginia.*



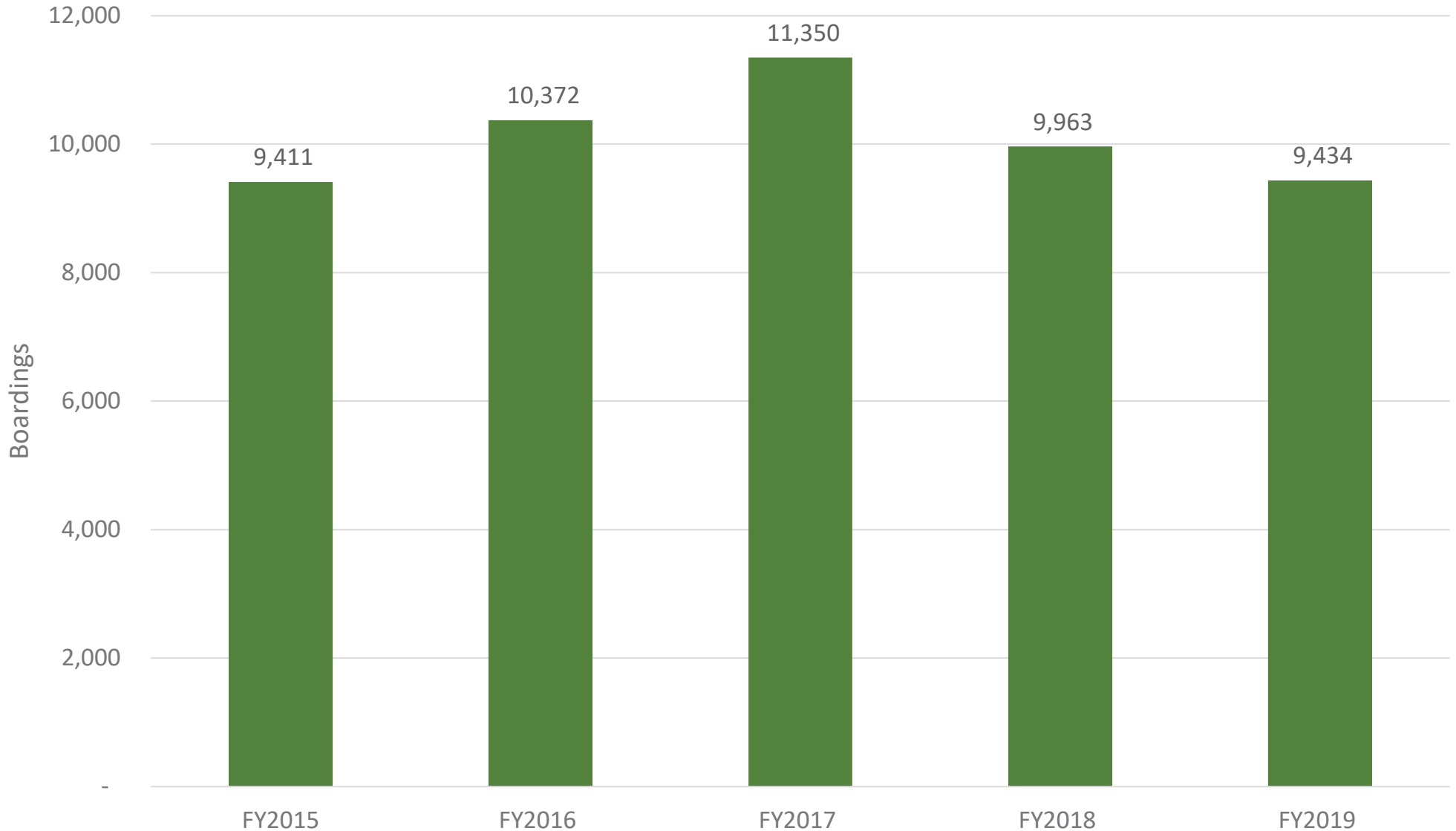
**Figure 5: Northern Virginia Average Daily Bus Boardings, FY2015 - FY2019**

*Metrobus carries the majority of bus riders in Northern Virginia. Fairfax Connector carries approximately half as many riders and DASH a quarter of the Metrobus riders. Overall, bus in Northern Virginia has shown a decline in ridership from the a high in FY2015, but recent figures show a stabilizing of that trend with limited growth for some systems.*



### Figure 6: ART Average Daily Boardings, FY2015 - FY2019

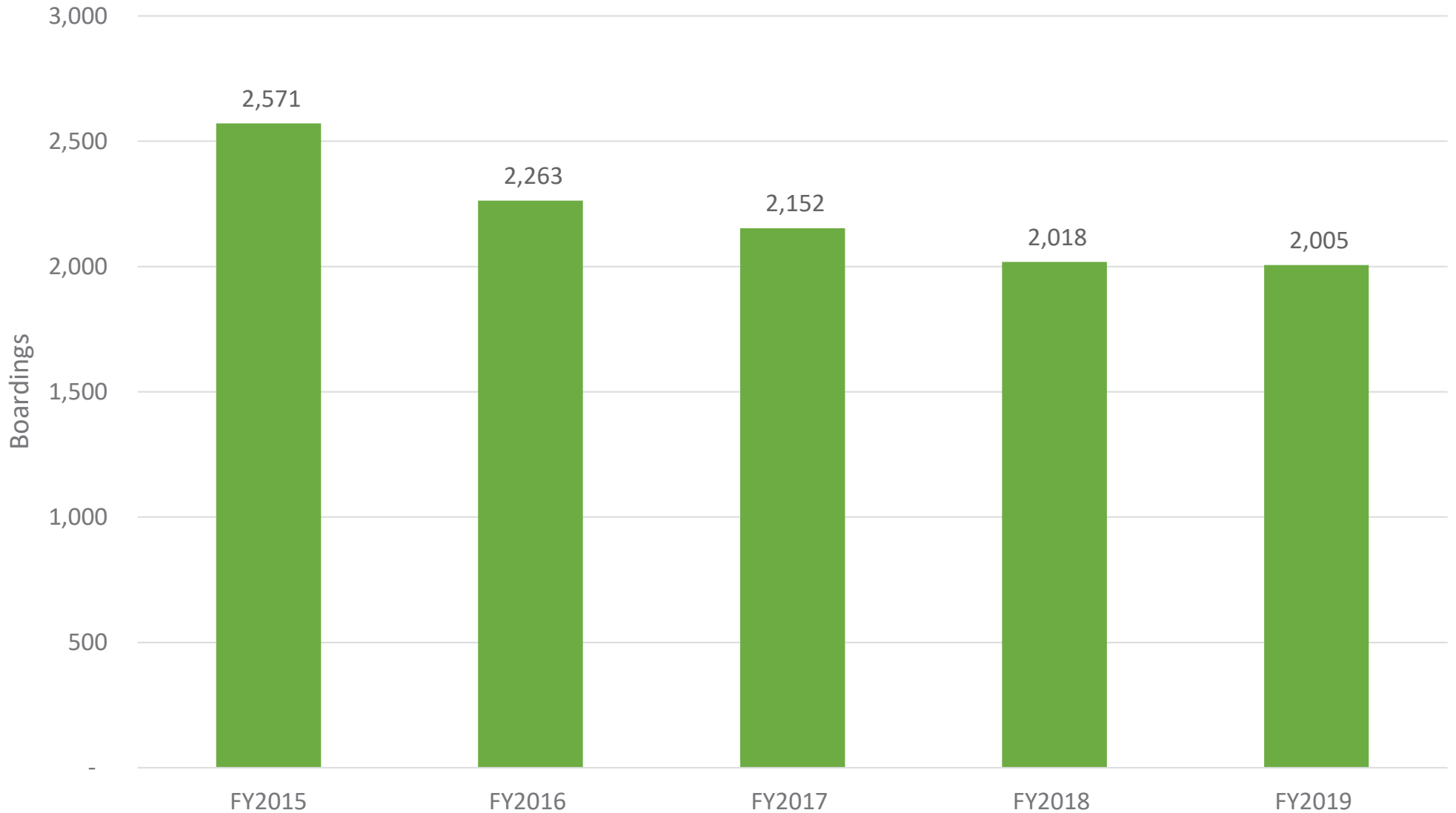
*Unlike other bus systems in Northern Virginia, ART ridership peaked in FY2017. Current ridership levels show a return to earlier levels. Recent ridership numbers show modest growth and might represent an improving trend for the coming year.*





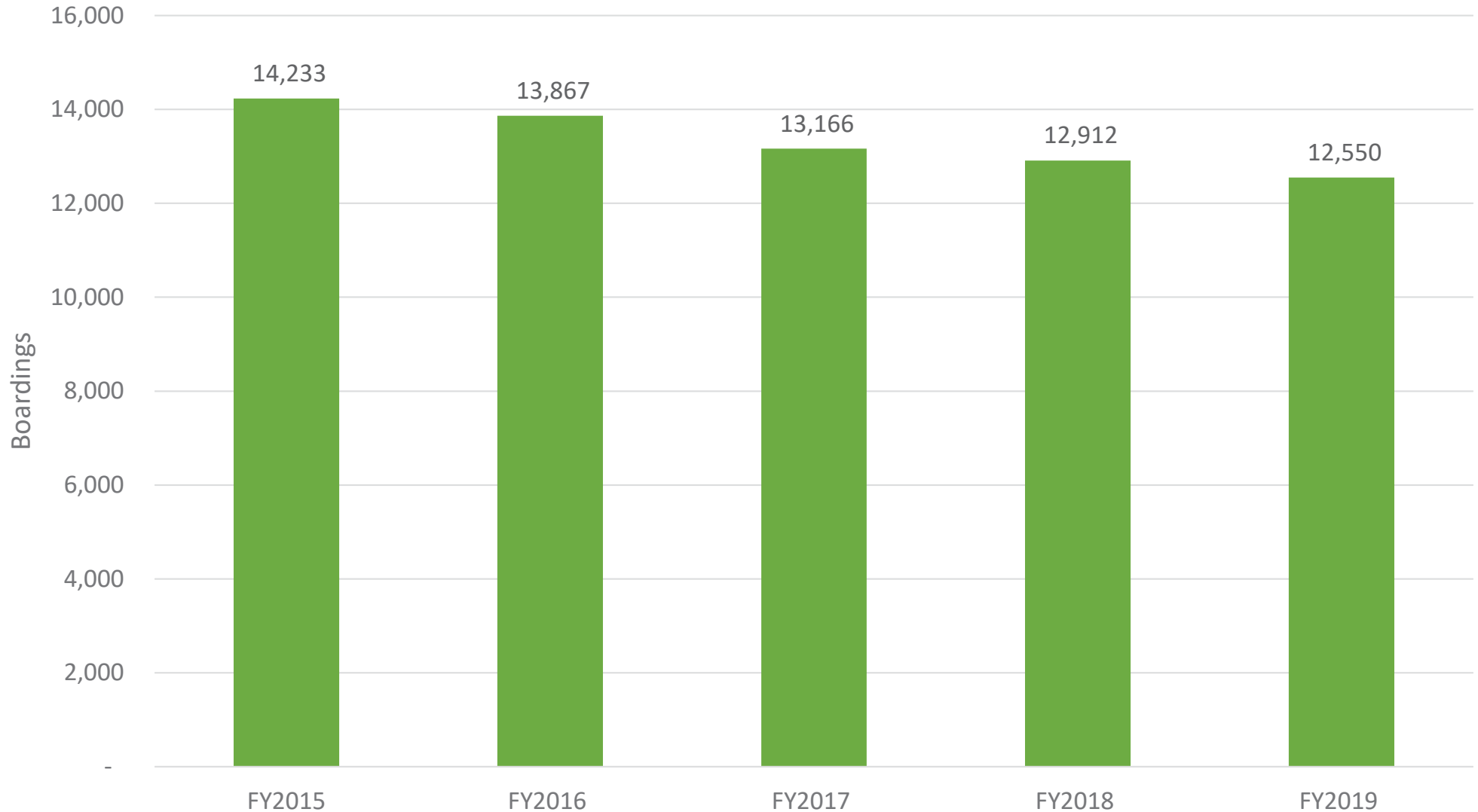
### Figure 7: CUE Bus Average Daily Boardings, FY2015 - FY2019

*CUE ridership has been stabilizing since a high in 2015. GMU has added transit service for its students and faculty impacting CUE. As GMU continues to grow, with further outreach and coordination with the university CUE could see increased ridership.*



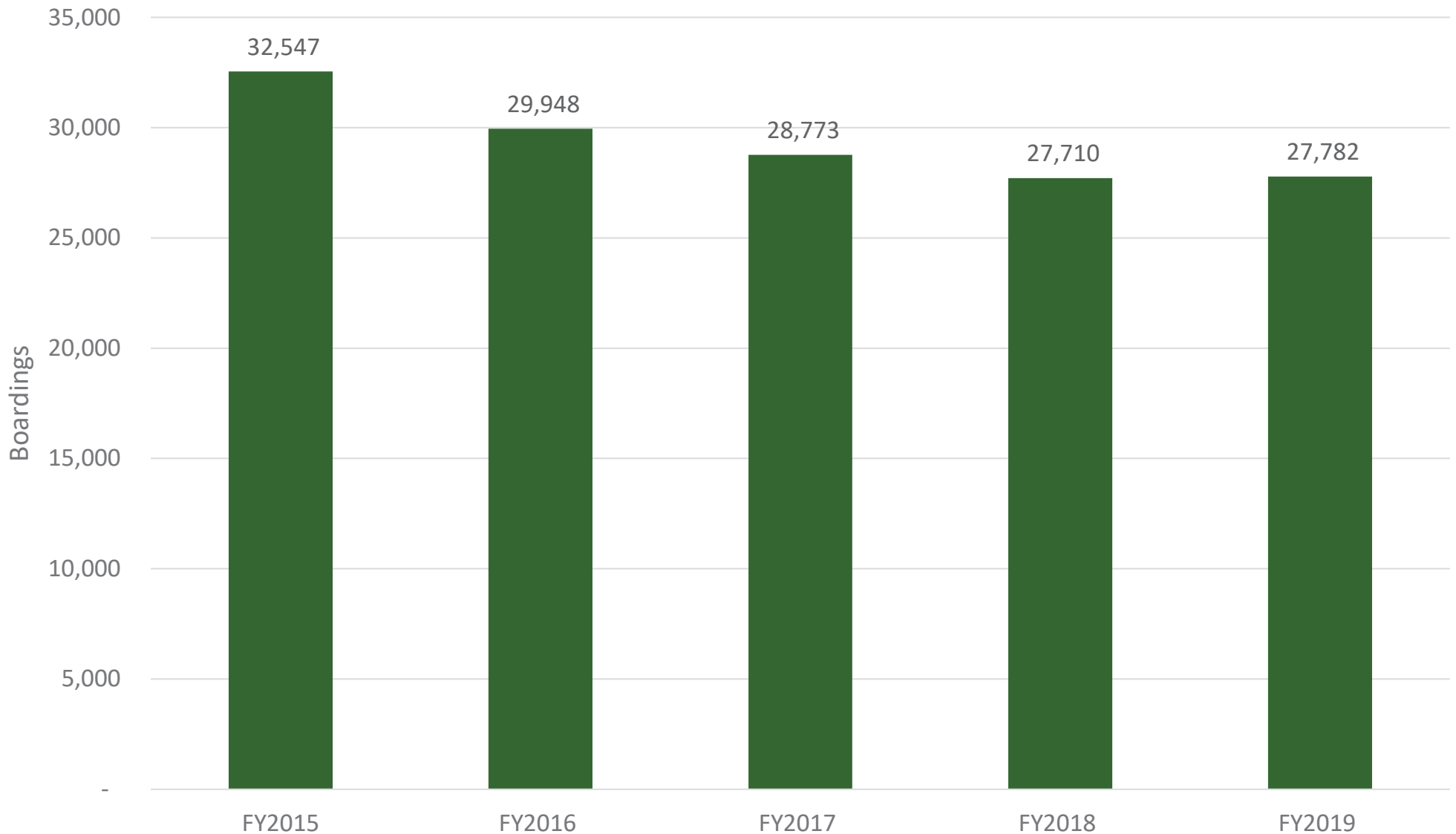
### Figure 8: DASH Average Daily Boardings, FY2015 - FY2019

*By the end of FY2019, DASH ridership was consistent to last year. The 2019 summer service shutdown on Metrorail impact transit riders in Alexandria, and DASH ridership did decline towards the end of FY2019. DASH has the third largest bus ridership in Northern Virginia. Recent annual ridership trends show an overall stabilizing of the ridership.*



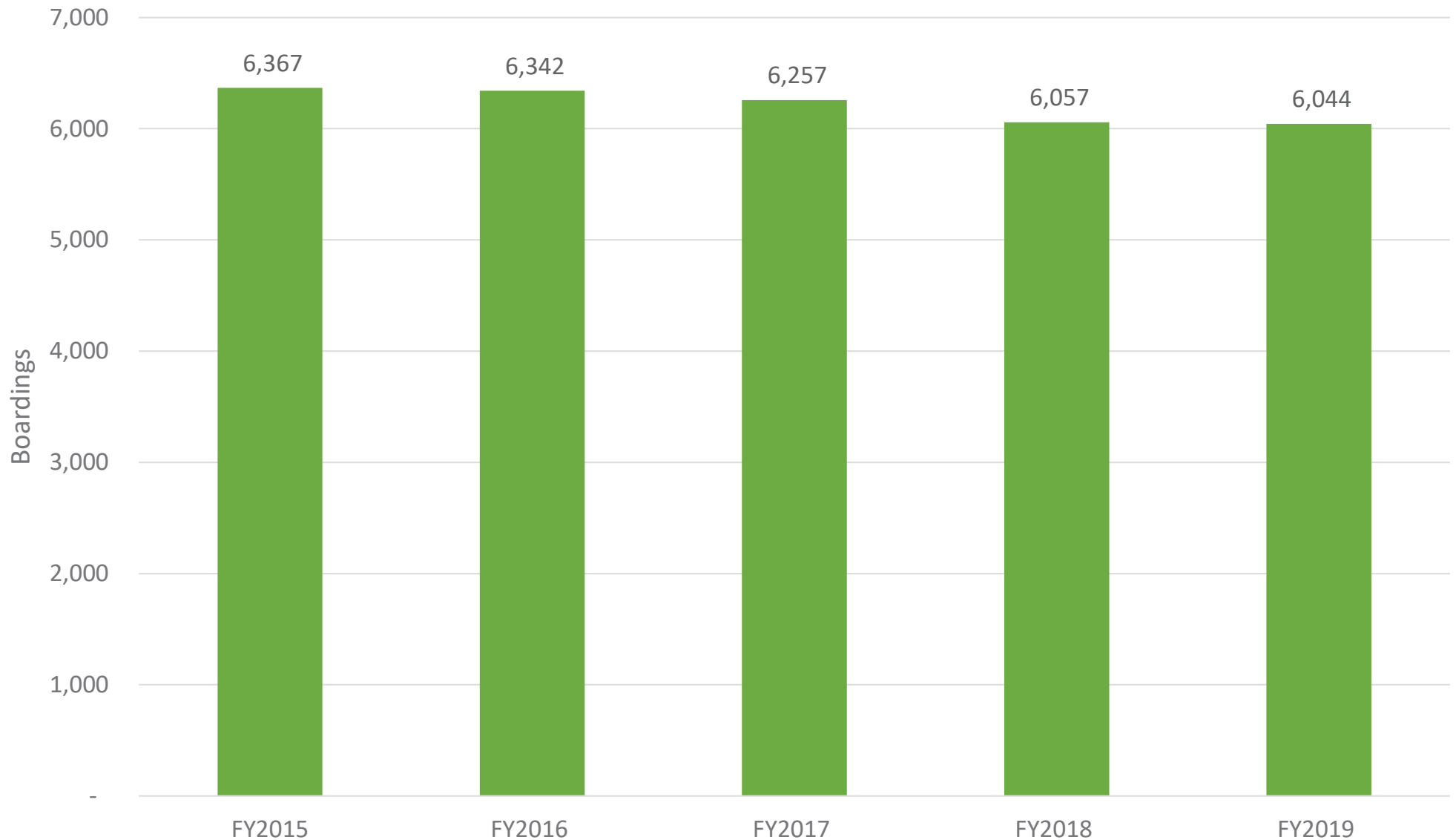
### Figure 9: Fairfax Connector Average Daily Boardings, FY2015 - FY2019

*Fairfax Connector carries the second highest number of bus riders in Northern Virginia. Ridership was declining from FY2015, but recent trends show a stabilization of the ridership. Fairfax County has the highest planned employment growth in Northern Virginia, and ridership will probably continue with the current trend of growth.*



### Figure 10: Loudoun County Transit Average Daily Boardings, FY2015 - FY2019

*Loudoun County Transit has experienced consistent ridership levels with only modest variation over the past five years. Recently monthly data shows an increase in ridership.*



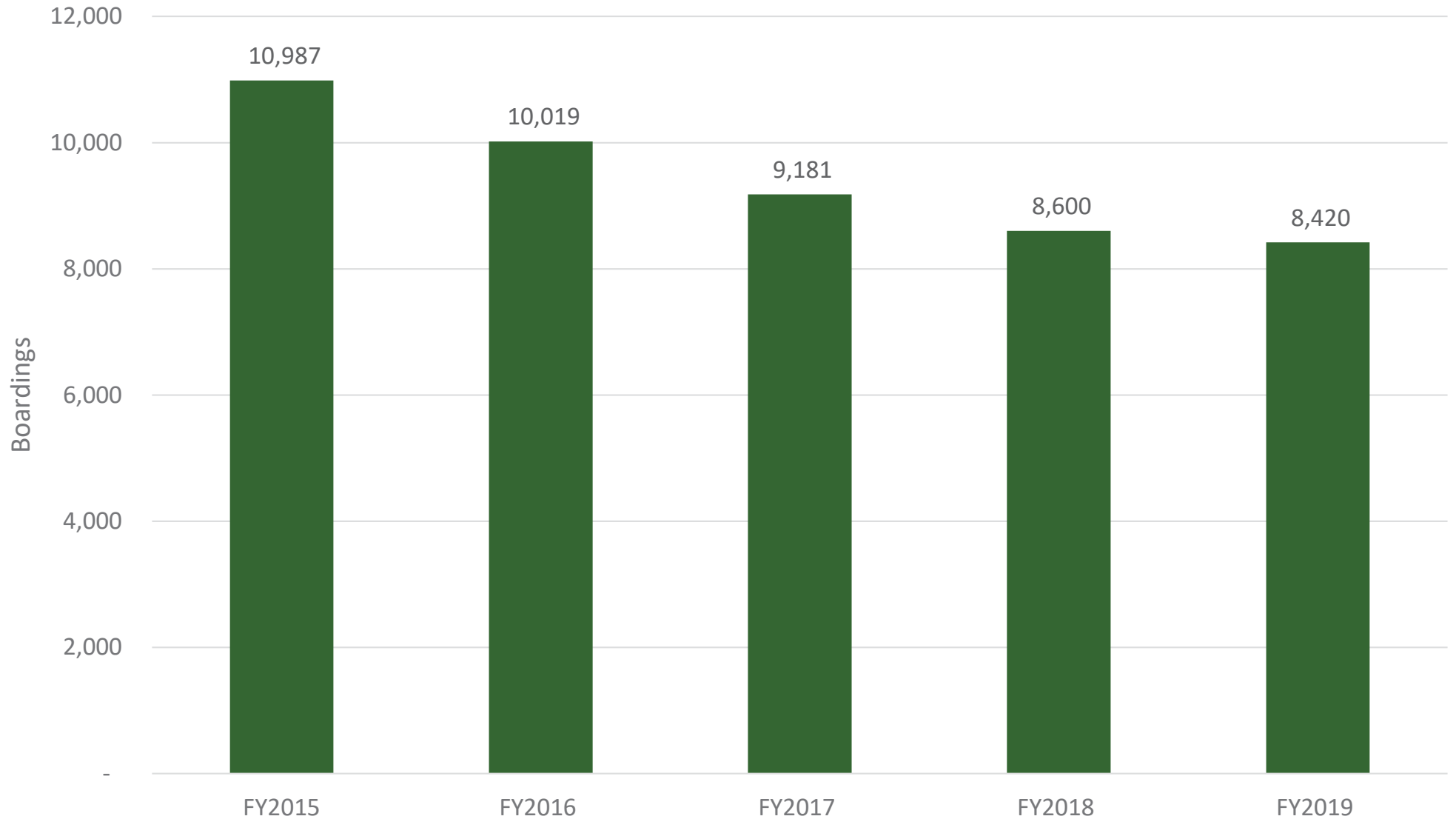
### Figure 11: Northern Virginia Metrobus Average Daily Boardings, FY2015 - FY2019

*Metrobus carries the majority of bus riders in Northern Virginia. Service and ridership have declined since FY2015, but recent trends show ridership stabilizing.*



**Figure 12: OmniRide Average Daily Boardings, FY2015 - FY2019**

*OmniRide has shown a decline in riders, much of that is due to local service versus long haul commuter bus service. The ridership is starting to stabilize, with routes funded by Commuter Choice showing strong ridership numbers.*



**Figure 13: Northern Virginia Metrorail, Average Transit Boardings by Station;  
(Weekday/Saturday/Sunday), FY2018 - FY2019, Arlington and Alexandria Stations**

Station	FY2018			FY2019		
	Weekday	Saturday	Sunday	Weekday	Saturday	Sunday
<b>Stations in Alexandria</b>						
Blue/Yellow Line Stations						
Braddock Road	4,135	1,410	918	3,826	1,401	899
Van Dorn Street	2,539	927	534	2,265	777	456
Eisenhower Avenue	1,771	726	440	1,585	612	368
King Street	6,742	3,563	2,544	5,679	2,700	1,915
<b>Total Alexandria:</b>	<b>15,187</b>	<b>6,626</b>	<b>4,435</b>	<b>13,355</b>	<b>5,490</b>	<b>3,638</b>
<b>Stations in Arlington</b>						
Orange/Silver Line Stations						
East Falls Church	3,907	1,608	1,005	3,813	1,594	1,004
Ballston	9,005	3,155	1,892	9,232	3,276	1,957
Virginia Square	3,670	1,143	688	3,793	1,279	784
Clarendon	4,187	1,830	1,138	4,478	2,051	1,283
Courthouse	6,379	2,176	1,302	6,349	2,283	1,396
Rosslyn	12,626	4,292	3,317	13,059	4,487	3,597
Blue/Yellow Line Stations						
Arlington Cemetery	1,206	1,871	1,493	1,086	1,699	1,407
Pentagon	13,286	1,425	1,016	13,785	1,230	989
Pentagon City	12,035	6,824	4,553	12,133	7,069	4,572
Crystal City	10,516	3,725	2,526	10,847	3,634	2,605
National Airport	5,539	3,803	4,756	5,715	3,865	4,944
<b>Total Arlington:</b>	<b>82,357</b>	<b>31,851</b>	<b>23,685</b>	<b>84,290</b>	<b>32,468</b>	<b>24,537</b>

**Figure 14: Northern Virginia Metrorail, Average Transit Boardings by Station; (Weekday/Saturday/Sunday), FY2018 - FY2019, Fairfax County Stations**

Station	FY2018			FY2019		
	Weekday	Saturday	Sunday	Weekday	Saturday	Sunday
<b>Stations in Fairfax County</b>						
Orange Line Stations						
Vienna	8,956	3,281	1,853	8,686	3,393	1,918
Dunn Loring	3,715	1,297	748	3,720	1,316	760
West Falls Church	2,396	746	446	2,463	773	435
Blue/Yellow Line Stations						
Huntington	6,730	2,342	1,499	5,832	1,872	1,188
Franconia-Springfield	5,891	2,771	1,592	5,172	2,237	1,269
Silver Line Stations						
Wiehle Reston East	7,415	3,027	1,987	7,650	3,100	2,009
Spring Hill	1,145	542	336	1,139	547	348
Greensboro	1,247	355	200	1,415	372	211
Tysons Corner	3,347	2,053	1,259	3,507	2,154	1,296
McLean	1,740	436	245	2,081	478	265
<b>Total Fairfax County:</b>	<b>42,582</b>	<b>16,849</b>	<b>10,166</b>	<b>41,664</b>	<b>16,243</b>	<b>9,700</b>



# Definition of Metrics

- **Average Weekday Boardings:**

- The sum of the times a person enters a transit vehicle or station during a non-holiday weekday throughout the year divided by the number of non-holiday weekdays during the year.

- **Average Saturday or Sunday Boardings:**

- The sum of the times a person enters a transit vehicle or station during a Saturday or Sunday service level day throughout the year divided by the number of Saturday or Sunday service level days during the year.

- **Average Daily Boardings:**

- The sum of the times a person enters a transit vehicle or station during the year divided by a weighted average of service days during that year.
- The mathematical equation used for this analysis was:

$$\begin{aligned} \text{Average Daily Boardings} = & (\text{number of weekdays}) \times (\text{annual weekday boardings}) \\ & + (\text{number of Saturdays}) \times (\text{annual Saturday boardings}) \times 0.5 \\ & + (\text{number of Sundays \& holidays}) \times (\text{annual Sunday \& holiday boardings}) \times 0.3 \end{aligned}$$

0.5 represent the difference in weekday to Saturday service levels

0.3 represents the difference in weekday to Sunday and Holiday service levels