

## **NTA DART EXPANSION PROGRAMME**

### **NTA DART EXPANSION PROGRAMME FUTURE PATRONAGE MODELLING**

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June 10, 2020

**National Transport Authority**

TPF-053



NTA DART EXPANSION PROGRAMME FUTURE PATRONAGE MODELLING

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## NTA DART EXPANSION PROGRAMME FUTURE PATRONAGE MODELLING – ASSESSMENT REPORT



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Irish Rail

# DART EXPANSION PROGRAMME

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# 1. INTRODUCTION

## 1.1 Overview

1.1.1 As part of the **DART Expansion Programme Options Assessment Study**, undertaken in 2018, a train service specification was developed for the expanded DART network.

1.1.2 As the various elements are now progressing into the preliminary design stage, the NTA commissioned SYSTRA and Jacobs to consider the likely future demand on the expanded DART network by undertaking strategic transport modelling using the preferred option (Scheme Bundle 6, TSS Option 2). This modelling will be used to determine the potential and likely future demand on the expanded DART network in the medium and long term.

1.1.3 This report details the outputs of the strategic modelling arising from the assessment on potential and likely future demand.

## 1.2 Background

1.2.1 In 2018, the NTA commissioned SYSTRA and Jacobs to undertake an extensive transport modelling and appraisal assessment of the DART Expansion Programme, which is a key infrastructure measure which forms part of the Government’s Project Ireland 2040<sup>1</sup> - National Planning Framework (NPF) and National

Development Plan (NDP) 2018-2027 and the National Transport Authority’s (NTA) Greater Dublin Area (GDA) Transport Strategy<sup>2</sup>.

1.2.2 The project sought to identify a lower cost alternative to the proposed DART underground tunnel component of the DART Expansion Programme. It did this in the context of the importance of the DART Expansion Programme as identified in the GDA Transport Strategy and following on from the NTA recommendations on the deferral of the DART Underground Project in 2015. It also sought to deliver transport user benefits which were as close as possible to those delivered by the original DART Underground scheme and to maintain all other elements of the DART Expansion Programme.

1.2.3 As part of this study, detailed timetable modelling of the preferred Bundle 6 option was undertaken under TP-062 and a ‘Greater Dublin Area Timetable Modelling – Review Paper’ was produced providing a capacity analysis and a proposed Train Service Specification (TSS) for the wider rail network across the GDA.

## 1.3 Purpose of this Report

1.3.1 This report summarises the outcomes of a strategic modelling assessment of the DART Expansion Scheme Bundle 6, TSS Option 2 with potential and likely future demand tested in the medium and long term.

<sup>1</sup> Project Ireland 2040 is the Government’s overarching planning policy initiative for development up to 2040. It was published along with its associated documents the National Planning Framework to 2040 and the National Development Plan 2018-2027 in February 2018.

<sup>2</sup> The Transport Strategy for the Greater Dublin Area, 2016-2035 was prepared and published by the National Transport Authority in 2016



1.3.2 The scenarios were tested in the NTA East Regional Model (ERM) to understand the latent demand on the rail line corridors under a number of different background schemes and growth assumptions.

## 2. ASSUMPTIONS

### 2.1 Introduction

2.1.1 This chapter provides a summary of the assumptions used for the different scenarios modelled.

### 2.2 Approach

2.2.1 The preferred Bundle 6 TSS Option 2 from the DART Expansion Programme Options Assessment Study has been tested in the ERM and is the basis for this study in terms of train service specification, capacities and train service running times between stations. For information, the revised TSS for Bundle 6 TSS Option 2 is shown in Figure 1 overleaf, with the service plan shown in Appendix A.

2.2.2 It is acknowledged that TSS Option 1, from the above study, may be implemented as the preferred TSS due to the more balanced distribution of train service patterns within the city centre from each line. In any case, it is not anticipated that an alternative city centre distribution would affect the ultimate latent demand on each line which is the purpose of the modelling exercise undertaken as part of this report.

2.2.3 An ultimate demand assessment of Bundle 6 TSS Option 2 was modelled by undertaking unconstrained capacity runs on top of a variety of Do Minimum options.

2.2.4 For this study, it was agreed to use the NTA's East Regional Model (ERM) to test the multi-modal impacts of the proposed DART TSS.

### 2.3 Model Forecast Years

2.3.1 Two forecast design years have been used to assess the medium and long term demand, as follows:

- The opening year for the scheme is assumed to be 2028 – this represents the medium term demand; and
- The design year (opening year +15 years) is assumed to be 2043 which represents the long term demand.

### 2.4 Land Use Forecasts

2.4.1 The NTA have defined a 2040 National Planning Framework (NPF) planning sheet, based on 2016 Census data, regional growth projections and their knowledge of Local Authority development plans. Population, employment and education attractions are located in areas that are likely to be developed between now and 2040.

2.4.2 From that 2040 NPF planning sheet, the NTA has also produced planning sheets for both 2028 and 2043, reflecting where the growth is more likely to be located in these two years. These planning sheets were used to model the transport demand for 2028 and 2043.

2.4.3 The growth for internal goods and special zones has been derived by using a 71% increase over a 2012 base, for both 2028 and 2043. Inter-regional trips were derived from the RMSIT<sup>3</sup>.

## 2.5 Do Minimum

2.5.1 A number of Do Minimum (DM) model runs have been developed upon which the unlimited capacity DART Expansion TSS scenarios can be tested. These are categorised below, as three distinct scheme bundles, or four (DM) model runs:

- **Bundle 1** – 2028, 2043 Committed Schemes only;
- **Bundle 2** – 2028 National Development Plan (NDP) Schemes; and
- **Bundle 3** – 2043 GDA Strategy network.

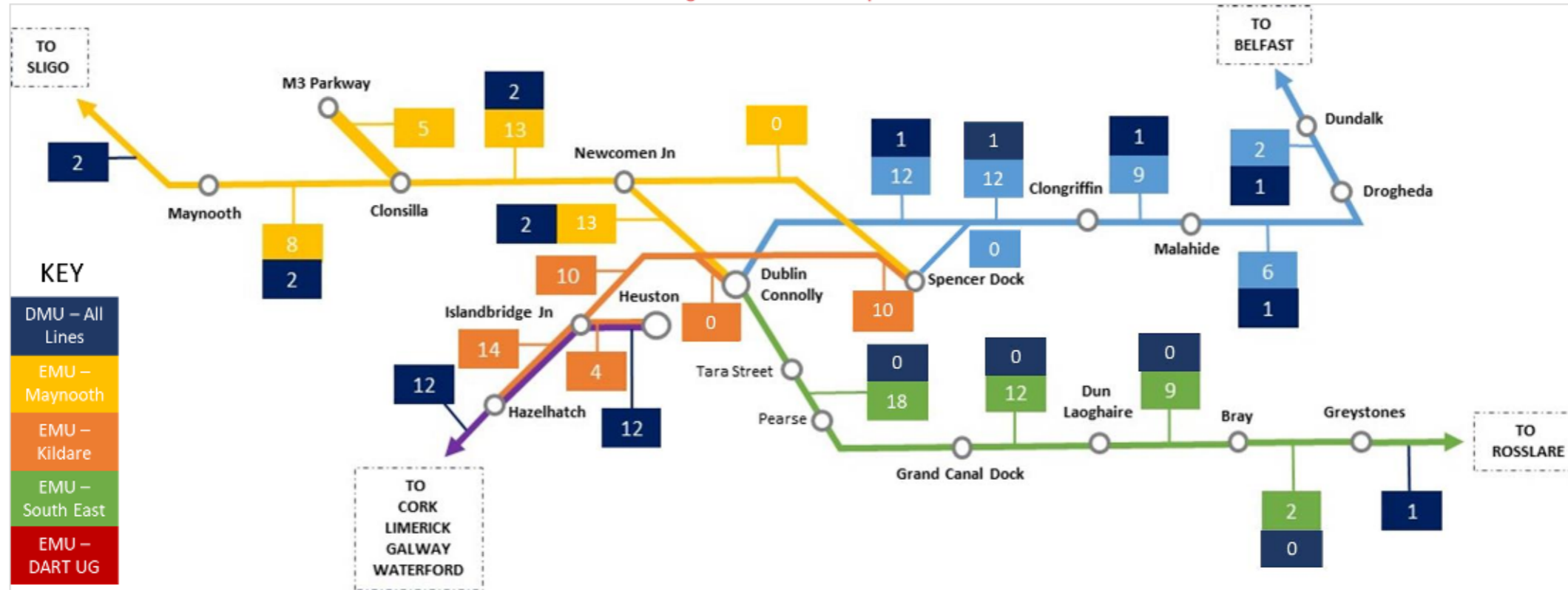
## 2.6 Do Something

2.6.1 In addition to the Do Minimum model runs, and to understand the ‘potential’ rather than the ‘realistic’ demand for travel across the DART network, the frequencies on lines were increased to a minimum of 16 trains per hour per direction (tphpd) with no capacity constraint. This enables an understanding of the possible ultimate demand for travel on the DART network in 2028 and 2043.

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<sup>3</sup> RMSIT – ‘Regional Modelling System Integration Tool’ which forms part of the NTA Regional Modelling System

Figure 1. Bundle 6 – TSS Option 2



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### 3. METHODOLOGY

#### 3.1 Introduction

3.1.1 In total, six scenarios have been tested, which are detailed in Table 1 below.

**Table 1. Scenarios Modelled**

SCENARIO	DESCRIPTION
Scenario 1	2028 Do Committed Schemes only
Scenario 2	2043 Do Committed Schemes only
Scenario 3	2028 NDP Schemes
Scenario 4	2043 Strategy Schemes
Scenario 5	2028 Unlimited Rail
Scenario 6	2043 Unlimited Rail

3.1.2 Each scenario builds off the latest available BusConnects Core Bus Corridor (CBC) model runs, which have recently been developed, with the necessary changes implemented to the rail network for each scenario (which will be discussed in detail in the following sections). The output TSS for each scenario is also provided for reference.

#### 3.2 Scenario 1 – 2028 Do Committed Schemes only

3.2.1 For the purposes of this assessment, Scenario 1, 2028 Do Committed Schemes only, is based on the existing transport network but with the addition of the proposed BusConnects network re-design routes and services.

3.2.2 The appropriate rail lines were updated to include Bundle 6 TSS Option 2 train services.

#### 3.3 Scenario 2 – 2043 Do Committed Schemes only

3.3.1 Scenario 2, 2043 Do Committed Schemes only, is the same transport network as per Scenario 1 but with a higher level of transport demand growth as derived from the NTA’s 2043 planning sheet demand. The rail network in this scenario also represents Bundle 6 TSS Option 2.

#### 3.4 Scenario 3 - 2028 NDP Schemes

3.4.1 Scenario 3, 2028 National Development Plan (NDP) Schemes, is based on the full build out of all schemes contained within the NDP. This includes for example, the full roll out of BusConnects CBCs as well as MetroLink.

3.4.2 The Rail network in this scenario represents Bundle 6 TSS Option 2 also.

### 3.5 Scenario 4 - 2043 Strategy Schemes

3.5.1 Scenario 4, 2043 Strategy Schemes, is based on the full build out of all schemes contained within the Greater Dublin Area (GDA) Strategy including LUAS line extensions to Lucan, Finglas and Bray.

3.5.2 The appropriate rail lines were updated to include Bundle 6 TSS Option 2 train services.

### 3.6 Scenarios 1-4 Train Service Specification

3.6.1 The TSS are identical for scenarios 1-4, and are shown in **Error! Reference source not found.**, and summarised below. The service plan for these scenarios can be found in Appendix A.

3.6.2 As per the approach taken as part of the original DART Expansion Option Assessment Report (from which the Bundle 6 Option 2 TSS were derived), the inter-peak period headways for DART services are assumed to be two thirds (2/3s) of the AM and PM peak headways and half the capacity provided.

### 3.7 Scenario 5 - 2028 Unlimited Rail

3.7.1 Scenario 5, 2028 Unlimited Rail, captures the potential latent demand on each line, in the context of the 2028 NDP and used the model run from Scenario 3 as its starting point.

3.7.2 The rail services were then changed to represent increased frequencies and unlimited capacities, using the assumption that there will be a minimum 16 trains per hour per direction on each

line. The 16 tphpd assumption was applied within the DART area i.e. within Drogheda on the Northern Line, inside Maynooth on the Sligo line, inside Hazelhatch on the Cork / Kildare DART Line and inside Bray on the South East Line.

### 3.8 Scenario 6 - 2043 Unlimited Rail

3.8.1 Scenario 6, 2043 Unlimited Rail, captures the potential latent demand on each line, in the context of 2043 and all other GDA Strategy schemes in place. It is based on Scenario 4 as its starting point.

3.8.2 Like scenario 5, the rail services were then changed to represent the increased frequencies and unlimited capacities, again using the assumption that on each line within the DART area there will be a minimum 16 tphpd .

### 3.9 Scenarios 5 and 6 Train Service Specification

3.9.1 The TSS for Scenarios 5 and 6 are shown below in Figure 3, with the service plan included in Appendix A.

3.9.2 In summary, the following elements are changed in Scenarios 5 and 6 (compared to Scenarios 1-4):

- Northern Line: Drogheda to Bray new service (8 tpdph);
- Northern Line Drogheda to GCD increased frequency of 8 tpdph;
- Northern Line Malahide to Bray service removed;
- Northern Line Clongriffin to Dun Laoghaire service removed;

- Maynooth & M3 Parkway Line: Maynooth to Connolly service removed;
- Maynooth & M3 Parkway Line: Maynooth to GCD service increased frequency of 8 tpdph;
- Maynooth & M3 Parkway Line: Maynooth to Bray service increased frequency of 8 tpdph; and
- Kildare Line: Hazelhatch to Docklands service increase frequency of 4 tpdph.

3.9.3 In addition to the frequency and service changes, all DART services have an unlimited seating capacity and crush capacity<sup>4</sup>.

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<sup>4</sup> Crush Capacity is the physical capacity of the service which is assumed to be 1,382 passengers for an 8-car DART configuration.

Figure 2. Scenarios 1-3 TSS

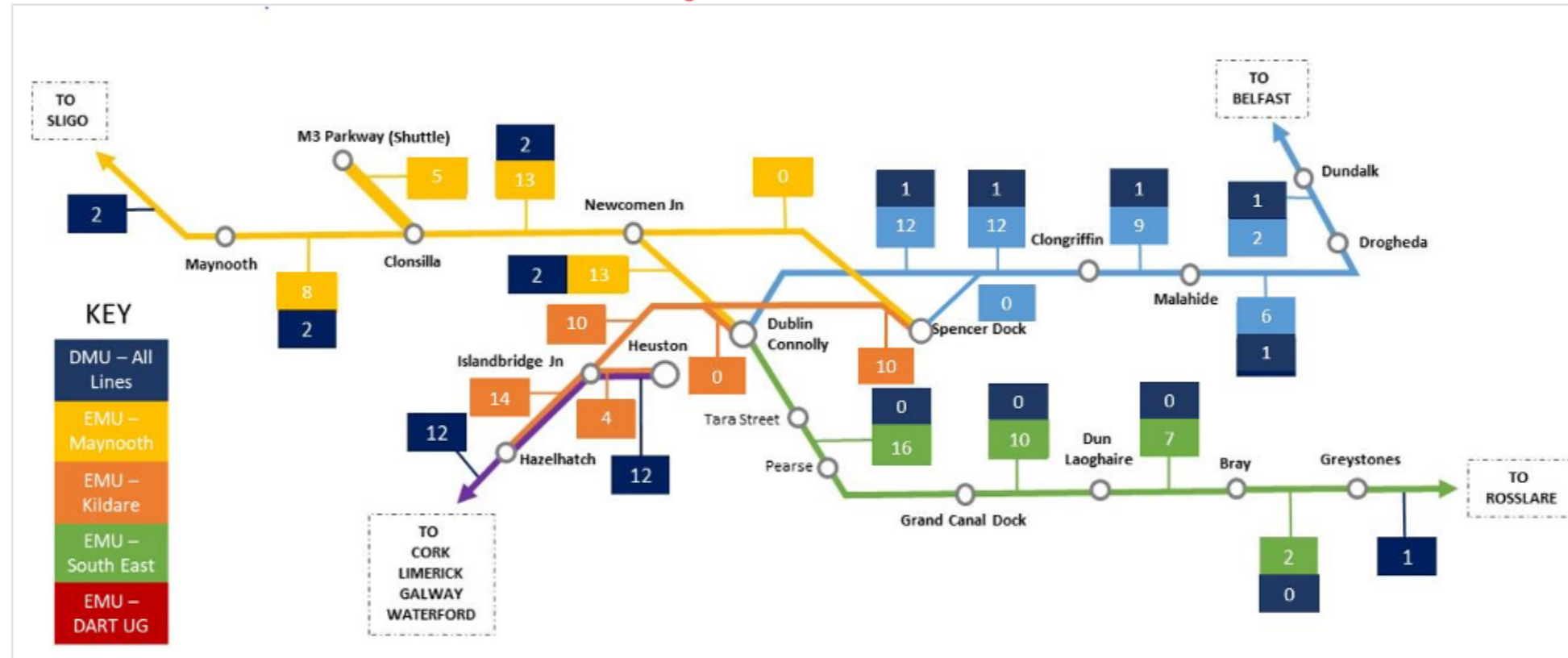
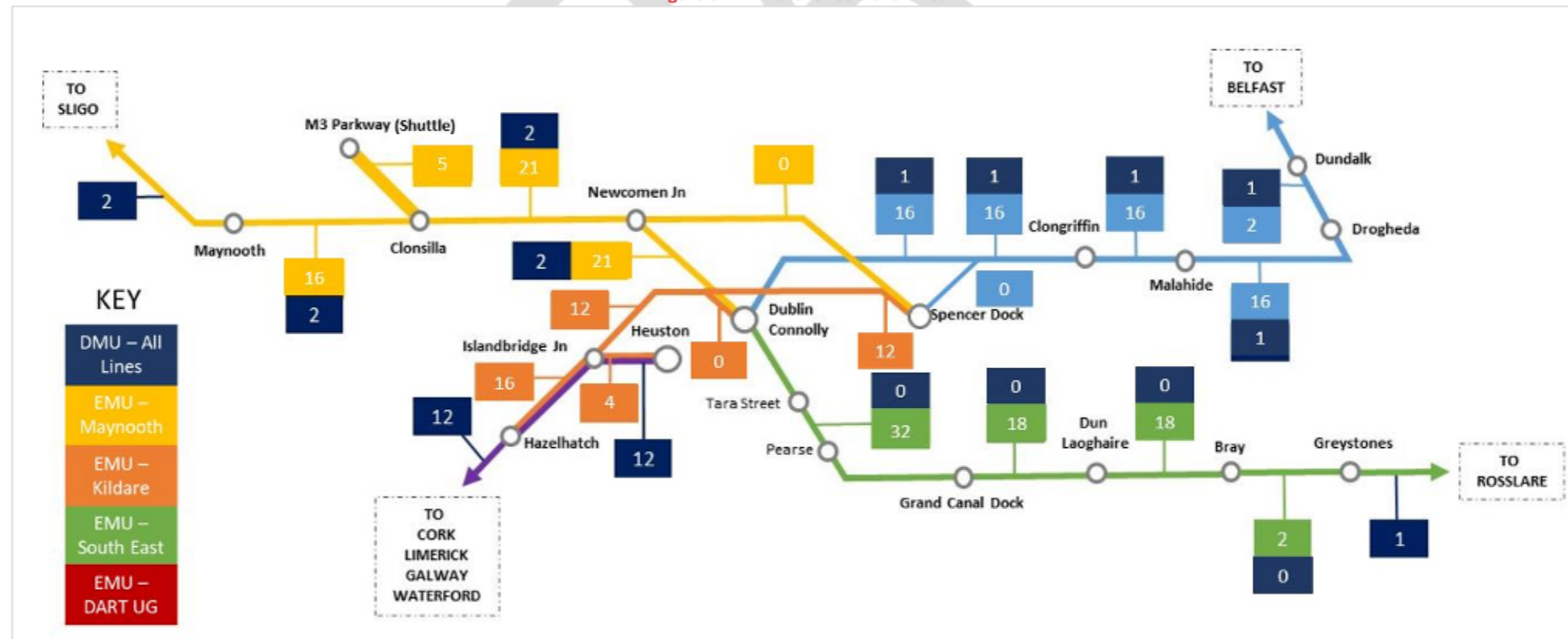


Figure 3. Scenarios 5 and 6 TSS



## 4. MODELLING SCENARIO OUTPUTS

### 4.1 Introduction

4.1.1 This chapter provides a summary of the outputs of the modelling assessment for each of the scenarios described above.

4.1.2 The following model statistics are presented and discussed in this section:

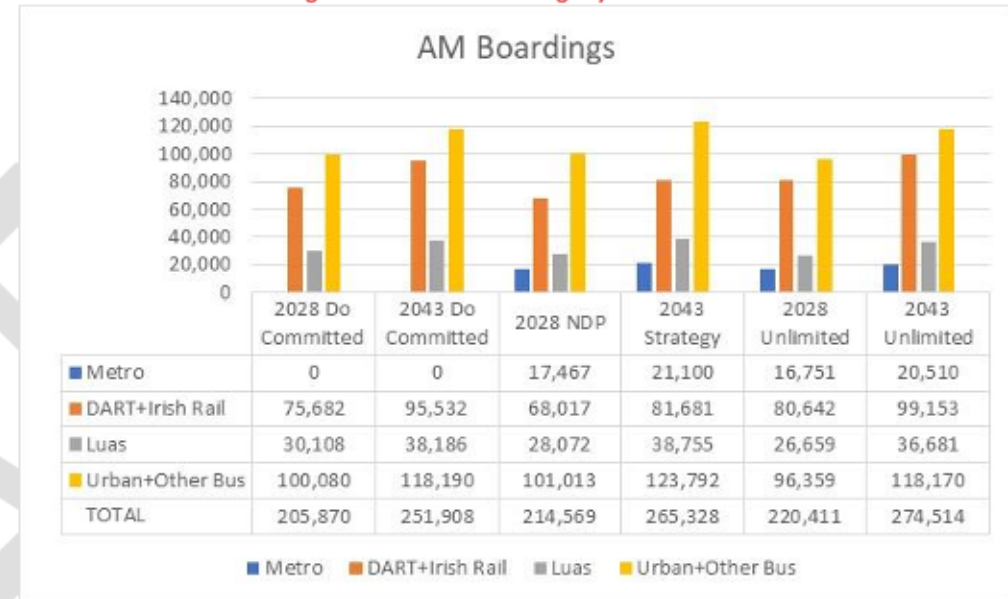
- Boardings by mode – AM peak and All Day (0700-1900); and
- Line profiles – for each line inbound for the AM peak hour.

4.1.3 The other peak hour modelled statistics are provided separately in the supporting Excel spreadsheet in Appendix B.

### 4.2 Boardings by Public Transport Mode

4.2.1 The number of people boarding for each public transport mode (Metro, DART/Irish Rail, LUAS and Urban Bus/Other Bus) are shown below for the AM peak hour and All Day in Figure 4 and Figure 5 respectively for all six scenarios.

Figure 4. AM Peak Boardings by Mode



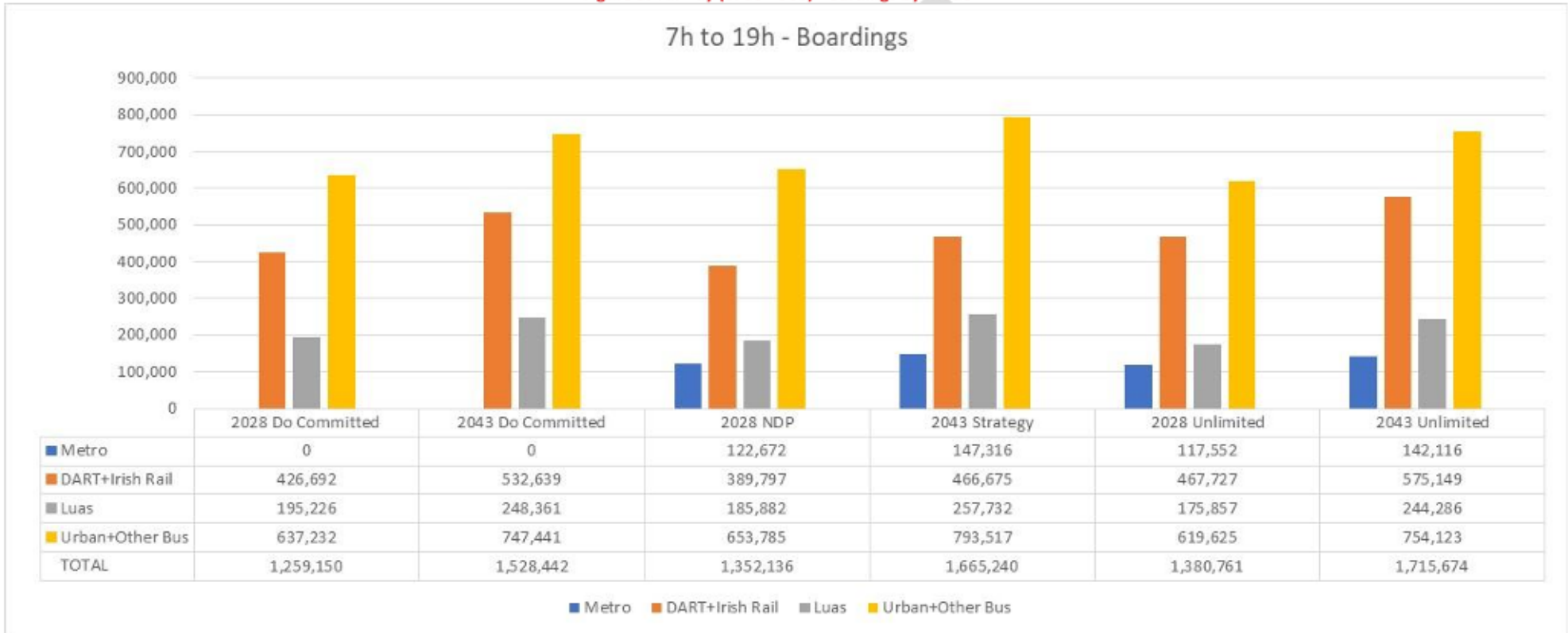
4.2.2

For the two unlimited scenarios, more boardings are forecast for the DART and Irish Rail modes when comparing this to without the unlimited frequencies and capacities. During the AM peak hour, Scenario 5 has 27% more boarders than Scenario 3 (2028) for DART only, whilst in 2043, Scenario 6 has 31% more boarders than Scenario 4.

During the All Day period (0700-1900), Scenario 5 (2028 unlimited) is forecast an additional 29% more boarders than in the 2028 NDP schemes, whilst this is an additional 33% in 2043.



Figure 5. All Day (0700-1900) Boardings by Mode



## 4.3 Passenger Loading Profiles by Rail Line

- 4.3.1 The number of passengers on each rail line are shown below in Figure 6 to Figure 9 for 2028, and Figure 10 to Figure 13 for 2043. For the four lines shown (Northern Line, Kildare Line, Maynooth Line and Southern Line), each graph shows the number of passengers on each train at each stop for all of the three scenarios modelled (taking into account boardings and alightings) alongside the crush capacity, and 85% of the crush capacity. The crush capacity is taken from the 2028 NDP schemes/2043 GDA Strategy (the capacities being the same in both cases).
- 4.3.2 All boardings and alightings for each stop, alongside full AM and PM peak hour, inbound and outbound rail line profiles are provided separately in the supporting Excel spreadsheet in Appendix C.
- 4.3.3 For the Northern, Maynooth and Southern Lines in 2028, the unlimited scenario forecasts higher passenger volumes due to the increased frequency and unlimited capacities modelled on these services.
- 4.3.4 The peak loading on the Northern line occurs at Connolly Rail, in 2028 for the unlimited scenario, with an additional 5,600 (+34%) passengers than that forecast with the NDP schemes and standard headways and capacities. In 2043, at Connolly Rail an additional 7,900 (+43%) passengers than are forecast with the GDA Strategy and the standard TSS capacities. In the unlimited scenario, the demand exceeds both the crush capacity and the 85% crush capacity for a significant part of the line (from

Balbriggan to Connolly Rail) in 2028 whilst in 2043, the demand in the unlimited scenario significantly exceeds the crush capacity for this section of the line.

- 4.3.5 On the Maynooth line, the peak loading happens at Pelletstown, where in the 2028 unlimited scenario, there is an additional 2,100 (+20%) passengers forecast over those in the NDP scenario. In 2043, there is an additional 2,700 (+21%) passengers forecast over those in the GDA Strategy. In 2028, the demand in the unlimited scenario is higher than the 85% crush capacity between Ashtown and Glasnevin, whilst in 2043 this demand is higher than the crush capacity between Navan Road Parkway and Drumcondra.
- 4.3.6 For the Southern line, this peak loading occurs at Booterstown, with an additional 1,300 (+25%) passengers forecast in the 2028 unlimited scenario over the NDP scenario. In 2043, the unlimited scenario forecasts an additional 1,600 (+29%) passengers over the GDA Strategy scenario.
- 4.3.7 The Kildare line, however, shows a different trend to the other lines, with only a slight increase in passengers compared to 2028 NDP/2043 GDA Strategy schemes, and less passengers than the Do Committed schemes scenario. The 2028 Committed schemes doesn't include for Bus Connects Core Bus Corridor measures, therefore more passengers may be using the rail services over the 2028 NDP schemes (where it is included), hence this shift away from rail in these scenarios for this line. The results indicate that the proposed TSS for the Kildare line provides sufficient capacity to service future demand requirements.

Figure 6. 2028 Northern Line – Southbound AM Peak

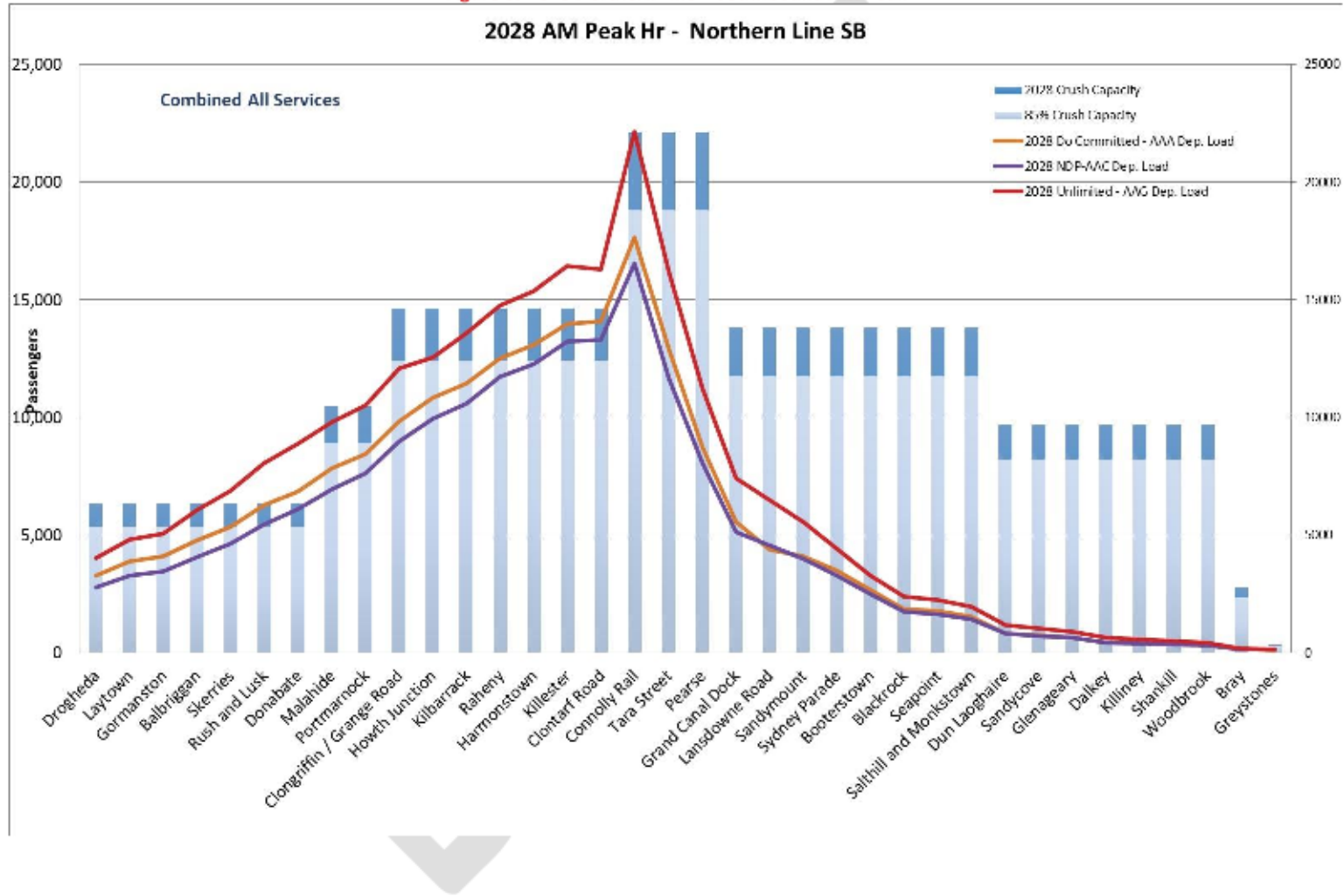


Figure 7. 2028 Kildare Line AM Peak

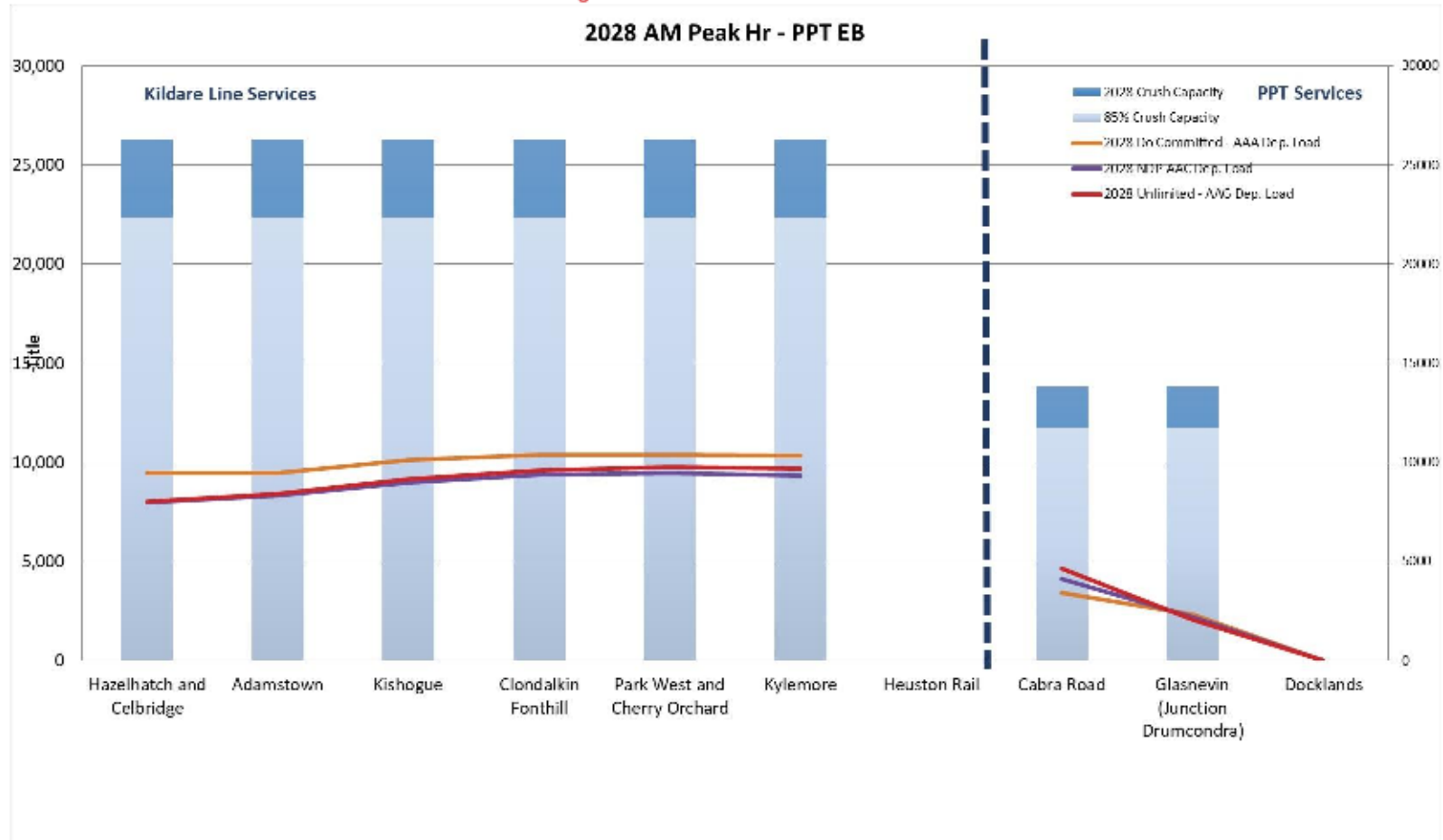


Figure 8. 2028 Maynooth Line AM Peak

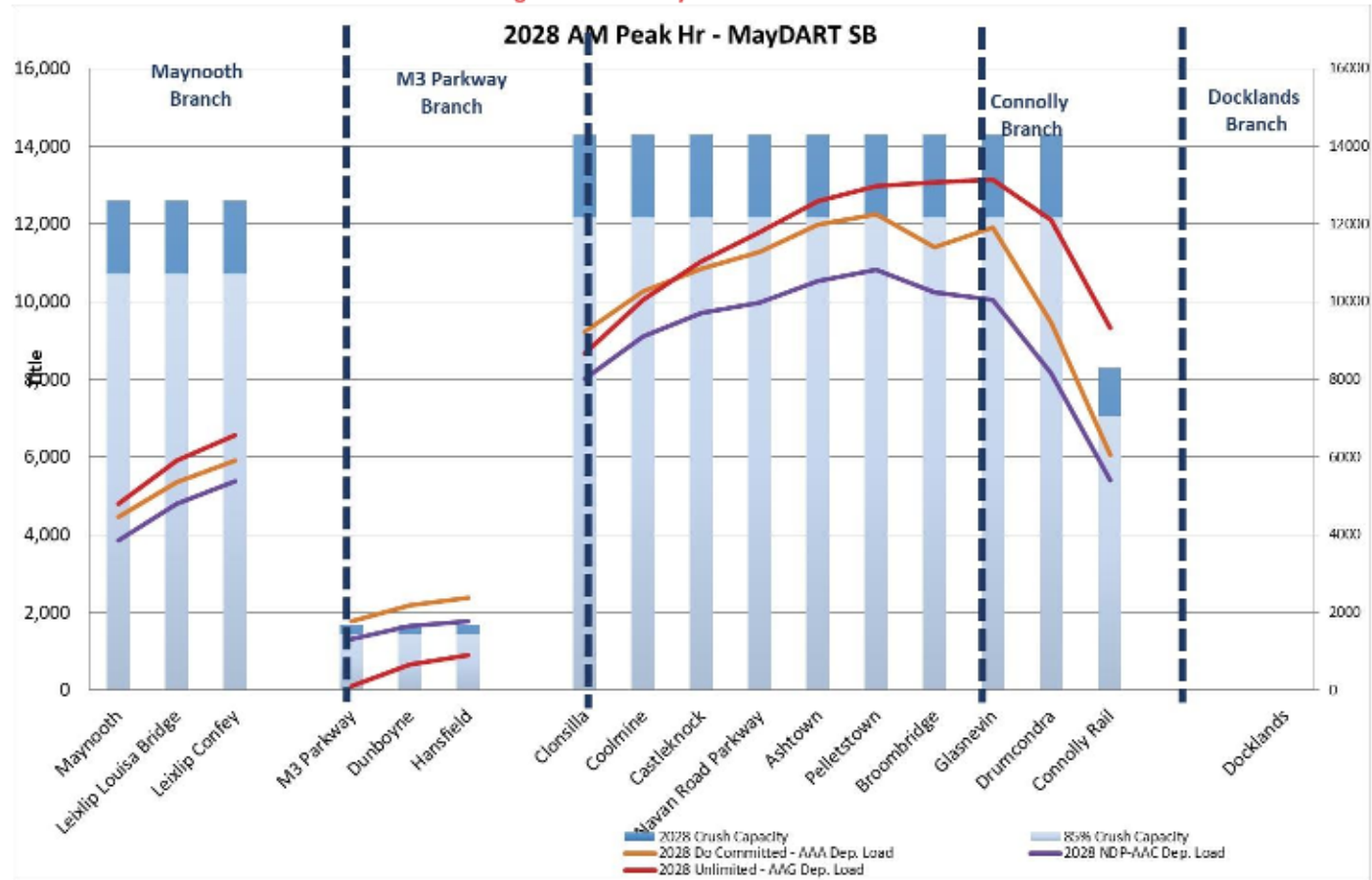


Figure 9. 2028 Southern Line Northbound AM Peak

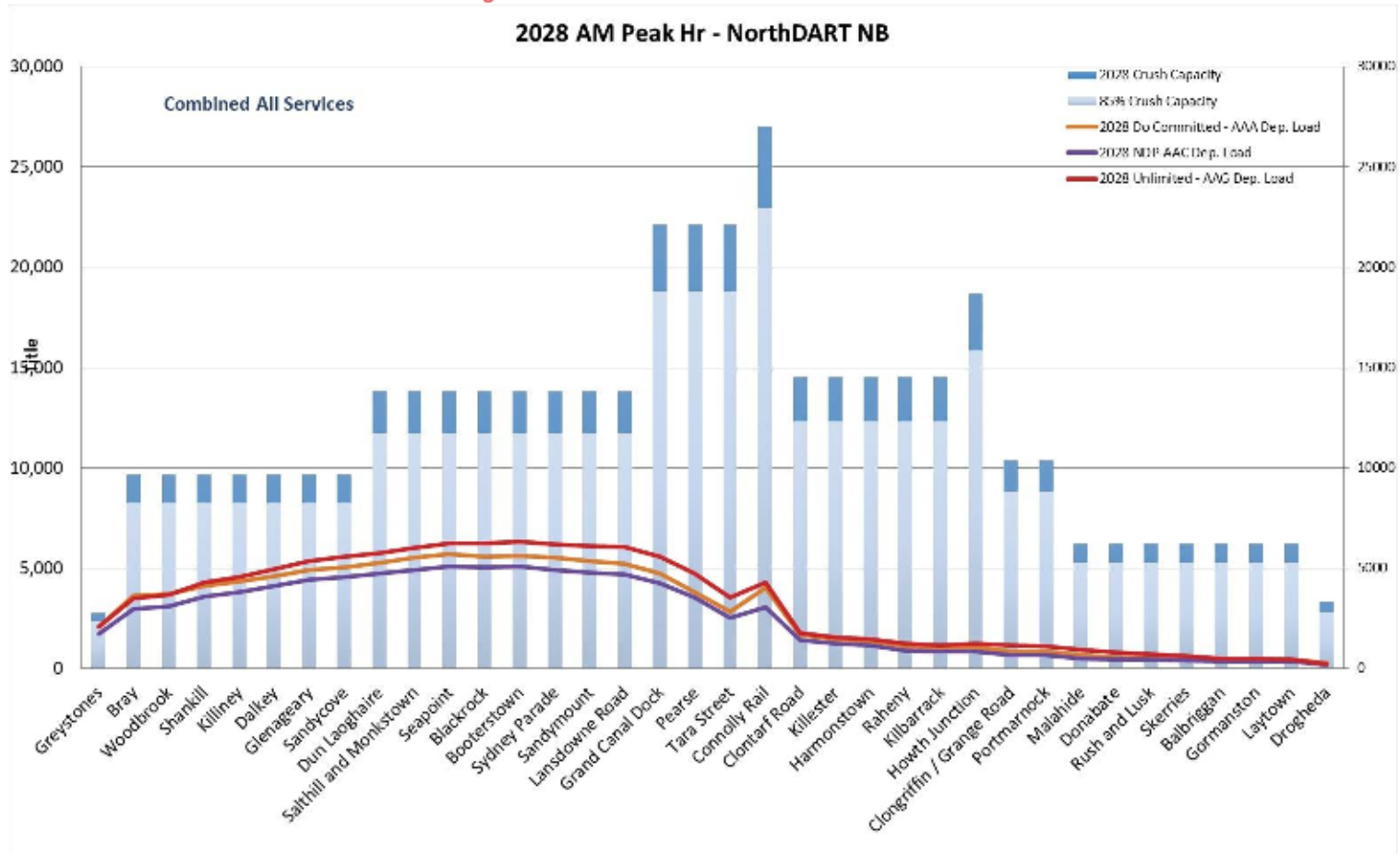


Figure 10. 2043 Northern Line – Southbound AM Peak

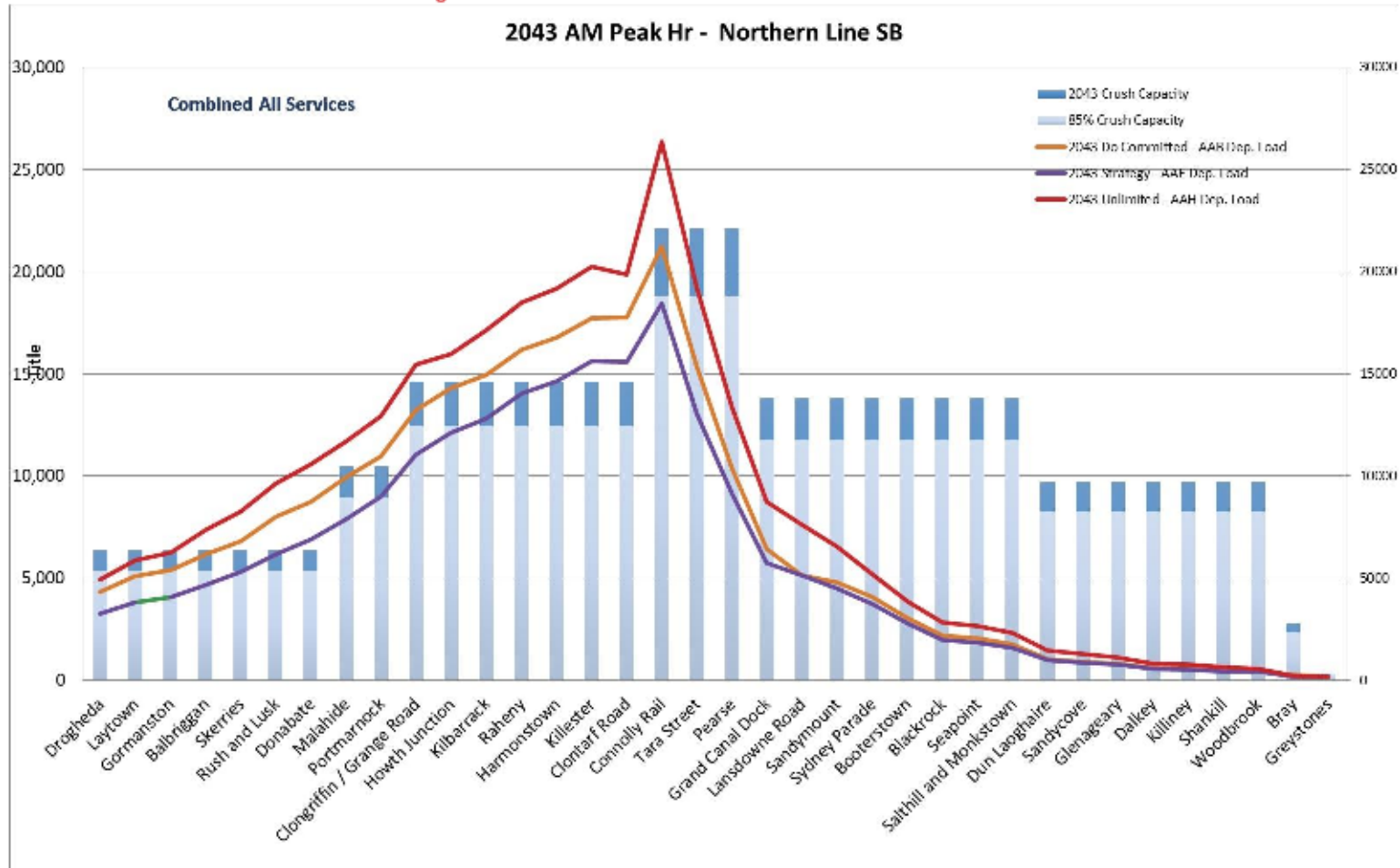


Figure 11. 2043 Kildare Line AM Peak

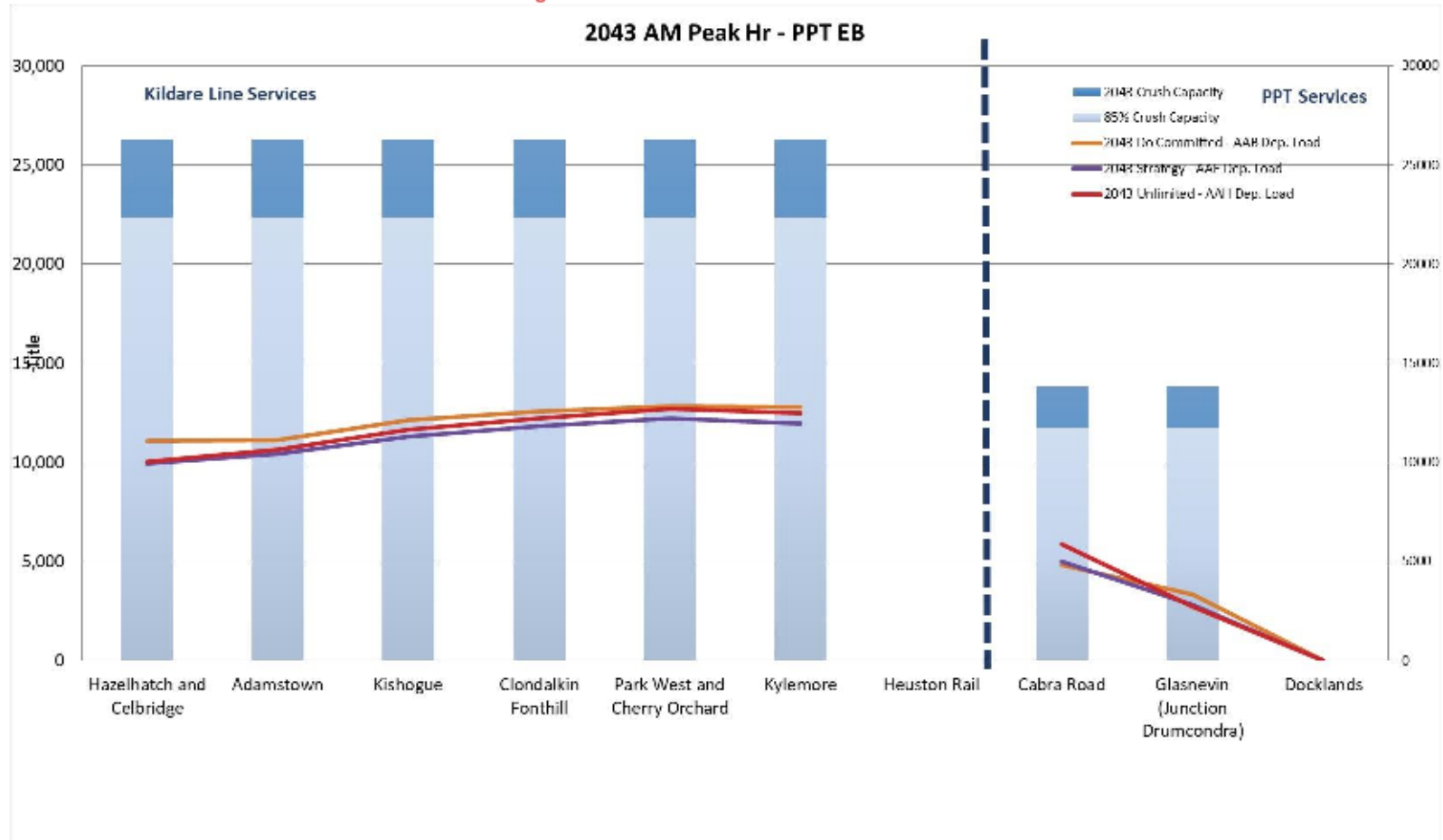
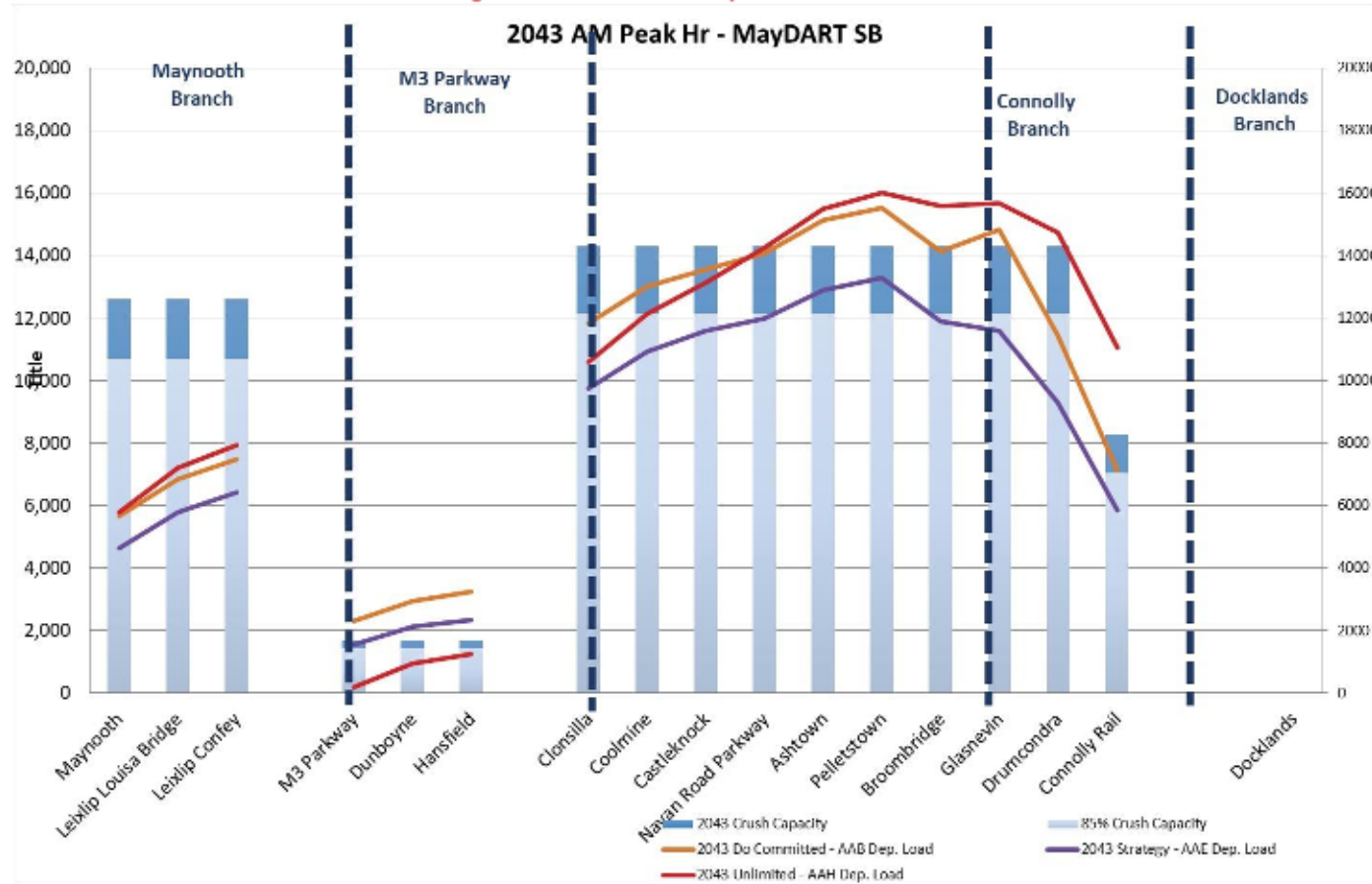
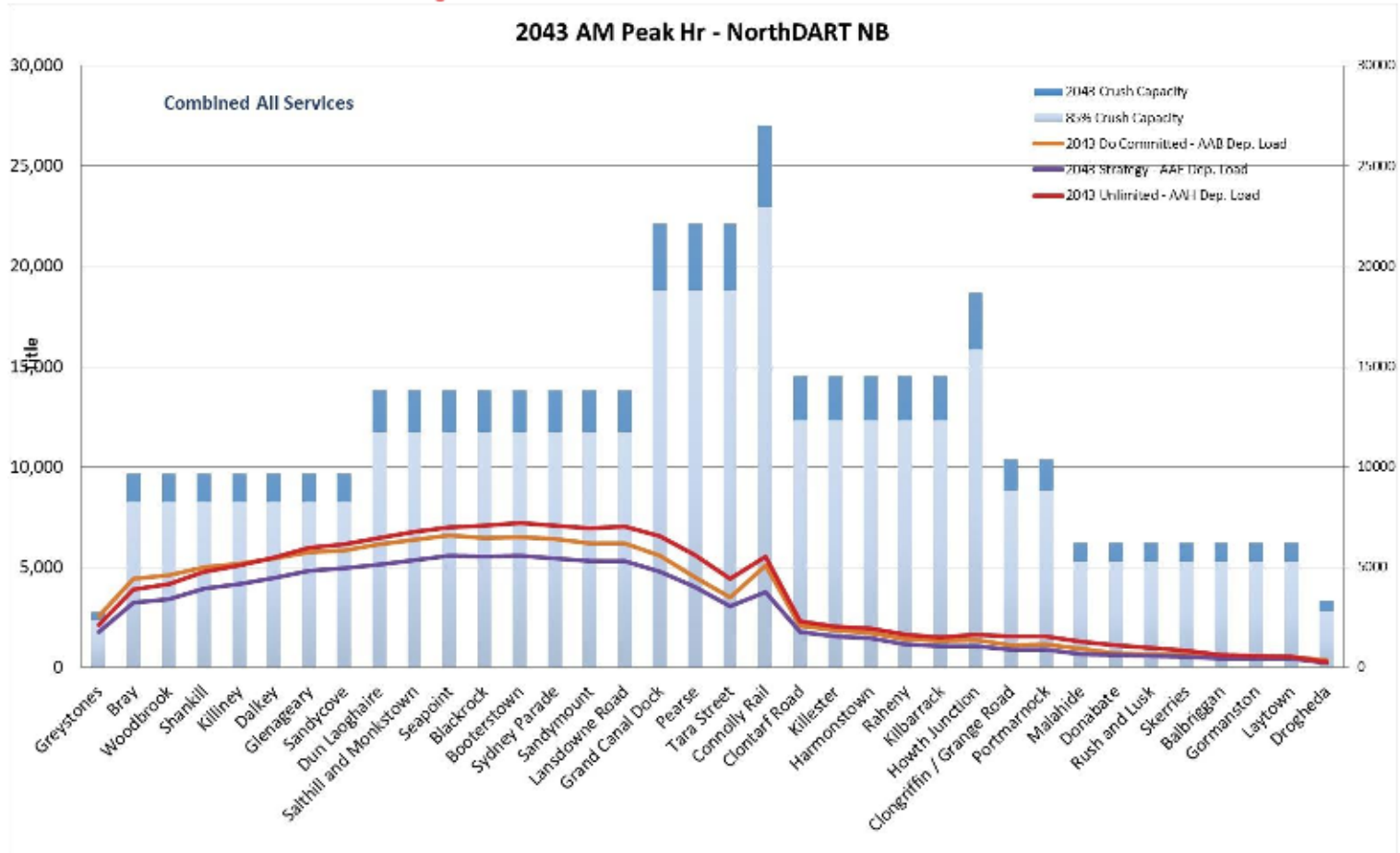




Figure 12. 2043 Maynooth Line AM Peak



**Figure 13. 2043 Southern Lines Northbound AM Peak**



## 5. CONCLUSIONS

### 5.1 Assessment Conclusions

5.1.1 This report summarises the outcomes of a strategic modelling assessment of the preferred DART Expansion scheme bundle option under a range of Do Minimum Scenarios to understand the potential and likely future demand in each scenario and the latent demand that exists on each line.

5.1.2 The scenarios were tested in the NTA ERM to understand the impacts on passenger demand levels on each line.

5.1.3 In summary, the modelling assessment has found that:

- Latent demand exists on the Maynooth, Northern and Southern lines
  - **Latent demand is the difference in the Total number of boarders between the Unlimited Scenario and the NDP Schemes and GDA Strategy scenarios for 2028 and 2043 respectively (as an example when reviewing Figure 6, this would represent the sum of the area between the purple (2028 NDP) and red line (2028 unlimited). The figures presented in this summary represent the AM peak hour.**
- For the Maynooth line, there is peak latent demand of 4,006 (34% of total NDP boarders) on the line in 2028, and peak latent demand of 5,496 (39% of total GDA Strategy boarders) in 2043

- For the Northern line, there is peak latent demand of 4,378 (25% of total NDP boarders) on the line in 2028, and peak latent demand of 6,121 (30% of total GDA Strategy boarders) in 2043
- For the Southern line, there is peak latent demand of 2,717 (27% of total NDP boarders) on the line in 2028, and peak latent demand of 3,570 (31% of total GDA Strategy boarders) in 2043
- Whilst the proposed TSS for the Kildare line provides sufficient capacity to service future demand requirements, there is still a small level of latent demand of 518 (8% of total NDP boarders) on the line in 2028, and 890 (11% of total GDA Strategy boarders) in 2043.

### 5.2 Recommendation

To accommodate the additional forecast demand from the unlimited scenarios it is recommended that additional services are provided on the Northern Line between Balbriggan and Connolly and on the Maynooth Line between Navan Road Parkway and Glasnevin.

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**Latin America:**

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**North America:**

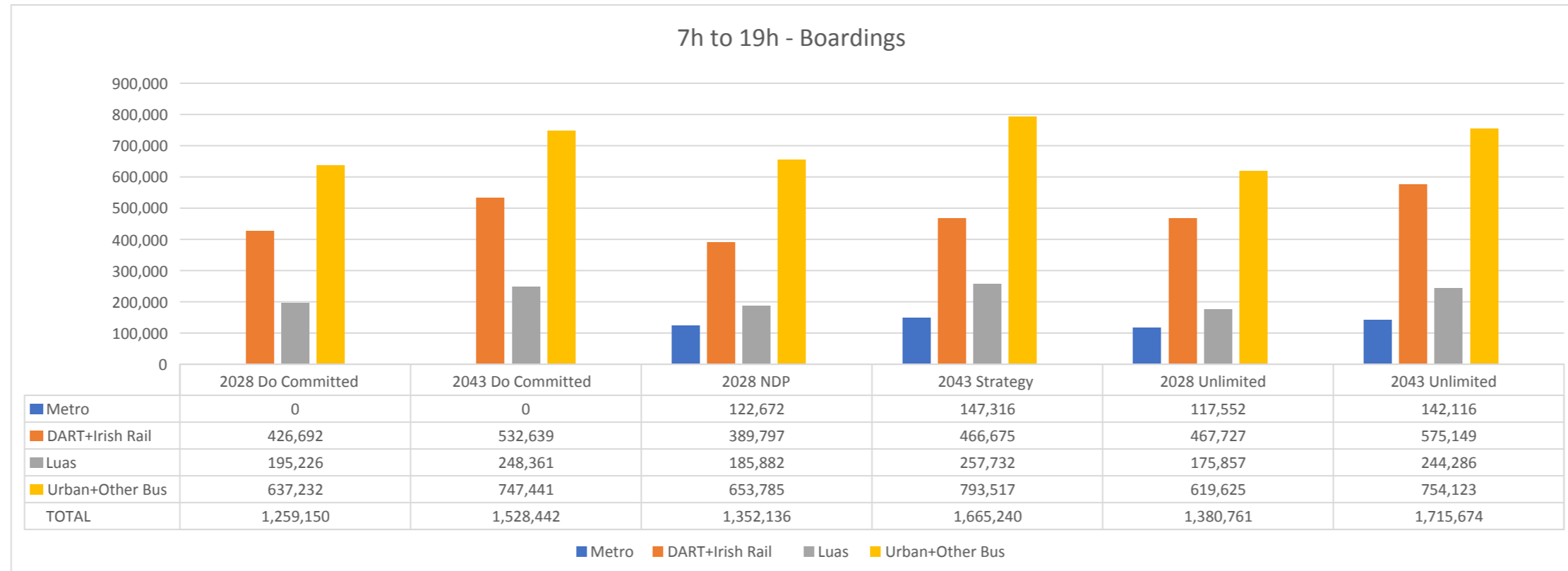
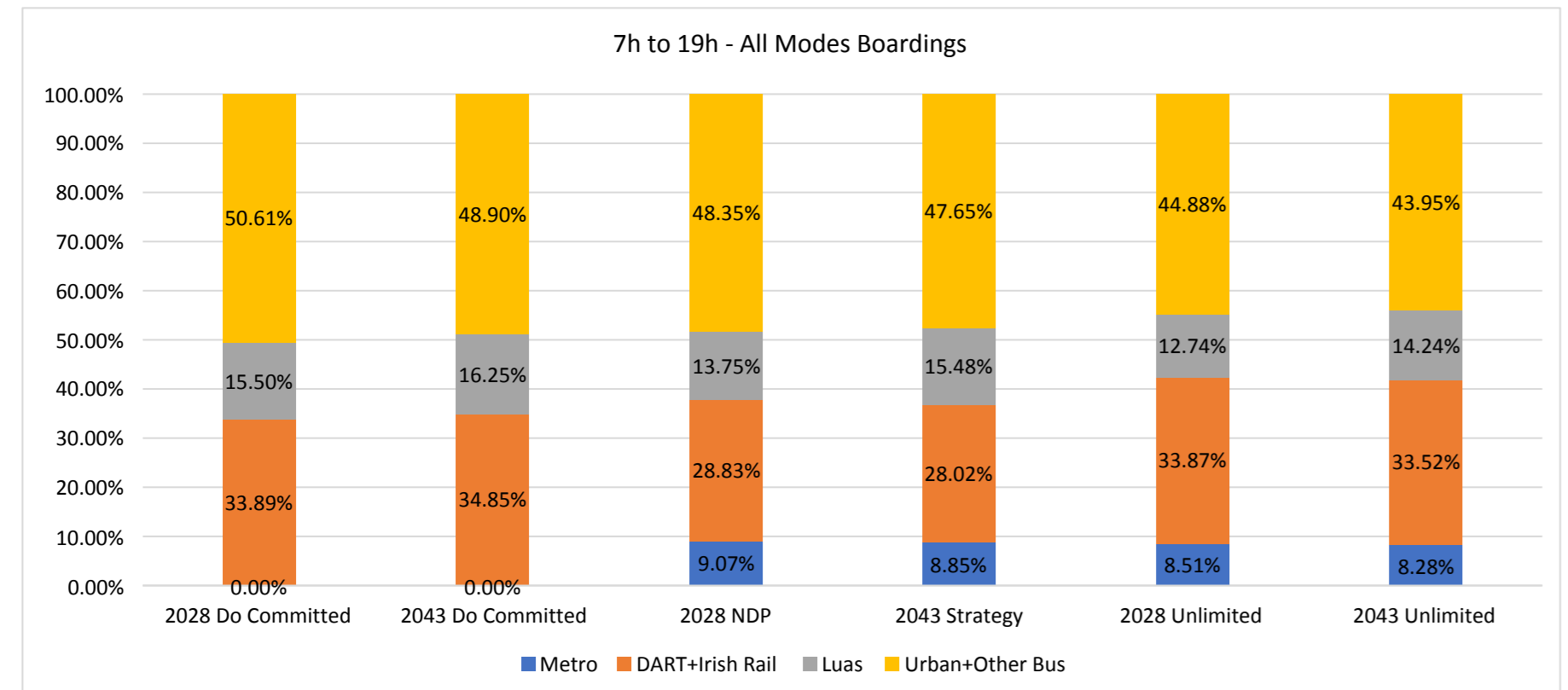
Little Falls, Los Angeles, Montreal, New-York, Philadelphia,  
Washington

The SYSTRA logo is displayed in a large, bold, red, sans-serif font. The letters are closely spaced and have a slightly irregular, hand-drawn appearance.

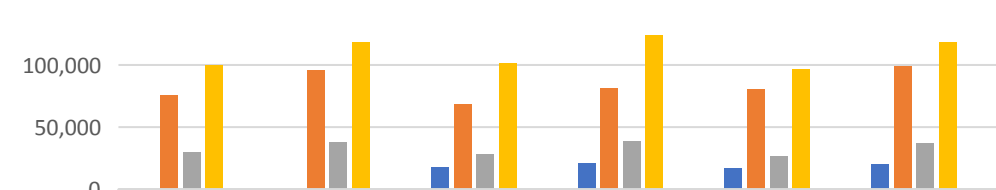
Route	Bundle 6 - Option 2	Scenarios 1-3	Scenario 5 & 6
<b>Northern Line</b>			
Belfast to Connolly (Enterprise)	1	1	1
Connolly to Rosslare Europort (Diesel)			
Greystones to Rosslare Europort (Diesel)	1	1	1
Dundalk to Drogheda [Shuttle]			
Dundalk to Connolly (Diesel)			
Dundalk to Bray	2		
Drogheda to Bray			8
Drogheda to Docklands			
Drogheda to Dundalk		2	2
Drogheda to GCD	4	4	8
Drogheda to Connolly			
Drogheda to Dún Laoghaire			
Drogheda to Bray			
Malahide to Greystones			
Malahide to Bray	3	3	
Clongriffin to Dún Laoghaire	3	3	
Howth to Howth Jn [Shuttle]	6	6	6
Connolly to Bray			
Clongriffin to Bray			
<b>Kildare / Northern Lines</b>			
Drogheda to Hazelhatch			
Dundalk to Hazelhatch			
Clongriffin to Hazelhatch			
Malahide to Hazelhatch			
<b>Maynooth &amp; M3 Parkway</b>			
Sligo to Connolly (Diesel)	2	2	2
Maynooth to Connolly	2	2	
Maynooth to Docklands			
Maynooth to GCD	2	2	6
Maynooth to Dún Laoghaire			
Maynooth to Bray	2	2	8
Maynooth to Greystones	2	2	2
M3 Parkway to Clonsilla [Shuttle]			
M3 Parkway to Connolly	5	5	5
M3 Parkway to Docklands			
M3 Parkway to GCD			
M3 Parkway to Bray			
<b>Kildare Line</b>			
Mainline to Heuston (DMU)	12	12	12
Hazelhatch to Heuston	4	4	4
Hazelhatch to Docklands	10	10	12
Hazelhatch to Connolly			
Hazelhatch to GCD			
Hazelhatch to Dún Laoghaire			
<b>Total Services</b>	<b>61</b>	<b>61</b>	<b>77</b>

7H-19H All Day Boardings	2028 Do Committed		2043 Do Committed		2028 NDP		2043 Strategy		2028 Unlimited		2043 Unlimited		2028 Unlimited vs Do Com		2028 Unlimited vs NDP		2043 Unlimited vs Do Com		2043 Unlimited vs Strategy	
	Scen 1 - AAA	%	Scen 2 - AAB	%	Scen 3 - AAC	%	Scen 4 - AAE	%	Scen 5 - AAG	%	Scen 6 - AAH	%	Difference	%Difference	Difference	%Difference	Difference	%Difference	Difference	%Difference
Metro	0	0.00%	0	0.00%	122,672	9.07%	147,316	8.85%	117,552	8.51%	142,116	8.28%	117,552	0.0%	-5,119	-4.2%	142,116	0.0%	-5,200	-3.5%
DART	288,855	22.94%	357,187	23.37%	264,188	19.54%	315,829	18.97%	340,117	24.63%	421,437	24.56%	51,262	17.7%	75,930	28.7%	64,250	18.0%	105,608	33.4%
Irish Rail	137,836	10.95%	175,452	11.48%	125,610	9.29%	150,846	9.06%	127,610	9.24%	153,712	8.96%	-10,227	-7.4%	2,000	1.6%	-21,740	-12.4%	2,865	1.9%
Luas	195,226	15.50%	248,361	16.25%	185,882	13.75%	257,732	15.48%	175,857	12.74%	244,286	14.24%	-19,369	-9.9%	-10,025	-5.4%	-4,075	-1.6%	-13,445	-5.2%
Urban Bus	451,895	35.89%	528,332	34.57%	465,396	34.42%	555,548	33.36%	437,854	31.71%	525,342	30.62%	-14,041	-3.1%	-27,542	-5.9%	-2,991	-0.6%	-30,206	-5.4%
Other Bus	185,337	14.72%	219,109	14.34%	188,389	13.93%	237,969	14.29%	181,771	13.16%	228,781	13.33%	-3,566	-1.9%	-6,618	-3.5%	9,673	4.4%	-9,188	-3.9%
<b>TOTAL</b>	<b>1,259,150</b>	<b>100.00%</b>	<b>1,528,442</b>	<b>100.00%</b>	<b>1,352,136</b>	<b>100.00%</b>	<b>1,665,240</b>	<b>100.00%</b>	<b>1,380,761</b>	<b>100.00%</b>	<b>1,715,674</b>	<b>100.00%</b>	<b>121,611</b>	<b>9.7%</b>	<b>28,625</b>	<b>2.1%</b>	<b>187,232</b>	<b>12.2%</b>	<b>50,434</b>	<b>3.0%</b>

7H-19H All Day Boardings	2028 Do Committed		2043 Do Committed		2028 NDP		2043 Strategy		2028 Unlimited		2043 Unlimited		2028 Unlimited vs Do Com		2028 Unlimited vs NDP		2043 Unlimited vs Do Com		2043 Unlimited vs Strategy	
	Scen 1 - AAA	%	Scen 2 - AAB	%	Scen 3 - AAC	%	Scen 4 - AAE	%	Scen 5 - AAG	%	Scen 6 - AAH	%	Difference	%Difference	Difference	%Difference	Difference	%Difference	Difference	%Difference
Metro	0	0.00%	0	0.00%	122,672	9.07%	147,316	8.85%	117,552	8.51%	142,116	8.28%	117,552	0.0%	-5,119	-4.2%	142,116	0.0%	-5,200	-3.5%
DART+Irish Rail	426,692	33.89%	532,639	34.85%	389,797	28.83%	466,675	28.02%	467,727	33.87%	575,149	33.52%	41,035	9.6%	77,930	20.0%	42,510	8.0%	108,474	23.2%
Luas	195,226	15.50%	248,361	16.25%	185,882	13.75%	257,732	15.48%	175,857	12.74%	244,286	14.24%	-19,369	-9.9%	-10,025	-5.4%	-4,075	-1.6%	-13,445	-5.2%
Urban+Other Bus	637,232	50.61%	747,441	48.90%	653,785	48.35%	793,517	47.65%	619,625	44.88%	754,123	43.95%	-17,607	-2.8%	-34,160	-5.2%	6,682	0.9%	-39,394	-5.0%
<b>TOTAL</b>	<b>1,259,150</b>	<b>100.00%</b>	<b>1,528,442</b>	<b>100.00%</b>	<b>1,352,136</b>	<b>100.00%</b>	<b>1,665,240</b>	<b>100.00%</b>	<b>1,380,761</b>	<b>100.00%</b>	<b>1,715,674</b>	<b>100.00%</b>	<b>121,611</b>	<b>9.7%</b>	<b>28,625</b>	<b>2.1%</b>	<b>187,232</b>	<b>12.2%</b>	<b>50,434</b>	<b>3.0%</b>



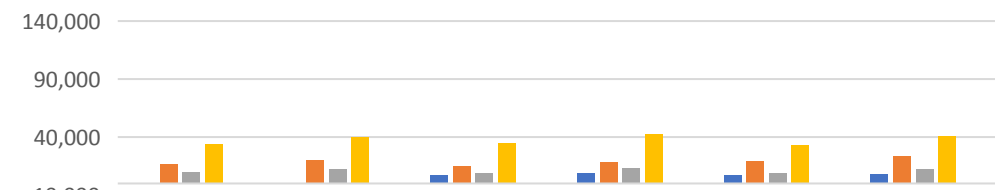
### AM Boardings



	2028 Do Committed	2043 Do Committed	2028 NDP	2043 Strategy	2028 Unlimited	2043 Unlimited
Metro	0	0	17,467	21,100	16,751	20,510
DART+Irish Rail	75,682	95,532	68,017	81,681	80,642	99,153
Luas	30,108	38,186	28,072	38,755	26,659	36,681
Urban+Other Bus	100,080	118,190	101,013	123,792	96,359	118,170
TOTAL	205,870	251,908	214,569	265,328	220,411	274,514

■ Metro ■ DART+Irish Rail ■ Luas ■ Urban+Other Bus

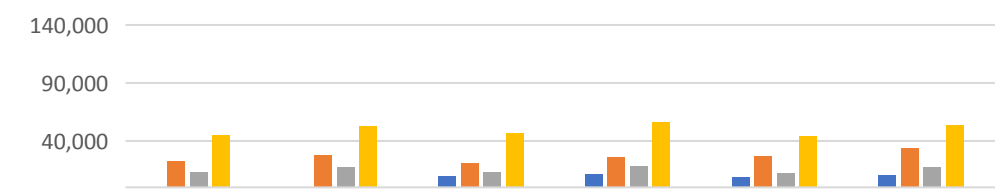
### LT Boardings



	2028 Do Committed	2043 Do Committed	2028 NDP	2043 Strategy	2028 Unlimited	2043 Unlimited
Metro	0	0	7,434	8,787	7,225	8,523
DART+Irish Rail	16,412	20,308	15,126	18,557	19,007	23,926
Luas	9,458	12,315	9,302	13,303	8,832	12,679
Urban+Other Bus	34,051	40,153	35,245	42,893	33,151	40,511
TOTAL	59,921	72,776	67,107	83,540	68,215	85,639

■ Metro ■ DART+Irish Rail ■ Luas ■ Urban+Other Bus

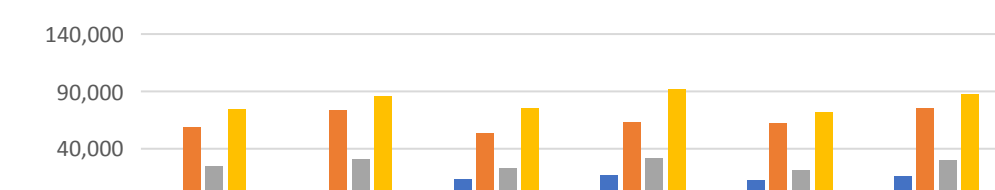
### SR Boardings



	2028 Do Committed	2043 Do Committed	2028 NDP	2043 Strategy	2028 Unlimited	2043 Unlimited
Metro	0	0	9,439	11,263	9,038	10,749
DART+Irish Rail	22,379	27,564	21,151	25,737	27,228	34,090
Luas	13,358	17,059	13,283	18,380	12,544	17,453
Urban+Other Bus	44,797	52,522	47,097	56,470	44,358	53,398
TOTAL	80,534	97,145	90,970	111,850	93,168	115,690

■ Metro ■ DART+Irish Rail ■ Luas ■ Urban+Other Bus

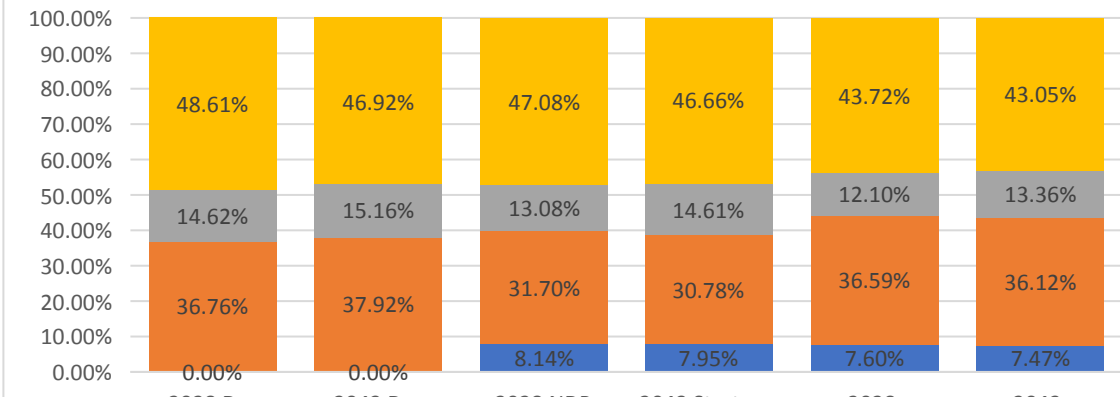
### PM Boardings



	2028 Do Committed	2043 Do Committed	2028 NDP	2043 Strategy	2028 Unlimited	2043 Unlimited
Metro	0	0	13,751	16,666	13,052	16,031
DART+Irish Rail	59,246	73,724	54,061	63,464	62,417	75,352
Luas	24,811	31,241	23,086	31,706	21,744	29,973
Urban+Other Bus	74,145	86,056	75,737	91,612	71,892	87,250
TOTAL	158,202	191,021	166,635	203,448	169,105	208,606

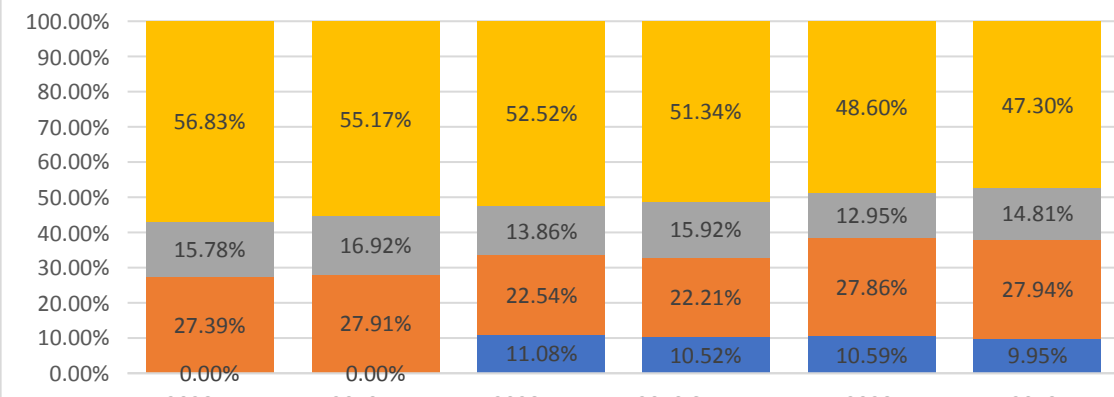
■ Metro ■ DART+Irish Rail ■ Luas ■ Urban+Other Bus

### AM - All modes boardings



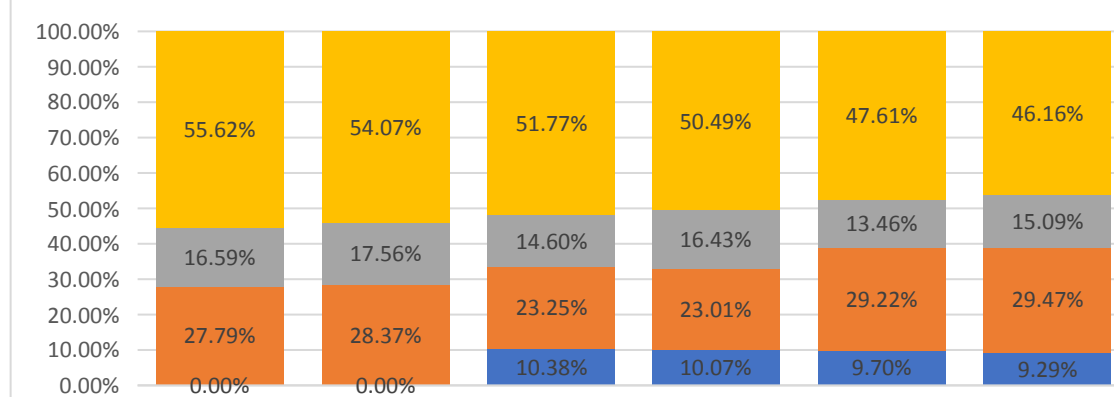
■ Metro ■ DART+Irish Rail ■ Luas ■ Urban+Other Bus

### LT - All modes boardings



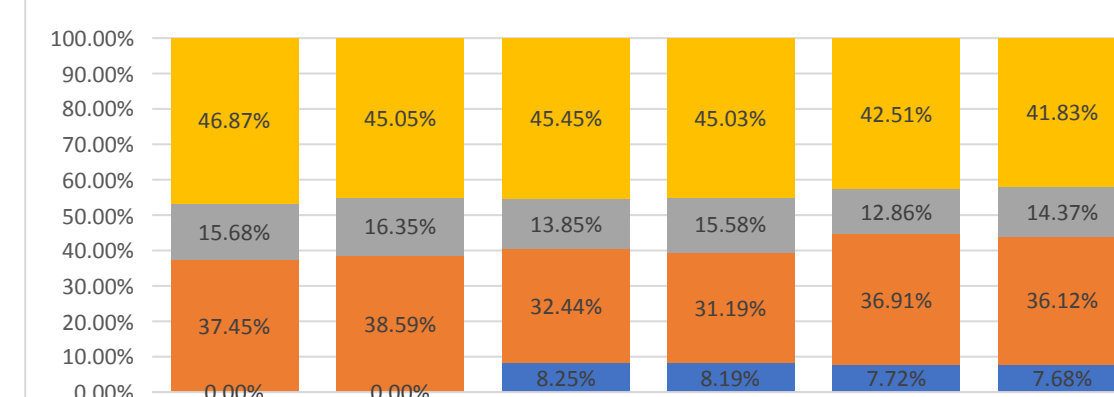
■ Metro ■ DART+Irish Rail ■ Luas ■ Urban+Other Bus

### SR - All modes boardings



■ Metro ■ DART+Irish Rail ■ Luas ■ Urban+Other Bus

### PM - All modes boardings



■ Metro ■ DART+Irish Rail ■ Luas ■ Urban+Other Bus

AM	2028 Do Committed		2043 Do Committed		2028 NDP		2043 Strategy		2028 Unlimited		2043 Unlimited		2028 Unlimited vs Do Com		2028 Unlimited vs NDP		2043 Unlimited vs Do Com		2043 Unlimited vs Strategy	
	Sc 1 - AAA		Sc 2 - AAB		Sc 3 - AAC		Sc 4 - AAE		Sc 5 - AAG		Sc 6 - AAH		Difference	%Difference	Difference	%Difference	Difference	%Difference	Difference	%Difference
Metro	0	0.00%	0	0.00%	17,467	8.14%	21,100	7.95%	16,751	7.60%	20,510	7.47%	16,751	0.0%	-716	-4.1%	20,510	0.0%	-590	-2.8%
DART	51,781	25.15%	64,892	25.76%	47,042	21.92%	56,181	21.17%	59,512	27.00%	73,587	26.81%	7,731	14.9%	12,470	26.5%	8,696	13.4%	17,406	31.0%
Irish Rail	23,901	11.61%	30,640	12.16%	20,974	9.78%	25,500	9.61%	21,129	9.59%	25,565	9.31%	-2,772	-11.6%	155	0.7%	-5,075	-16.6%	66	0.3%
Luas	30,108	14.62%	38,186	15.16%	28,072	13.08%	38,755	14.61%	26,659	12.10%	36,681	13.36%	-3,449	-11.5%	-1,413	-5.0%	-1,505	-3.9%	-2,074	-5.4%
Urban Bus	74,343	36.11%	87,361	34.68%	72,370	33.73%	86,746	32.69%	68,665	31.15%	82,636	30.10%	-5,678	-7.6%	-3,705	-5.1%	-4,725	-5.4%	-4,110	-4.7%
Other Bus	25,737	12.50%	30,829	12.24%	28,643	13.35%	37,046	13.96%	27,694	12.56%	35,534	12.94%	1,957	7.6%	-949	-3.3%	4,705	15.3%	-1,512	-4.1%
<b>TOTAL</b>	<b>205,870</b>	<b>100.00%</b>	<b>251,908</b>	<b>100.00%</b>	<b>214,569</b>	<b>100.00%</b>	<b>265,328</b>	<b>100.00%</b>	<b>220,411</b>	<b>100.00%</b>	<b>274,514</b>	<b>100.00%</b>	<b>14,540</b>	<b>7.1%</b>	<b>5,842</b>	<b>2.7%</b>	<b>22,606</b>	<b>9.0%</b>	<b>9,186</b>	<b>3.5%</b>

LT	2028 Do Committed		2043 Do Committed		2028 NDP		2043 Strategy		2028 Unlimited		2043 Unlimited		2028 Unlimited vs Do Com		2028 Unlimited vs NDP		2043 Unlimited vs Do Com		2043 Unlimited vs Strategy	
	Sc 1 - AAA		Sc 2 - AAB		Sc 3 - AAC		Sc 4 - AAE		Sc 5 - AAG		Sc 6 - AAH		Difference	%Difference	Difference	%Difference	Difference	%Difference	Difference	%Difference
Metro	0	0.00%	0	0.00%	7,434	11.08%	8,787	10.52%	7,225	10.59%	8,523	9.95%	7,225	0.0%	-209	-2.8%	8,523	0.0%	-264	-3.0%
DART	10,509	17.54%	12,842	17.65%	9,661	14.40%	11,820	14.15%	13,428	19.68%	16,986	19.83%	2,919	27.8%	3,767	39.0%	4,144	32.3%	5,167	43.7%
Irish Rail	5,903	9.85%	7,466	10.26%	5,465	8.14%	6,738	8.07%	5,579	8.18%	6,940	8.10%	-324	-5.5%	115	2.1%	-526	-7.0%	202	3.0%
Luas	9,458	15.78%	12,315	16.92%	9,302	13.86%	13,303	15.92%	8,832	12.95%	12,679	14.81%	-626	-6.6%	-470	-5.1%	364	3.0%	-624	-4.7%
Urban Bus	22,220	37.08%	26,334	36.18%	23,826	35.50%	28,863	34.55%	22,184	32.52%	26,977	31.50%	-36	-0.2%	-1,642	-6.9%	643	2.4%	-1,886	-6.5%
Other Bus	11,831	19.74%	13,819	18.99%	11,419	17.02%	14,030	16.79%	10,967	16.08%	13,534	15.80%	-864	-7.3%	-452	-4.0%	-285	-2.1%	-496	-3.5%
<b>TOTAL</b>	<b>59,921</b>	<b>100.00%</b>	<b>72,776</b>	<b>100.00%</b>	<b>67,107</b>	<b>100.00%</b>	<b>83,540</b>	<b>100.00%</b>	<b>68,215</b>	<b>100.00%</b>	<b>85,639</b>	<b>100.00%</b>	<b>8,294</b>	<b>13.8%</b>	<b>1,109</b>	<b>1.7%</b>	<b>12,863</b>	<b>17.7%</b>	<b>2,099</b>	<b>2.5%</b>

SR	2028 Do Committed		2043 Do Committed		2028 NDP		2043 Strategy		2028 Unlimited		2043 Unlimited		2028 Unlimited vs Do Com		2028 Unlimited vs NDP		2043 Unlimited vs Do Com		2043 Unlimited vs Strategy	
	Sc 1 - AAA		Sc 2 - AAB		Sc 3 - AAC		Sc 4 - AAE		Sc 5 - AAG		Sc 6 - AAH		Difference	%Difference	Difference	%Difference	Difference	%Difference	Difference	%Difference
Metro	0	0.00%	0	0.00%	9,439	10.38%	11,263	10.07%	9,038	9.70%	10,749	9.29%	9,038	0.0%	-401	-4.2%	10,749	0.0%	-514	-4.6%
DART	15,134	18.79%	18,609	19.16%	14,254	15.67%	17,414	15.57%	20,187	21.67%	25,559	22.09%	5,053	33.4%	5,933	41.6%	6,950	37.3%	8,144	46.8%
Irish Rail	7,245	9.00%	8,955	9.22%	6,897	7.58%	8,323	7.44%	7,041	7.56%	8,531	7.37%	-204	-2.8%	144	2.1%	-424	-4.7%	209	2.5%
Luas	13,358	16.59%	17,059	17.56%	13,283	14.60%	18,380	16.43%	12,544	13.46%	17,453	15.09%	-814	-6.1%	-739	-5.6%	394	2.3%	-927	-5.0%
Urban Bus	30,746	38.18%	36,301	37.37%	33,541	36.87%	39,969	35.73%	31,253	33.54%	37,506	32.42%	507	1.6%	-2,288	-6.8%	1,205	3.3%	-2,463	-6.2%
Other Bus	14,051	17.45%	16,221	16.70%	13,556	14.90%	16,501	14.75%	13,105	14.07%	15,892	13.74%	-946	-6.7%	-451	-3.3%	-329	-2.0%	-609	-3.7%
<b>TOTAL</b>	<b>80,534</b>	<b>100.00%</b>	<b>97,145</b>	<b>100.00%</b>	<b>90,970</b>	<b>100.00%</b>	<b>111,850</b>	<b>100.00%</b>	<b>93,168</b>	<b>100.00%</b>	<b>115,690</b>	<b>100.00%</b>	<b>12,634</b>	<b>15.7%</b>	<b>2,199</b>	<b>2.4%</b>	<b>18,544</b>	<b>19.1%</b>	<b>3,840</b>	<b>3.4%</b>

PM	2028 Do Committed		2043 Do Committed		2028 NDP		2043 Strategy		2028 Unlimited		2043 Unlimited		2028 Unlimited vs Do Com		2028 Unlimited vs NDP		2043 Unlimited vs Do Com		2043 Unlimited vs Strategy	
	Sc 1 - AAA		Sc 2 - AAB		Sc 3 - AAC		Sc 4 - AAE		Sc 5 - AAG		Sc 6 - AAH		Difference	%Difference	Difference	%Difference	Difference	%Difference	Difference	%Difference
Metro	0	0.00%	0	0.00%	13,751	8.25%	16,666	8.19%	13,052	7.72%	16,031	7.68%	13,052	0.0%	-699	-5.1%	16,031	0.0%	-635	-3.8%
DART	40,390	25.53%	49,525	25.93%	36,651	22.00%	43,082	21.18%	44,653	26.41%	54,378	26.07%	4,262	10.6%	8,001	21.8%	4,852	9.8%	11,295	26.2%
Irish Rail	18,856	11.92%	24,199	12.67%	17,410	10.45%	20,382	10.02%	17,764	10.50%	20,974	10.05%	-1,092	-5.8%	354	2.0%	-3,225	-13.3%	592	2.9%
Luas	24,811	15.68%	31,241	16.35%	23,086	13.85%	31,706	15.58%	21,744	12.86%	29,973	14.37%	-3,067	-12.4%	-1,342	-5.8%	-1,268	-4.1%	-1,733	-5.5%
Urban Bus	53,286	33.68%	61,062	31.97%	55,031	33.02%	64,960	31.93%	51,931	30.71%	61,647	29.55%	-1,355	-2.5%	-3,100	-5.6%	585	1.0%	-3,313	-5.1%
Other Bus	20,859	13.19%	24,994	13.08%	20,706	12.43%	26,652	13.10%	19,961	11.80%	25,603	12.27%	-898	-4.3%	-745	-3.6%	609	2.4%	-1,049	-3.9%
<b>TOTAL</b>	<b>158,202</b>	<b>100.00%</b>	<b>191,021</b>	<b>100.00%</b>	<b>166,635</b>	<b>100.00%</b>	<b>203,448</b>	<b>100.00%</b>	<b>169,105</b>	<b>100.00%</b>	<b>208,606</b>	<b>100.00%</b>	<b>10,902</b>	<b>6.9%</b>	<b>2,470</b>	<b>1.5%</b>	<b>17,584</b>	<b>9.2%</b>	<b>5,158</b>	<b>2.5%</b>

AM	2028 Do Committed		2043 Do Committed		2028 NDP		2043 Strategy		2028 Unlimited		2043 Unlimited		2028 Unlimited vs Do		2028 Unlimited vs NDP		2043 Unlimited vs Do		2043 Unlimited vs Stra	
	Sc 1 - AAA		Sc 2 - AAB		Sc 3 - AAC		Sc 4 - AAE		Sc 5 - AAG		Sc 6 - AAH		Difference	%Difference	Difference	%Difference	Difference	%Difference	Difference	%Difference
Metro	0	0.00%	0	0.00%	17,467	8.14%	21,100	7.95%	16,751	7.60%	20,510	7.47%	16,751	0.0%	-716	-4.1%	20,510	0.0%	-590	-2.8%
DART+Irish Rail	75,682	36.76%	95,532	37.92%	68,017	31.70%	81,681	30.78%	80,642	36.59%	99,153	36.12%	4,959	6.6%	12,625	18.6%	3,621	3.8%	17,472	21.4%
Luas	30,108	14.62%	38,186	15.16%	28,072	13.08%	38,755	14.61%	26,659	12.10%	36,681	13.36%	-3,449	-11.5%	-1,413	-5.0%	-1,505	-3.9%	-2,074	-5.4%
Urban+Other Bus	100,080	48.61%	118,190	46.92%	101,013	47.08%	123,792	46.66%	96,359	43.72%	118,170	43.05%	-3,721	-3.7%	-4,654	-4.6%	-20	0.0%	-5,622	-4.5%
<b>TOTAL</b>	<b>205,870</b>	<b>100.00%</b>	<b>251,908</b>	<b>100.00%</b>	<b>214,569</b>	<b>100.00%</b>	<b>265,328</b>	<b>100.00%</b>	<b>220,411</b>	<b>100.00%</b>	<b>274,514</b>	<b>100.00%</b>	<b>14,540</b>	<b>7.1%</b>	<b>5,842</b>	<b>2.7%</b>	<b>22,606</b>	<b>9.0%</b>	<b>9,186</b>	<b>3.5%</b>

LT	2028 Do Committed		2043 Do Committed		2028 NDP		2043 Strategy		2028 Unlimited		2043 Unlimited		2028 Unlimited vs Do		2028 Unlimited vs NDP		2043 Unlimited vs Do		2043 Unlimited vs Stra	
	Sc 1 - AAA		Sc 2 - AAB		Sc 3 - AAC		Sc 4 - AAE		Sc 5 - AAG		Sc 6 - AAH		Difference	%Difference	Difference	%Difference	Difference	%Difference	Difference	%Difference
Metro	0	0.00%	0	0.00%	7,434	11.08%	8,787	10.52%	7,225	10.59%	8,523	9.95%	7,225	0.0%	-209	-2.8%	8,523	0.0%	-264	-3.0%
DART+Irish Rail	16,412	27.39%	20,308	27.91%	15,126	22.54%	18,557	22.21%	19,007	27.86%	23,926	27.94%	2,595	15.8%	3,882	25.7%	3,618	17.8%	5,369	28.9%
Luas	9,458	15.78%	12,315	16.92%	9,302	13.86%	13,303	15.92%	8,832	12.95%	12,679	14.81%	-626	-6.6%	-470	-5.1%	364	3.0%	-624	-4.7%
Urban+Other Bus	34,051	56.83%	40,153	55.17%	35,245	52.52%	42,893	51.34%	33,151	48.60%	40,511	47.30%	-900	-2.6%	-2,094	-5.9%	358	0.9%	-2,382	-5.6%
<b>TOTAL</b>	<b>59,921</b>	<b>100.00%</b>	<b>72,776</b>	<b>100.00%</b>	<b>67,107</b>	<b>100.00%</b>	<b>83,540</b>	<b>100.00%</b>	<b>68,215</b>	<b>100.00%</b>	<b>85,639</b>	<b>100.00%</b>	<b>8,294</b>	<b>13.8%</b>	<b>1,109</b>	<b>1.7%</b>	<b>12,863</b>	<b>17.7%</b>	<b>2,099</b>	<b>2.5%</b>

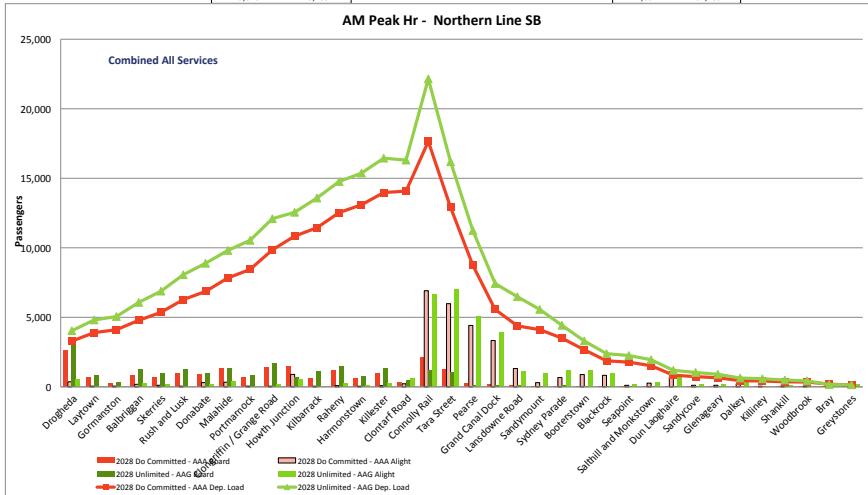
SR	2028 Do Committed		2043 Do Committed		2028 NDP		2043 Strategy		2028 Unlimited		2043 Unlimited		2028 Unlimited vs Do		2028 Unlimited vs NDP		2043 Unlimited vs Do		2043 Unlimited vs Stra	
	Sc 1 - AAA		Sc 2 - AAB		Sc 3 - AAC		Sc 4 - AAE		Sc 5 - AAG		Sc 6 - AAH		Difference	%Difference	Difference	%Difference	Difference	%Difference	Difference	%Difference
Metro	0	0.00%	0	0.00%	9,439	10.38%	11,263	10.07%	9,038	9.70%	10,749	9.29%	9,038	0.0%	-401	-4.2%	10,749	0.0%	-514	-4.6%
DART+Irish Rail	22,379	27.79%	27,564	28.37%	21,151	23.25%	25,737	23.01%	27,228	29.22%	34,090	29.47%	4,849	21.7%	6,078	28.7%	6,525	23.7%	8,353	32.5%
Luas	13,358	16.59%	17,059	17.56%	13,283	14.60%	18,380	16.43%	12,544	13.46%	17,453	15.09%	-814	-6.1%	-739	-5.6%	394	2.3%	-927	-5.0%
Urban+Other Bus	44,797	55.62%	52,522	54.07%	47,097	51.77%	56,470	50.49%	44,358	47.61%	53,398	46.16%	-439	-1.0%	-2,739	-5.8%	876	1.7%	-3,072	-5.4%
<b>TOTAL</b>	<b>80,534</b>	<b>100.00%</b>	<b>97,145</b>	<b>100.00%</b>	<b>90,970</b>	<b>100.00%</b>	<b>111,850</b>	<b>100.00%</b>	<b>93,168</b>	<b>100.00%</b>	<b>115,690</b>	<b>100.00%</b>	<b>12,634</b>	<b>15.7%</b>	<b>2,199</b>	<b>2.4%</b>	<b>18,544</b>	<b>19.1%</b>	<b>3,840</b>	<b>3.4%</b>

PM	2028 Do Committed		2043 Do Committed		2028 NDP		2043 Strategy		2028 Unlimited		2043 Unlimited		2028 Unlimited vs Do		2028 Unlimited vs NDP		2043 Unlimited vs Do		2043 Unlimited vs Stra	
	Sc 1 - AAA		Sc 2 - AAB		Sc 3 - AAC		Sc 4 - AAE		Sc 5 - AAG		Sc 6 - AAH		Difference	%Difference	Difference	%Difference	Difference	%Difference	Difference	%Difference
Metro	0	0.00%	0	0.00%	13,751	8.25%	16,666	8.19%	13,052	7.72%	16,031	7.68%	13,052	0.0%	-699	-5.1%	16,031	0.0%	-635	-3.8%
DART+Irish Rail	59,246	37.45%	73,724	38.59%	5															



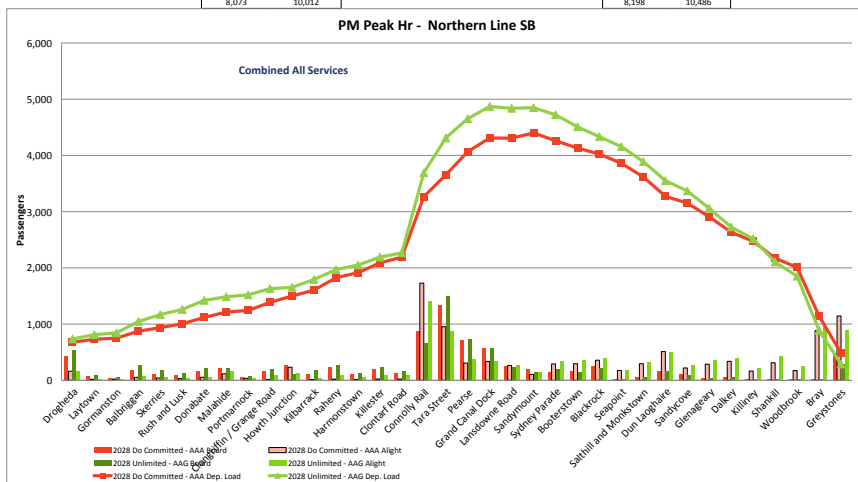
Service Group1: NorthDART SB Service Group2: MayDART SB Service Group3: Commuter Northern Line SB  
 Chart Title: AM Peak Hr - Northern Line SB

Node	Station	2028 Do Committed - AAA						2028 Unlimited - AAG					
		2028 Do Committed - AAA Board	2028 Do Committed - AAA Ailght	2028 Do Committed - AAA Dep. Load	2028 Do Committed - AAA Seated Capacity	2028 Do Committed - AAA Crush Capacity	2028 Do Committed - AAA Loading Ratio	2028 Unlimited - AAG Board	2028 Unlimited - AAG Ailght	2028 Unlimited - AAG Dep. Load	2028 Unlimited - AAG Seated Capacity	2028 Unlimited - AAG Crush Capacity	2028 Unlimited - AAG Loading Ratio
99120	Drogheda	2,649	362	3,292	2,500	6,337	132%	3,588	513	4,036	160,436	160,793	3%
99119	Laytown	656	49	3,898	2,500	6,337	156%	845	72	4,809	160,436	160,793	3%
99117	Gormanston	261	52	4,108	2,500	6,337	164%	310	61	5,057	160,436	160,793	3%
99116	Ballrigger	857	182	4,782	2,500	6,337	191%	1,278	265	6,071	160,436	160,793	4%
99115	Skerries	690	114	5,359	2,500	6,337	214%	996	186	6,881	160,436	160,793	4%
99114	Rush and Lusk	950	35	6,274	2,500	6,337	251%	1,247	67	8,060	160,436	160,793	5%
99113	Donabate	889	304	6,859	2,500	6,337	274%	1,006	181	8,886	160,436	160,793	6%
99112	Malahide	1,304	334	7,830	4,036	10,483	194%	1,338	414	9,810	160,436	160,793	6%
99111	Portmanock	668	53	8,445	4,036	10,483	209%	794	66	10,538	160,436	160,793	7%
99187	Clongriffin / Grange Road	1,429	20	9,853	5,722	14,629	177%	1,709	155	12,093	160,436	160,793	8%
99105	Howth Junction	1,455	897	10,838	5,722	14,629	195%	700	528	12,553	160,436	160,793	8%
99104	Kilbarrack	606	4	11,440	5,722	14,629	205%	1,090	65	13,579	160,436	160,793	8%
99103	Raheny	1,181	88	12,533	5,722	14,629	225%	1,473	285	14,767	160,436	160,793	9%
99102	Harmonstown	600	39	13,094	5,722	14,629	235%	726	120	15,372	160,436	160,793	10%
99101	Killester	966	85	13,975	5,722	14,629	251%	1,342	270	16,444	160,436	160,793	10%
99109	Clontarf Road	319	220	14,074	5,722	14,629	253%	482	621	16,306	160,436	160,793	10%
99100	Connolly Rail	2,125	6,912	17,847	8,192	22,112	215%	1,221	6,886	22,149	319,968	319,968	7%
99124	Tara Street	1,242	5,980	12,908	8,192	22,112	158%	1,061	7,022	16,189	319,968	319,968	5%
99150	Pearse	246	4,415	8,739	8,192	22,112	107%	114	5,062	11,240	319,968	319,968	4%
99110	Grand Canal Dock	155	3,329	5,565	5,120	13,820	109%	113	3,925	7,428	179,982	179,982	4%
99125	Lansdowne Road	136	1,318	4,383	5,120	13,820	86%	144	1,091	6,481	179,982	179,982	4%
99188	Sandymount	32	301	4,113	5,120	13,820	80%	36	950	5,568	179,982	179,982	3%
99126	Sydney Parade	58	669	3,502	5,120	13,820	68%	73	1,215	4,425	179,982	179,982	2%
99127	Boooterstown	45	883	2,664	5,120	13,820	52%	46	1,171	3,300	179,982	179,982	2%
99128	Blackrock	36	829	1,871	5,120	13,820	37%	30	945	2,385	179,982	179,982	1%
99129	Seapoint	16	110	1,776	5,120	13,820	35%	15	148	2,252	179,982	179,982	1%
99130	Salthill and Monkstown	14	269	1,521	5,120	13,820	30%	19	322	1,949	179,982	179,982	1%
99131	Dun Laoghaire	21	704	838	3,584	9,674	23%	20	780	1,189	179,982	179,982	1%
99132	Sandy Cove	11	114	735	3,584	9,674	20%	10	165	1,034	179,982	179,982	1%
99133	Glenagary	30	114	650	3,584	9,674	18%	36	168	902	179,982	179,982	1%
99134	Dalkey	18	221	448	3,584	9,674	12%	21	290	633	179,982	179,982	0%
99135	Killiney	5	35	418	3,584	9,674	12%	5	57	581	179,982	179,982	0%
99136	Shankill	10	65	363	3,584	9,674	10%	12	103	490	179,982	179,982	0%
99146	Woodbrook	2	20	345	3,584	9,674	10%	2	65	427	179,982	179,982	0%
99140	Bray	11	161	195	1,024	2,764	19%	5	268	164	19,998	19,998	1%
99141	Greystones	128	195	128	190	340	67%	144	164	144	190	340	76%
		19,820	29,483					22,051	34,465				



Service Group: NorthDART SB Service Group2: MayDART SB Service Group3: Commuter Northern Line SB  
 Chart Title: PM Peak Hr - Northern Line SB

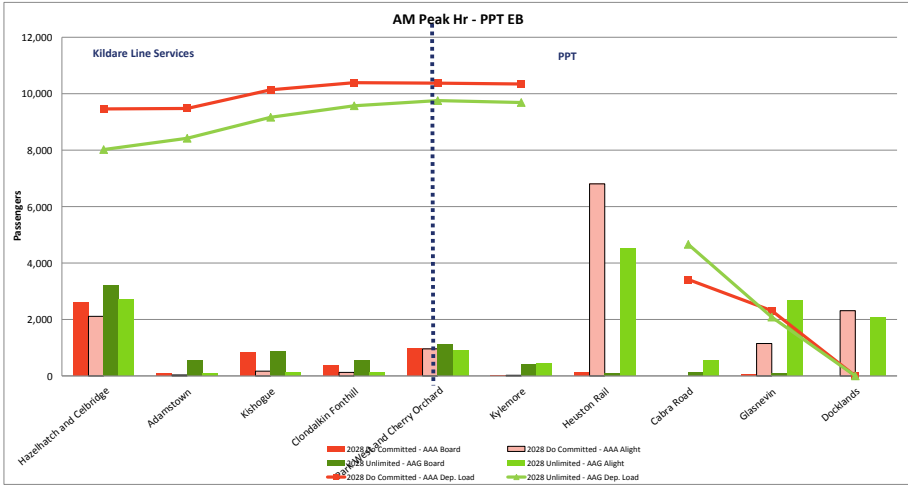
Node	Station	2028 Do Committed - AAA						2028 Unlimited - AAG					
		2028 Do Committed - AAA Board	2028 Do Committed - AAA Aight	2028 Do Committed - AAA Dep. Load	2028 Do Committed - AAA Seated Capacity	2028 Do Committed - AAA Crush Capacity	2028 Do Committed - AAA Loading Ratio	2028 Unlimited - AAG Board	2028 Unlimited - AAG Aight	2028 Unlimited - AAG Dep. Load	2028 Unlimited - AAG Seated Capacity	2028 Unlimited - AAG Crush Capacity	2028 Unlimited - AAG Loading Ratio
99120	Drogheda	430	162	676	2,500	6,337	27%	530	154	736	160,436	160,793	0%
99119	Laytown	73	18	731	2,500	6,337	29%	98	21	812	160,436	160,793	1%
99117	Gormanston	41	22	749	2,500	6,337	30%	49	17	844	160,436	160,793	1%
99116	Ballyriggan	178	54	673	2,500	6,337	35%	267	65	1,046	160,436	160,793	1%
99115	Skerrins	106	43	937	2,500	6,337	37%	176	54	1,169	160,436	160,793	1%
99114	Rush and Lusk	98	30	1,005	2,500	6,337	40%	124	31	1,261	160,436	160,793	1%
99113	Donabate	168	55	1,118	2,500	6,337	45%	214	53	1,422	160,436	160,793	1%
99112	Malahide	212	117	1,214	4,036	10,483	30%	222	158	1,486	160,436	160,793	1%
99111	Portmarnock	64	36	1,242	4,036	10,483	21%	79	45	1,519	160,436	160,793	1%
99187	Clongriffin / Grange Road	161	16	1,387	5,772	14,629	25%	205	94	1,631	160,436	160,793	1%
99105	Howth Junction	261	233	1,499	5,772	14,629	27%	107	133	1,654	160,436	160,793	1%
99104	Kilbarrack	107	2	1,604	5,772	14,629	29%	176	37	1,792	160,436	160,793	1%
99103	Raheny	242	22	1,825	5,772	14,629	33%	268	91	1,969	160,436	160,793	1%
99102	Harmonstown	105	16	1,913	5,772	14,629	34%	131	51	2,050	160,436	160,793	1%
99101	Kiltester	199	24	2,089	5,772	14,629	37%	229	89	2,190	160,436	160,793	1%
99109	Clontarf Road	125	23	2,191	5,772	14,629	39%	164	87	2,268	160,436	160,793	1%
99100	Connolly Rail	870	1,728	3,265	8,192	22,112	40%	654	1,400	3,690	319,968	319,968	1%
99124	Tara Street	1,341	953	3,653	8,192	22,112	45%	1,502	982	4,310	319,968	319,968	1%
99150	Pearse	719	307	4,066	8,192	22,112	50%	728	385	4,654	319,968	319,968	1%
99110	Grand Canal Dock	580	336	4,310	5,120	13,820	84%	565	348	4,871	179,982	179,982	3%
99125	Lansdowne Road	260	264	4,306	5,120	13,820	84%	240	274	4,838	179,982	179,982	3%
99188	Sandymount	199	105	4,401	5,120	13,820	86%	151	140	4,849	179,982	179,982	3%
99126	Sydney Parade	152	292	4,261	5,120	13,820	83%	207	333	4,723	179,982	179,982	3%
99127	Boooterstown	164	295	4,130	5,120	13,820	81%	149	364	4,508	179,982	179,982	3%
99128	Blackrock	251	358	4,023	5,120	13,820	79%	213	390	4,331	179,982	179,982	3%
99129	Seapoint	11	175	3,859	5,120	13,820	75%	11	187	4,156	179,982	179,982	2%
99130	Salthill and Monkstown	53	295	3,618	5,120	13,820	71%	63	330	3,889	179,982	179,982	2%
99131	Dun Laoghaire	165	511	3,272	3,584	9,674	91%	169	505	3,552	179,982	179,982	2%
99132	Sandycove	101	220	3,153	3,584	9,674	88%	85	269	3,368	179,982	179,982	2%
99133	Glenageary	41	287	2,907	3,584	9,674	81%	40	350	3,058	179,982	179,982	2%
99134	Dalkey	64	338	2,633	3,584	9,674	73%	64	395	2,726	179,982	179,982	2%
99135	Killiney	4	165	2,472	3,584	9,674	69%	4	215	2,516	179,982	179,982	1%
99136	Shankill	12	312	2,172	3,584	9,674	61%	11	424	2,103	179,982	179,982	1%
99146	Woodbrook	10	173	2,008	3,584	9,674	56%	8	260	1,851	179,982	179,982	1%
99140	Bray	19	883	1,144	1,024	2,764	112%	7	969	889	19,998	19,998	4%
99141	Greystones	485	1,144	485	190	340	255%	289	889	289	190	340	152%
		8,073	10,012					8,198	10,486				



Service Group1: PPT EB  
 Chart Title: AM Peak Hr - PPT EB

Service Group2: Commuter EB Service Group3: PPT D EB  
 Commuter Northern Line NB

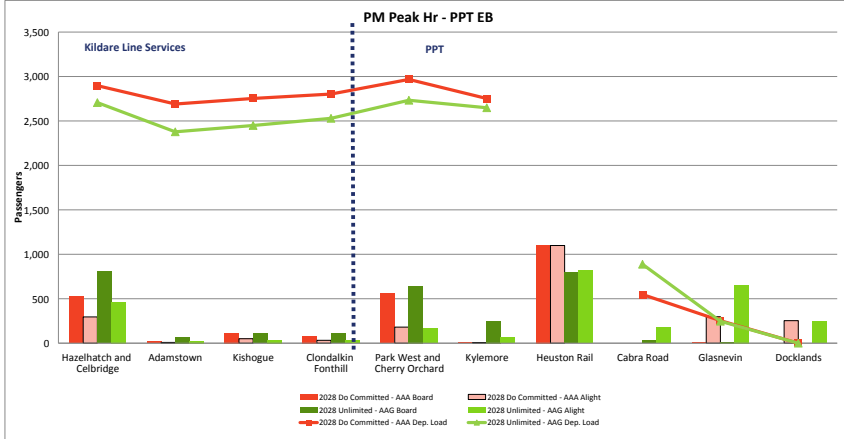
Node	Station	2028 Do Committed - AAA						2028 Unlimited - AAG					
		2028 Do Committed - AAA Board	2028 Do Committed - AAA Alight	2028 Do Committed - AAA Dep. Load	2028 Do Committed - AAA Seated Capacity	2028 Do Committed - AAA Crush Capacity	2028 Do Committed - AAA Loading Ratio	2028 Unlimited - AAG Board	2028 Unlimited - AAG Alight	2028 Unlimited - AAG Dep. Load	2028 Unlimited - AAG Seated Capacity	2028 Unlimited - AAG Crush Capacity	2028 Unlimited - AAG Loading Ratio
99078	Hazelhatch and Celbridge	2,601	2,111	9,461	11,042	26,282	86%	3,206	2,698	8,021	163,858	166,918	5%
99075	Adamstown	77	34	9,477	11,042	26,282	86%	550	89	8,421	163,858	166,918	5%
99400	Kishogue	830	169	10,138	11,042	26,282	92%	869	124	9,165	163,858	166,918	6%
99077	Clonsilla/Fonthill	377	124	10,391	11,042	26,282	96%	540	133	9,572	163,858	166,918	6%
99076	Park West and Cherry Orchard	971	958	10,374	11,042	26,282	94%	1,127	896	9,756	163,858	166,918	6%
99417	Kylemore	0	0	10,344	11,042	26,282	94%	425	446	9,688	163,858	166,918	6%
99001	Heuston Rail	124	6,805					87	4,511				
99411	Cabra Road	0	0	3,416	5,120	13,820	67%	137	567	4,661	119,988	119,988	4%
99404	Glasnevin	43	1,148	2,211	5,120	13,820	45%	98	2,677	2,083	119,988	119,988	2%
99084	Docklands	0	2,311	0	0	0	0%	0	2,083	0	0	0	0%
		5,022	13,659					7,038	14,224				



Service Group1: PPT EB  
 Chart Title: PM Peak Hr - PPT EB

Service Group2: Commuter EB Service Group3: PPT D EB  
 Commuter Northern Line NB

Node	Station	2028 Do Committed - AAA						2028 Unlimited - AAG					
		2028 Do Committed - AAA Board	2028 Do Committed - AAA Alight	2028 Do Committed - AAA Dep. Load	2028 Do Committed - AAA Seated Capacity	2028 Do Committed - AAA Crush Capacity	2028 Do Committed - AAA Loading Ratio	2028 Unlimited - AAG Board	2028 Unlimited - AAG Alight	2028 Unlimited - AAG Dep. Load	2028 Unlimited - AAG Seated Capacity	2028 Unlimited - AAG Crush Capacity	2028 Unlimited - AAG Loading Ratio
99078	Hazelhatch and Celbridge	527	295	2,697	11,042	26,282	26%	805	464	2,706	163,858	166,918	2%
99075	Adamstown	21	9	2,691	11,042	26,282	24%	70	23	2,378	163,858	166,918	1%
99400	Kishogue	113	50	2,753	11,042	26,282	25%	108	37	2,449	163,858	166,918	1%
99077	Clonsalkin Fonthill	62	32	2,803	11,042	26,282	25%	107	27	2,530	163,858	166,918	2%
99076	Park West and Cherry Orchard	561	181	2,967	11,042	26,282	27%	642	168	2,733	163,858	166,918	2%
99417	Kylemore	1	1	2,752	11,042	26,282	25%	249	63	2,648	163,858	166,918	2%
99001	Heuston Rail	1,106	1,099	548	5,120	13,820	11%	32	179	888	119,988	119,988	1%
99411	Cabra Road	0	0	548	5,120	13,820	11%	14	654	247	119,988	119,988	0%
99404	Glasnevin	3	297	253	0	0	0%	0	247	0	0	0%	
99084	Docklands	0	253	0	0	0	0%	0	247	0	0	0%	
		2,412	2,217					2,824	2,680				

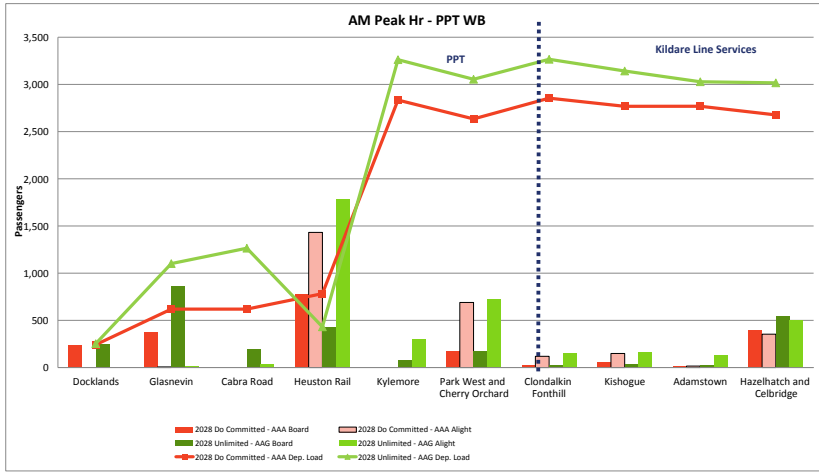


Service Group1: PPT WB  
 Chart Title: AM Peak Hr - PPT WB

Service Group2: Commuter WB Service Group3: PPT D WB

		Commuter Northern Line SB						2028 Unlimited - AAG								
Node	Station	2028 Do Committed - AAA			2028 Do Committed - AAA			2028 Unlimited - AAG Board		2028 Unlimited - AAG Board		2028 Unlimited - AAG Board		2028 Unlimited - AAG Board		
		2028 Do Committed - AAA Board	2028 Do Committed - AAA Aught	2028 Do Committed - AAA Dep. Load	2028 Do Committed - AAA Seated Capacity	2028 Do Committed - AAA Crush Capacity	2028 Do Committed - AAA Loading Ratio	2028 Unlimited - AAG Board	2028 Unlimited - AAG Aught	2028 Unlimited - AAG Dep. Load	2028 Unlimited - AAG Seated Capacity	2028 Unlimited - AAG Crush Capacity	2028 Unlimited - AAG Loading Ratio	2028 Unlimited - AAG Board	2028 Unlimited - AAG Aught	2028 Unlimited - AAG Dep. Load
99084	Docklands	242	0	242	5,120	13,820	5%	253	0	253	119,988	119,988	0%			
99404	Glasnevin	377	0	619	5,120	13,820	12%	863	15	1,101	119,988	119,988	1%			
99411	Cabra Road	0	0	619	5,120	13,820	12%	200	37	1,265	119,988	119,988	1%			
99011	Heuston Rail	783	1,432	783	5,922	12,462	13%	431	1,790	431	43,870	46,390	1%			
99417	Kilmore	0	0	2,834	11,802	27,542	24%	79	303	3,262	164,618	168,178	2%			
99076	Park West and Cherry Orchard	177	690	2,634	11,802	27,542	22%	178	728	3,055	164,618	168,178	2%			
99077	Clondalkin Fonthill	26	119	2,854	11,802	27,542	24%	28	158	3,266	164,618	168,178	2%			
99400	Kishogue	63	149	2,768	11,802	27,542	23%	38	163	3,142	164,618	168,178	2%			
99075	Adamstown	16	16	2,769	11,802	27,542	23%	23	137	3,038	164,618	168,178	2%			
99078	Hazelhatch and Celbridge	397	354	2,677	4,444	7,854	60%	550	507	3,017	4,444	7,854	68%			
		2,082	2,760					2,644	3,837							

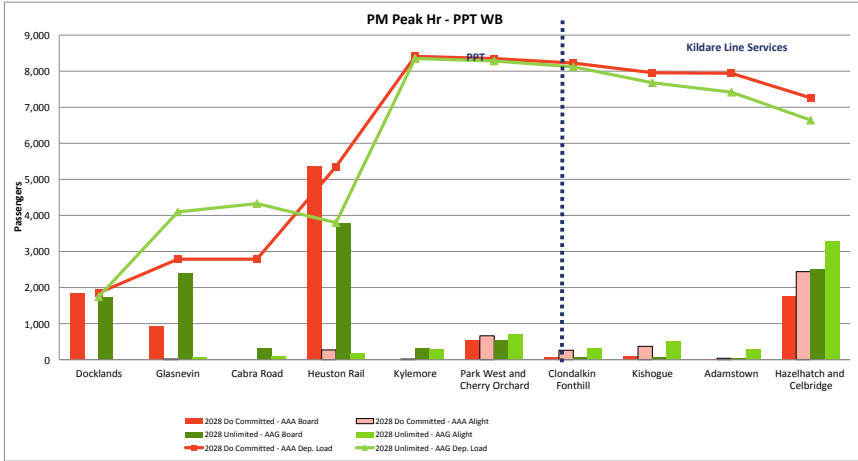
99,110  
 99,411  
 99,410  
 99,001  
 99,076  
 99,077  
 99,400  
 99,075



Service Group1: PPT WB  
 Chart Title: PM Peak Hr - PPT WB

Service Group2: Commuter WB  
 Service Group3: PPT D WB  
 Commuter Northern Line SB

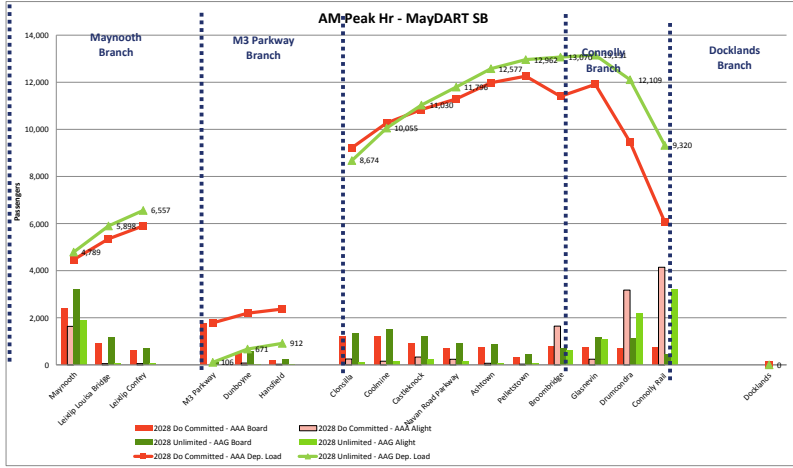
Node	Station	2028 Do Committed - AAA						2028 Unlimited - AAG					
		2028 Do Committed - AAA Board	2028 Do Committed - AAA Alight	2028 Do Committed - AAA Dep. Load	2028 Do Committed - AAA Seated Capacity	2028 Do Committed - AAA Crush Capacity	2028 Do Committed - AAA Loading Ratio	2028 Unlimited - AAG Board	2028 Unlimited - AAG Alight	2028 Unlimited - AAG Dep. Load	2028 Unlimited - AAG Seated Capacity	2028 Unlimited - AAG Crush Capacity	2028 Unlimited - AAG Loading Ratio
99084	Docklands	1,853	0	1,853	5,120	13,820	36%	1,747	0	1,747	119,988	119,988	1%
99404	Glasnevin	941	7	2,787	5,120	13,820	54%	2,408	57	4,097	119,988	119,988	3%
99411	Cabra Road	0	0	2,787	5,120	13,820	54%	323	92	4,328	119,988	119,988	4%
99401	Heuston Rail	5,353	270	5,353	5,322	12,462	90%	3,798	150	3,798	43,870	46,930	9%
99417	Kylemore	0	0	8,411	11,802	27,542	71%	315	279	8,352	164,618	168,178	5%
99076	Park West and Cherry Orchard	529	662	8,350	11,802	27,542	71%	535	695	8,283	164,618	168,178	5%
99077	Clondalkin Fonthill	64	261	8,225	11,802	27,542	70%	77	329	8,121	164,618	168,178	5%
99400	Kishogue	102	370	7,957	11,802	27,542	67%	66	509	7,679	164,618	168,178	5%
99075	Adamstown	24	38	7,942	11,802	27,542	67%	37	298	7,417	164,618	168,178	5%
99078	Hazelhatch and Celbridge	1,761	2,441	7,261	4,444	7,854	163%	2,511	3,297	6,643	4,444	7,854	149%
		10,626	4,050					11,818	5,746				



Service Group1: MayDART SB  
 Chart Title: AM Peak Hr - MayDART SB

Service Group2: Commuter SB  
 Service Group3: MayDART D SB

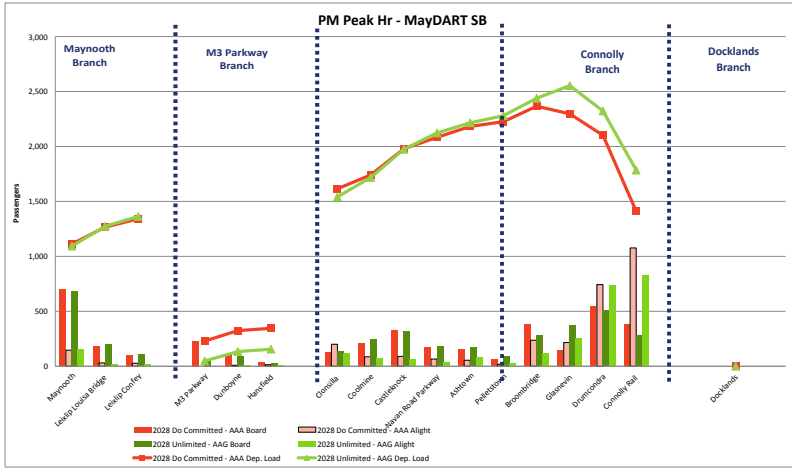
Node	Station	2028 Do Committed - AAA						2028 Unlimited - AAG					
		2028 Do Committed - AAA Board	2028 Do Committed - AAA Alight	2028 Do Committed - AAA Dep. Load	2028 Do Committed - AAA Seated Capacity	2028 Do Committed - AAA Crush Capacity	2028 Do Committed - AAA Loading Ratio	2028 Unlimited - AAG Board	2028 Unlimited - AAG Alight	2028 Unlimited - AAG Dep. Load	2028 Unlimited - AAG Seated Capacity	2028 Unlimited - AAG Crush Capacity	2028 Unlimited - AAG Loading Ratio
99091	Maynooth	2,379	1,634	4,467	4,860	12,596	92%	3,190	1,906	4,789	161,032	161,752	3%
99092	Leixlip Louisia Bridge	934	51	5,349	4,860	12,596	110%	1,186	77	5,898	161,032	161,752	4%
99093	Leixlip Conley	604	53	5,900	4,860	12,596	121%	701	43	6,557	161,032	161,752	4%
99086	M3 Parkway	1,782	0	1,782	950	1,700	188%	106	0	106	950	1,700	11%
99085	Dunboyne	487	76	2,193	950	1,700	231%	572	8	671	950	1,700	71%
99087	Hansfield	192	16	2,369	950	1,700	249%	244	2	912	950	1,700	96%
99094	Clonsilla	1,195	248	9,217	5,810	14,296	159%	1,324	119	8,674	161,982	163,452	5%
99095	Coolmine	1,209	154	10,272	5,810	14,296	177%	1,528	147	10,055	161,982	163,452	6%
99096	Castleknock	901	331	10,842	5,810	14,296	187%	1,197	221	11,030	161,982	163,452	7%
99089	Navan Road Parkway	686	236	11,292	5,810	14,296	194%	910	144	11,796	161,982	163,452	7%
99097	Ashtown	755	67	11,979	5,810	14,296	206%	862	81	12,577	161,982	163,452	8%
99415	Pelletstown	310	31	12,259	5,810	14,296	211%	437	52	12,962	161,982	163,452	8%
99098	Broombridge	787	1,644	11,401	5,810	14,296	196%	718	609	13,070	161,982	163,452	8%
99404	Glasnevin	750	239	11,913	5,810	14,296	205%	1,152	1,071	13,151	161,982	163,452	8%
99099	Drumcondra	720	3,175	9,458	5,810	14,296	163%	1,128	2,170	12,109	161,982	163,452	7%
99100	Connolly Rail	747	4,144	6,061	3,072	8,292	197%	425	3,214	9,320	159,984	159,984	6%
99084	Docklands	0	0	0	0	0	0%	0	0	0	0	0	0%
		14,439	12,100					15,680	9,865				



Service Group1: MayDART SB  
 Chart Title: PM Peak Hr - MayDART SB

Service Group2: Commuter SB  
 Service Group3: MayDART D SB

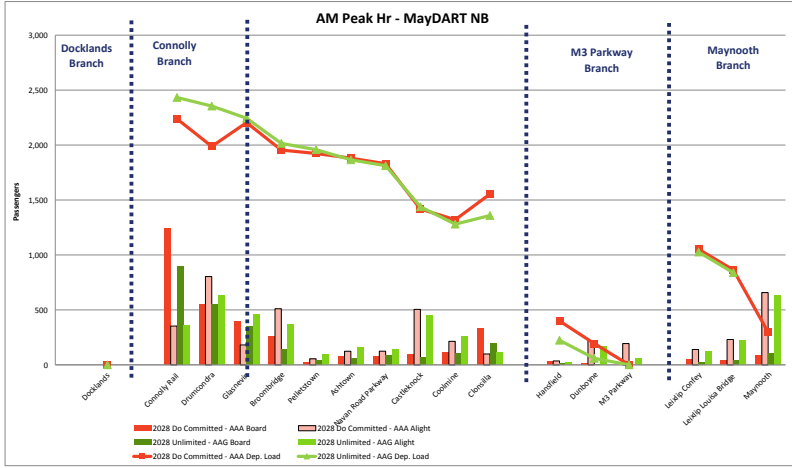
Node	Station	2028 Do Committed - AAA						2028 Unlimited - AAG					
		2028 Do Committed - AAA Board	2028 Do Committed - AAA Alight	2028 Do Committed - AAA Dep. Load	2028 Do Committed - AAA Seated Capacity	2028 Do Committed - AAA Crush Capacity	2028 Do Committed - AAA Loading Ratio	2028 Unlimited - AAG Board	2028 Unlimited - AAG Alight	2028 Unlimited - AAG Dep. Load	2028 Unlimited - AAG Seated Capacity	2028 Unlimited - AAG Crush Capacity	2028 Unlimited - AAG Loading Ratio
99091	Maynooth	701	146	1,112	4,860	12,596	23%	684	151	1,093	161,032	161,752	1%
99092	Leixlip Louisa Bridge	184	30	1,266	4,860	12,596	26%	198	17	1,273	161,032	161,752	1%
99093	Leixlip Corney	103	27	1,342	4,860	12,596	28%	106	17	1,363	161,032	161,752	1%
99086	M3 Parkway	229	0	229	950	1,700	24%	48	0	48	950	1,700	5%
99085	Dunboyne	104	9	324	950	1,700	34%	88	2	134	950	1,700	14%
99087	Hansfield	35	14	345	950	1,700	36%	28	6	155	950	1,700	16%
99094	Clonsilla	128	200	1,615	5,810	14,296	28%	138	116	1,541	161,982	163,452	1%
99095	Coolmine	212	86	1,740	5,810	14,296	30%	248	72	1,717	161,982	163,452	1%
99096	Castleknock	328	90	1,978	5,810	14,296	34%	317	60	1,974	161,982	163,452	1%
99089	Navan Road Parkway	171	66	2,083	5,810	14,296	36%	181	32	2,123	161,982	163,452	1%
99097	Ashdown	154	55	2,182	5,810	14,296	38%	170	78	2,215	161,982	163,452	1%
99415	Pelletstown	61	18	2,225	5,810	14,296	38%	91	36	2,280	161,982	163,452	1%
99098	Broombridge	378	237	2,367	5,810	14,296	41%	279	120	2,439	161,982	163,452	2%
99404	Glasnevin	147	216	2,297	5,810	14,296	40%	372	257	2,554	161,982	163,452	2%
99099	Drumcondra	547	743	2,102	5,810	14,296	36%	510	740	2,323	161,982	163,452	1%
99100	Connolly Rail	386	1,077	1,411	3,072	8,292	46%	286	824	1,785	159,984	159,984	1%
99084	Docklands	0	0	0	0	0	0%	0	0	0	0	0	0%
		3,867						3,744					
		3,014						2,519					





Service Group1: MayDART NB  
 AM Peak Hr - MayDART NB  
 Service Group2: Commuter NB  
 Service Group3: MayDART D NB

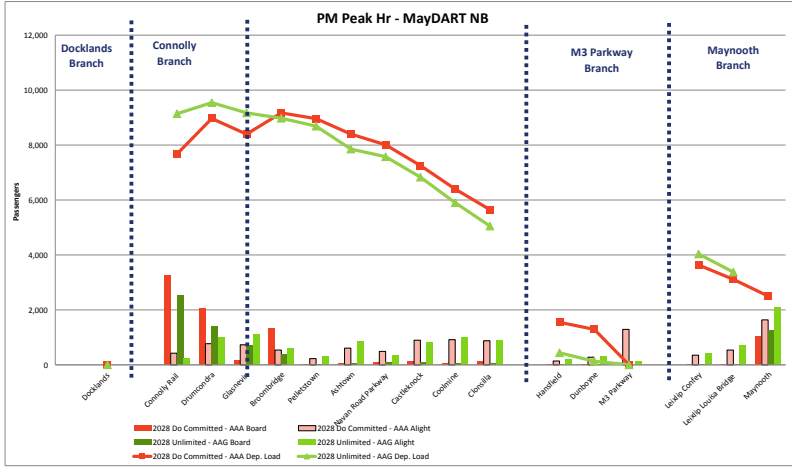
Node	Station	2028 Do Committed - AAA						2028 Unlimited - AAG					
		2028 Do Committed - AAA Board	2028 Do Committed - AAA Alight	2028 Do Committed - AAA Dep. Load	2028 Do Committed - AAA Seated Capacity	2028 Do Committed - AAA Crush Capacity	2028 Do Committed - AAA Loading Ratio	2028 Unlimited - AAG Board	2028 Unlimited - AAG Alight	2028 Unlimited - AAG Dep. Load	2028 Unlimited - AAG Seated Capacity	2028 Unlimited - AAG Crush Capacity	2028 Unlimited - AAG Loading Ratio
		99084	Docklands	0	0	0	0	0	0%	0	0	0	0
99100	Connolly Rail	1,244	353	2,238	5,666	14,146	39%	900	355	2,433	161,838	163,302	1%
99099	Drumcondra	553	803	1,988	5,666	14,146	35%	552	630	2,355	161,838	163,302	1%
99404	Glasnevin	398	181	2,204	5,666	14,146	39%	351	461	2,244	161,838	163,302	1%
99098	Broombridge	261	510	1,955	5,666	14,146	34%	139	368	2,015	161,838	163,302	1%
99415	Pelletstown	24	55	1,923	5,666	14,146	34%	37	94	1,958	161,838	163,302	1%
99097	Athtown	81	124	1,881	5,666	14,146	32%	63	155	1,866	161,838	163,302	1%
99089	Navan Road Parkway	74	124	1,830	5,666	14,146	32%	85	139	1,812	161,838	163,302	1%
99096	Castleknock	93	505	1,418	5,666	14,146	25%	72	446	1,438	161,838	163,302	1%
99095	Coolmine	117	214	1,321	5,666	14,146	23%	103	261	1,280	161,838	163,302	1%
99094	Cionnilla	332	99	1,554	5,666	14,146	27%	191	113	1,359	161,838	163,302	1%
99087	Hansfield	28	35	399	950	1,700	42%	16	27	224	950	1,700	24%
99085	Dunboyne	16	221	194	950	1,700	20%	3	168	59	950	1,700	6%
99086	M3 Parkway	0	194	0	0	0	0%	0	59	0	0	0	0%
99093	Leixlip Corney	46	140	1,052	4,716	12,446	22%	23	120	1,026	160,888	161,602	1%
99092	Leixlip Louisa Bridge	42	231	864	4,716	12,446	18%	37	224	839	160,888	161,602	1%
99091	Maynooth	90	658	296	904	1,618	33%	101	634	306	904	1,618	34%
		3,286	4,447					2,672	4,254				



Service Group1: MayDART NB  
 Chart Title: PM Peak Hr - MayDART NB

Service Group2: Commuter NB  
 Service Group3: MayDART D NB

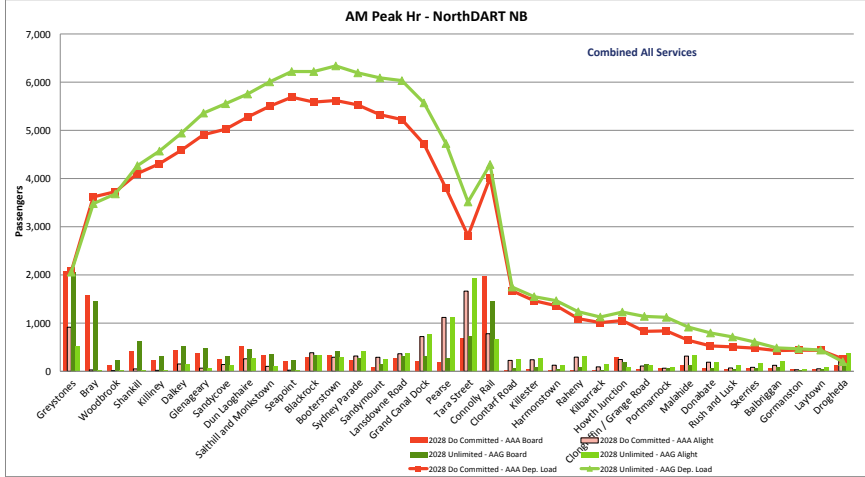
Node	Station	2028 Do Committed - AAA						2028 Unlimited - AAG					
		2028 Do Committed - AAA Board	2028 Do Committed - AAA Alight	2028 Do Committed - AAA Dep. Load	2028 Do Committed - AAA Seated Capacity	2028 Do Committed - AAA Crush Capacity	2028 Do Committed - AAA Loading Ratio	2028 Unlimited - AAG Board	2028 Unlimited - AAG Alight	2028 Unlimited - AAG Dep. Load	2028 Unlimited - AAG Seated Capacity	2028 Unlimited - AAG Crush Capacity	2028 Unlimited - AAG Loading Ratio
99084	Docklands	0	0	0	0	0	0%	0	0	0	0	0	0%
99100	Connolly Rail	3,270	434	7,674	5,666	14,146	135%	2,538	250	9,140	161,838	163,302	6%
99099	Drumcondra	2,063	770	8,967	5,666	14,146	158%	1,397	993	9,544	161,838	163,302	6%
99404	Glasnevin	158	728	8,397	5,666	14,146	148%	725	1,098	9,171	161,838	163,302	6%
99098	Broombridge	1,313	539	9,170	5,666	14,146	162%	393	588	8,976	161,838	163,302	6%
99415	Pelletstown	16	226	8,961	5,666	14,146	158%	29	317	8,888	161,838	163,302	5%
99097	Ashtown	48	608	8,400	5,666	14,146	148%	38	872	7,854	161,838	163,302	5%
99089	Navan Road Parkway	99	490	8,009	5,666	14,146	141%	77	354	7,577	161,838	163,302	5%
99096	Castleknock	143	897	7,254	5,666	14,146	128%	86	831	6,831	161,838	163,302	4%
99095	Coolmine	59	916	6,398	5,666	14,146	113%	54	985	5,901	161,838	163,302	4%
99094	Cionnilla	126	875	5,648	5,666	14,146	100%	58	907	5,051	161,838	163,302	3%
99087	Hansfield	6	140	1,548	950	1,700	163%	1	186	439	950	1,700	46%
99085	Dunboyne	21	278	1,291	950	1,700	136%	4	312	131	950	1,700	14%
99086	M3 Parkway	0	1,291	0	0	0	0%	0	131	0	0	0	0%
99093	Leixlip Corney	20	352	3,635	4,716	12,446	77%	18	410	4,035	160,888	161,602	3%
99092	Leixlip Louisa Bridge	16	539	3,112	4,716	12,446	66%	33	693	3,376	160,888	161,602	2%
99091	Maynooth	1,027	1,637	2,502	904	1,618	277%	1,272	2,093	2,555	904	1,618	283%
		8,385	10,712					6,724	11,020				



Service Group: NorthDART NB  
 Chart Title: AM Peak Hr - NorthDART NB

Service Group2: MayDART NB  
 Service Group3: Commuter Northern Line NB

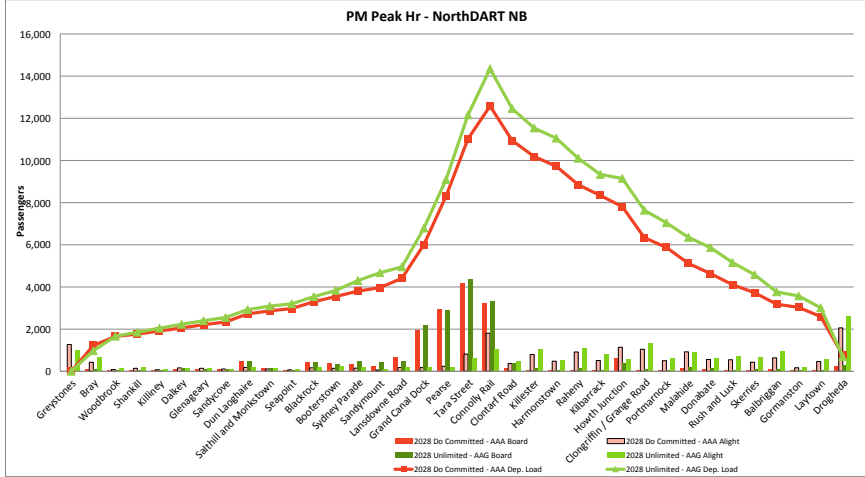
Node	Station	2028 Do Committed - AAA						2028 Unlimited - AAG					
		2028 Do Committed - AAA Board		2028 Do Committed - AAA Alight		2028 Do Committed - AAA Dep. Load		2028 Unlimited - AAG Board		2028 Unlimited - AAG Alight		2028 Unlimited - AAG Dep. Load	
		Committed	AAA Board	Committed	AAA Alight	Committed	AAA Dep. Load	Unlimited	AAG Board	Unlimited	AAG Alight	Unlimited	AAG Dep. Load
99141	Greystones	2,073	915	2,073	1,024	2,764	202%	2,057	518	2,057	19,982	19,982	10%
99140	Bray	1,575	29	3,619	3,584	9,674	101%	1,451	30	3,478	179,982	179,982	2%
99146	Woodbrook	125	17	3,727	3,584	9,674	104%	227	25	3,681	179,982	179,982	2%
99136	Shankill	426	50	4,103	3,584	9,674	114%	616	29	4,268	179,982	179,982	2%
99135	Kilmeay	225	20	4,308	3,584	9,674	120%	317	15	4,569	179,982	179,982	3%
99134	Dalkey	433	152	4,589	3,584	9,674	128%	520	147	4,942	179,982	179,982	3%
99133	Glensageary	387	66	4,910	3,584	9,674	137%	476	60	5,358	179,982	179,982	3%
99132	Sandycove	255	141	5,023	3,584	9,674	140%	319	124	5,553	179,982	179,982	3%
99131	Dan Laighaire	512	260	5,276	5,120	13,820	103%	465	264	5,754	179,982	179,982	3%
99130	Salthill and Monkstown	327	103	5,500	5,120	13,820	107%	364	112	6,006	179,982	179,982	3%
99129	Seapoint	212	24	5,688	5,120	13,820	111%	238	24	6,221	179,982	179,982	3%
99128	Blackrock	284	386	5,587	5,120	13,820	109%	332	333	6,220	179,982	179,982	3%
99127	Boooterstown	325	292	5,619	5,120	13,820	110%	411	294	6,337	179,982	179,982	4%
99126	Sydney Parade	226	318	5,527	5,120	13,820	108%	281	425	6,193	179,982	179,982	3%
99188	Sandymount	89	291	5,325	5,120	13,820	104%	142	245	6,089	179,982	179,982	3%
99125	Lansdowne Road	263	365	5,224	5,120	13,820	102%	312	369	6,032	179,982	179,982	3%
99110	Grand Canal Dock	214	721	4,717	8,192	22,112	58%	310	772	5,570	319,968	319,968	2%
99150	Pearse	197	1,118	3,796	8,192	22,112	46%	273	1,116	4,727	319,968	319,968	1%
99124	Tara Street	682	1,664	2,813	8,192	22,112	34%	728	1,541	3,514	319,968	319,968	1%
99100	Connolly Rail	1,983	780	4,016	10,262	27,028	39%	1,453	675	4,292	321,298	322,348	1%
99109	Clontarf Road	30	226	1,670	5,500	14,500	30%	67	244	1,748	160,364	160,664	1%
99101	Killesher	34	240	1,464	5,500	14,500	27%	83	283	1,549	160,364	160,664	1%
99102	Harmontstown	24	127	1,361	5,500	14,500	25%	53	136	1,466	160,364	160,664	1%
99103	Raheny	27	294	1,093	5,500	14,500	20%	76	305	1,236	160,364	160,664	1%
99104	Kilbarrack	9	93	1,010	5,500	14,500	18%	31	140	1,127	160,364	160,664	1%
99105	Howth Junction	289	245	1,053	7,036	18,646	15%	196	93	1,229	161,500	164,810	1%
99187	Clongriffin / Grange Road	38	110	829	3,964	10,354	21%	152	137	1,140	160,364	160,664	1%
99111	Portmarnock	74	65	839	3,964	10,354	21%	66	85	1,121	160,364	160,664	1%
99112	Malahide	119	316	643	2,428	6,208	26%	130	334	917	160,364	160,664	1%
99113	Donabate	73	189	527	2,428	6,208	22%	70	190	796	160,364	160,664	0%
99114	Rush and Lusk	50	70	507	2,428	6,208	21%	50	132	714	160,364	160,664	0%
99115	Skeries	57	83	481	2,428	6,208	20%	65	171	608	160,364	160,664	0%
99116	Balbegan	74	125	430	2,428	6,208	18%	88	211	486	160,364	160,664	0%
99117	Gormanston	41	33	439	2,428	6,208	18%	32	51	467	160,364	160,664	0%
99119	Laytown	49	52	435	2,428	6,208	18%	52	79	440	160,364	160,664	0%
99120	Dragheda	135	312	258	1,120	3,322	23%	132	372	200	1,120	3,322	18%
		11,936	10,290					12,636	10,482				



Service Group1: NorthDART NB  
 Chart Title: PM Peak Hr - NorthDART NB

Service Group2: MayDART SB  
 Service Group3: Commuter Northern Line NB

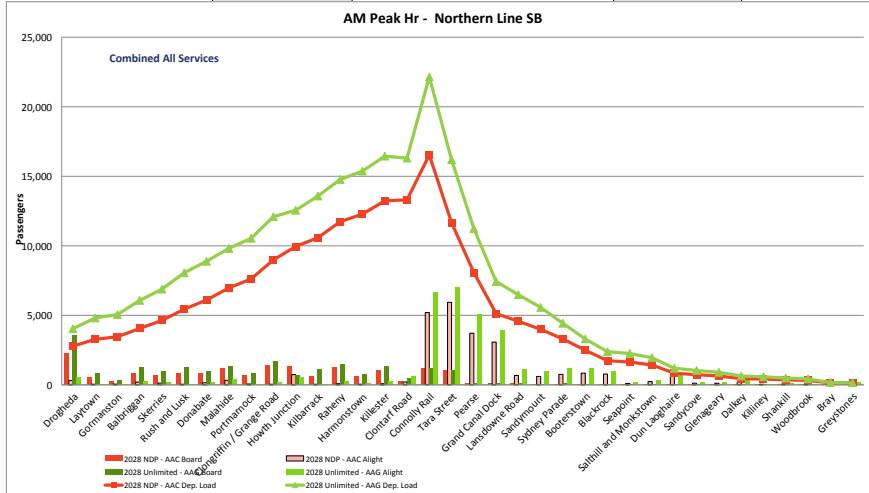
Node	Station	2028 Do Committed - AAA						2028 Unlimited - AAG					
		2028 Do Committed - AAA Board	2028 Do Committed - AAA Aight	2028 Do Committed - AAA Dep. Load	2028 Do Committed - AAA Seated Capacity	2028 Do Committed - AAA Crush Capacity	2028 Do Committed - AAA Loading Ratio	2028 Unlimited - AAG Board	2028 Unlimited - AAG Aight	2028 Unlimited - AAG Dep. Load	2028 Unlimited - AAG Seated Capacity	2028 Unlimited - AAG Crush Capacity	2028 Unlimited - AAG Loading Ratio
99141	Greystones	0	1,272	0	0	0	0%	0	1,017	0	0	0	0%
99140	Bray	100	430	1,225	2,560	6,910	48%	93	667	975	99,990	99,990	1%
99416	Woodbrook	29	84	1,655	3,584	9,674	46%	36	146	1,664	179,982	179,982	1%
99136	Shankill	48	142	1,765	3,584	9,674	49%	65	179	1,853	179,982	179,982	1%
99135	Kilmeay	22	76	1,912	3,584	9,674	53%	30	90	2,044	179,982	179,982	1%
99134	Dalkey	124	162	2,055	3,584	9,674	57%	160	163	2,231	179,982	179,982	1%
99133	Glenageary	84	143	2,209	3,584	9,674	62%	107	151	2,400	179,982	179,982	1%
99132	Sandycove	114	110	2,342	3,584	9,674	65%	120	114	2,553	179,982	179,982	1%
99131	Dun Laoghaire	481	185	2,721	5,120	13,820	53%	469	205	2,926	179,982	179,982	2%
99130	Salthill and Monkstown	135	111	2,869	5,120	13,820	56%	150	128	3,091	179,982	179,982	2%
99129	Seapoint	50	70	2,974	5,120	13,820	58%	50	87	3,203	179,982	179,982	2%
99128	Blackrock	453	167	3,299	5,120	13,820	64%	425	211	3,538	179,982	179,982	2%
99127	Boaterstown	379	142	3,548	5,120	13,820	69%	359	222	3,838	179,982	179,982	2%
99126	Sydney Parade	336	150	3,803	5,120	13,820	74%	499	192	4,304	179,982	179,982	2%
99188	Sandy Mount	248	61	3,966	5,120	13,820	77%	414	86	4,672	179,982	179,982	3%
99125	Lansdowne Road	694	179	4,411	5,120	13,820	86%	458	212	4,951	179,982	179,982	3%
99110	Grand Canal Dock	1,970	176	6,014	7,168	19,348	84%	2,167	180	6,792	259,974	259,974	3%
99150	Pearse	2,961	238	8,302	8,192	22,112	101%	2,922	187	8,095	319,968	319,968	3%
99124	Tara Street	4,178	817	11,027	8,192	22,112	135%	4,367	625	12,159	319,968	319,968	4%
99100	Connolly Rail	3,227	1,806	12,582	8,572	22,792	147%	3,308	1,068	14,348	320,348	320,348	4%
99109	Clontarf Road	143	369	10,945	5,500	14,500	199%	379	481	12,461	160,364	160,664	8%
99101	Killesher	39	799	10,185	5,500	14,500	185%	136	1,059	11,538	160,364	160,664	7%
99102	Harmontstown	21	480	9,726	5,500	14,500	177%	66	548	11,056	160,364	160,664	7%
99103	Raheny	39	917	8,848	5,500	14,500	161%	137	1,091	10,102	160,364	160,664	6%
99104	Kilbarrack	5	513	8,340	5,500	14,500	152%	43	809	9,337	160,364	160,664	6%
99105	Howth Junction	610	1,141	7,809	7,036	18,646	111%	375	584	9,147	161,500	164,810	6%
99187	Clongriffin / Grange Road	11	1,046	6,338	3,964	10,354	160%	88	1,318	7,637	160,364	160,664	5%
99111	Portmarnock	38	504	5,873	3,964	10,354	148%	27	619	7,045	160,364	160,664	4%
99112	Malahide	167	924	5,116	2,428	6,208	211%	196	890	6,352	160,364	160,664	4%
99113	Donabate	78	560	4,634	2,428	6,208	191%	137	621	5,867	160,364	160,664	4%
99114	Rush and Lusk	22	649	4,108	2,428	6,208	169%	25	734	5,158	160,364	160,664	3%
99115	Skeries	54	432	3,729	2,428	6,208	154%	84	662	4,581	160,364	160,664	3%
99116	Balbegan	92	639	3,182	2,428	6,208	131%	119	932	3,767	160,364	160,664	2%
99117	Gormanston	22	170	3,034	2,428	6,208	125%	21	214	3,574	160,364	160,664	2%
99119	Laytown	21	463	2,592	2,428	6,208	107%	28	589	3,013	160,364	160,664	2%
99120	Dragheda	238	2,061	769	1,120	3,322	69%	301	2,613	701	1,120	3,322	63%
		17,231	18,088					18,363	19,677				



Service Group1: NorthDART SB  
 Chart Title: AM Peak Hr - Northern Line SB

Service Group2: MayDART SB  
 Service Group3: Commuter Northern Line SB

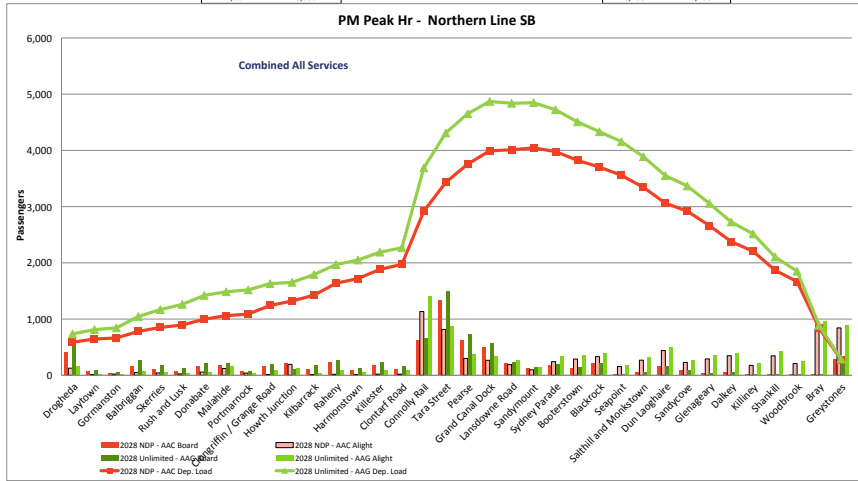
Node	Station	2028 NDP - AAC						2028 Unlimited - AAG					
		Board		Aboard		Dep. Load		Unlimited - AAG Board		Unlimited - AAG Aboard		Unlimited - AAG Dep. Load	
		2028 NDP - AAC Board	2028 NDP - AAC Aboard	2028 NDP - AAC Dep. Load	2028 NDP - AAC Capacity	2028 NDP - AAC Crush Capacity	2028 NDP - AAC Loading Ratio	2028 Unlimited - AAG Board	2028 Unlimited - AAG Aboard	2028 Unlimited - AAG Dep. Load	2028 Unlimited - AAG Capacity	2028 Unlimited - AAG Crush Capacity	2028 Unlimited - AAG Loading Ratio
99120	Drogheda	2,285	318	2,780	2,500	6,337	111%	3,588	513	4,036	160,436	160,793	3%
99119	Laytown	539	46	3,274	2,500	6,337	131%	845	72	4,809	160,436	160,793	3%
99117	Gormanston	239	54	3,458	2,500	6,337	138%	310	61	5,057	160,436	160,793	3%
99116	Barriggin	792	196	4,055	2,500	6,337	162%	1,278	265	6,071	160,436	160,793	4%
99115	Skeries	709	128	4,635	2,500	6,337	185%	996	186	6,881	160,436	160,793	4%
99114	Rush and Lusk	850	43	5,441	2,500	6,337	218%	1,247	67	8,060	160,436	160,793	5%
99113	Donabate	810	151	6,101	2,500	6,337	244%	1,006	181	8,886	160,436	160,793	6%
99112	Malahide	1,193	327	6,966	4,036	10,483	173%	1,338	414	9,810	160,436	160,793	6%
99111	Portmanock	713	63	7,617	4,036	10,483	189%	794	66	10,538	160,436	160,793	7%
99187	Clongriffin / Grange Road	1,385	17	8,985	5,722	14,629	161%	1,709	155	12,093	160,436	160,793	8%
99105	Howth Junction	1,360	734	9,948	5,722	14,629	179%	700	528	12,553	160,436	160,793	8%
99104	Kilbarrack	638	3	10,583	5,722	14,629	190%	1,090	65	13,579	160,436	160,793	8%
99103	Raheny	1,232	80	11,735	5,722	14,629	211%	1,473	285	14,767	160,436	160,793	9%
99102	Harmonstown	577	32	12,280	5,722	14,629	220%	726	120	15,372	160,436	160,793	10%
99101	Killester	1,030	79	13,231	5,722	14,629	237%	1,342	270	16,444	160,436	160,793	10%
99109	Clontarf Road	285	207	13,309	5,722	14,629	239%	482	621	16,306	160,436	160,793	10%
99100	Connolly Rail	1,206	5,198	16,536	8,192	22,112	202%	1,221	6,886	22,149	319,968	319,968	7%
99124	Tara Street	1,007	5,913	11,660	8,192	22,112	142%	1,061	7,022	16,189	319,968	319,968	5%
99150	Pearse	125	3,711	8,073	8,192	22,112	99%	114	5,062	11,240	319,968	319,968	4%
99110	Grand Canal Dock	125	3,074	5,124	5,120	13,820	100%	113	3,925	7,428	179,982	179,982	4%
99125	Lansdowne Road	120	676	4,568	5,120	13,820	89%	144	1,091	6,481	179,982	179,982	4%
99188	Sandymount	29	605	3,992	5,120	13,820	78%	36	950	5,568	179,982	179,982	3%
99126	Sydney Parade	58	753	3,298	5,120	13,820	64%	73	1,215	4,425	179,982	179,982	2%
99127	Boooterstown	32	841	2,489	5,120	13,820	49%	46	1,171	3,300	179,982	179,982	2%
99128	Blackrock	24	777	1,735	5,120	13,820	34%	30	945	2,385	179,982	179,982	1%
99129	Seapoint	12	104	1,643	5,120	13,820	24%	15	148	2,252	179,982	179,982	1%
99130	Salthill and Monkstown	15	235	1,424	5,120	13,820	28%	19	322	1,949	179,982	179,982	1%
99131	Dun Laoghaire	17	602	839	3,584	9,674	23%	20	780	1,189	179,982	179,982	1%
99132	Sandy Cove	8	119	728	3,584	9,674	20%	10	165	1,034	179,982	179,982	1%
99133	Glenagary	29	116	640	3,584	9,674	18%	36	168	902	179,982	179,982	1%
99134	Dalkey	18	216	443	3,584	9,674	12%	21	290	633	179,982	179,982	0%
99135	Killiney	4	34	413	3,584	9,674	12%	5	57	581	179,982	179,982	0%
99136	Shankill	9	62	360	3,584	9,674	10%	12	103	490	179,982	179,982	0%
99146	Woodbrook	2	43	318	3,584	9,674	9%	2	65	427	179,982	179,982	0%
99140	Bray	4	180	143	1,024	2,764	14%	5	268	164	19,998	19,998	1%
99141	Greystones	143	143	143	190	340	75%	144	164	144	190	340	76%
		17,673	25,899					22,051	34,465				



Service Group1: NorthDART SB  
 Chart Title: PM Peak Hr - Northern Line SB

Service Group2: MayDART SB  
 Service Group3: Commuter Northern Line SB

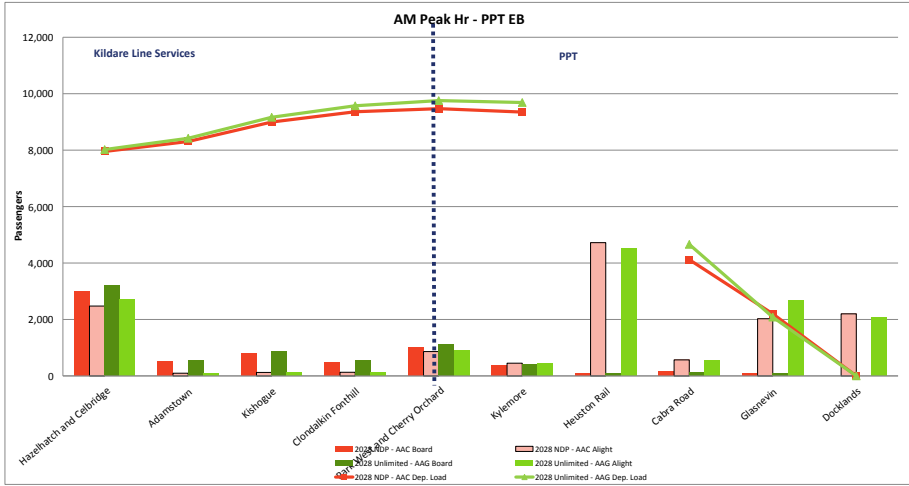
Node	Station	2028 NDP - AAC						2028 Unlimited - AAG					
		2028 NDP - AAC Board	2028 NDP - AAC Aboard	2028 NDP - AAC Dep. Load	2028 NDP - AAC Capacity	2028 NDP - AAC Crush Capacity	2028 NDP - AAC Loading Ratio	2028 Unlimited - AAG Board	2028 Unlimited - AAG Aboard	2028 Unlimited - AAG Dep. Load	2028 Unlimited - AAG Capacity	2028 Unlimited - AAG Crush Capacity	2028 Unlimited - AAG Loading Ratio
99120	Drogheda	412	127	589	2,500	6,337	24%	530	154	736	160,436	160,793	0%
99119	Laytown	70	15	644	2,500	6,337	26%	98	21	812	160,436	160,793	1%
99117	Gormanston	43	23	665	2,500	6,337	27%	49	17	844	160,436	160,793	1%
99116	Ballyriggan	166	50	781	2,500	6,337	31%	267	65	1,046	160,436	160,793	1%
99115	Skerries	114	43	882	2,500	6,337	34%	176	54	1,169	160,436	160,793	1%
99114	Rush and Lusk	68	26	895	2,500	6,337	36%	124	31	1,261	160,436	160,793	1%
99113	Donabate	162	58	998	2,500	6,337	40%	214	53	1,422	160,436	160,793	1%
99112	Malahide	185	122	1,061	4,036	10,483	26%	222	158	1,486	160,436	160,793	1%
99111	Portmarnock	68	40	1,089	4,036	10,483	27%	79	45	1,519	160,436	160,793	1%
99187	Clongriffin / Grange Road	168	15	1,242	5,572	14,629	22%	205	94	1,631	160,436	160,793	1%
99105	Howth Junction	224	194	1,321	5,572	14,629	24%	107	133	1,654	160,436	160,793	1%
99104	Kilbarrack	106	2	1,426	5,572	14,629	26%	176	37	1,792	160,436	160,793	1%
99103	Raheny	230	18	1,637	5,572	14,629	29%	268	91	1,969	160,436	160,793	1%
99102	Harmonstown	98	14	1,721	5,572	14,629	31%	131	51	2,050	160,436	160,793	1%
99101	Kililester	184	21	1,884	5,572	14,629	34%	229	89	2,190	160,436	160,793	1%
99109	Clontarf Road	110	20	1,973	5,572	14,629	35%	164	87	2,268	160,436	160,793	1%
99100	Connolly Rail	634	1,134	2,918	8,192	22,112	36%	654	1,400	3,690	319,968	319,968	1%
99124	Tara Street	1,328	816	3,430	8,192	22,112	42%	1,502	882	4,310	319,968	319,968	1%
99150	Pearse	627	301	3,757	8,192	22,112	46%	728	385	4,654	319,968	319,968	1%
99110	Grand Canal Dock	503	267	3,993	5,120	13,820	78%	565	348	4,871	179,982	179,982	3%
99125	Lansdowne Road	209	190	4,011	5,120	13,820	78%	240	274	4,838	179,982	179,982	3%
99188	Sandymount	132	98	4,045	5,120	13,820	79%	151	140	4,849	179,982	179,982	3%
99126	Sydney Parade	177	243	3,979	5,120	13,820	78%	207	333	4,723	179,982	179,982	3%
99127	Boooterstown	134	290	3,823	5,120	13,820	75%	149	364	4,508	179,982	179,982	3%
99128	Blackrock	212	332	3,704	5,120	13,820	72%	213	390	4,331	179,982	179,982	2%
99129	Seapoint	10	156	3,557	5,120	13,820	69%	11	187	4,156	179,982	179,982	2%
99130	Salthill and Monkstown	56	270	3,343	5,120	13,820	65%	63	330	3,889	179,982	179,982	2%
99131	Dun Laoghaire	160	441	3,062	3,584	9,674	85%	169	505	3,552	179,982	179,982	2%
99132	Sandycove	86	229	2,919	3,584	9,674	81%	85	269	3,368	179,982	179,982	2%
99133	Glenageary	37	291	2,664	3,584	9,674	74%	40	350	3,058	179,982	179,982	2%
99134	Dalkey	62	349	2,378	3,584	9,674	66%	64	395	2,726	179,982	179,982	2%
99135	Killiney	4	177	2,205	3,584	9,674	62%	4	215	2,516	179,982	179,982	1%
99136	Shankill	9	347	1,868	3,584	9,674	52%	11	424	2,103	179,982	179,982	1%
99146	Woodbrook	7	209	1,666	3,584	9,674	46%	8	260	1,851	179,982	179,982	1%
99140	Bray	7	829	843	1,024	2,764	82%	7	969	889	19,998	19,998	4%
99141	Greystones	279	843	279	190	340	147%	289	889	289	190	340	152%
		7,081	8,600					8,198	10,486				



Service Group1: PPT EB  
 Chart Title: AM Peak Hr - PPT EB

Service Group2: Commuter EB  
 Service Group3: PPT D EB  
 Commuter Northern Line NB

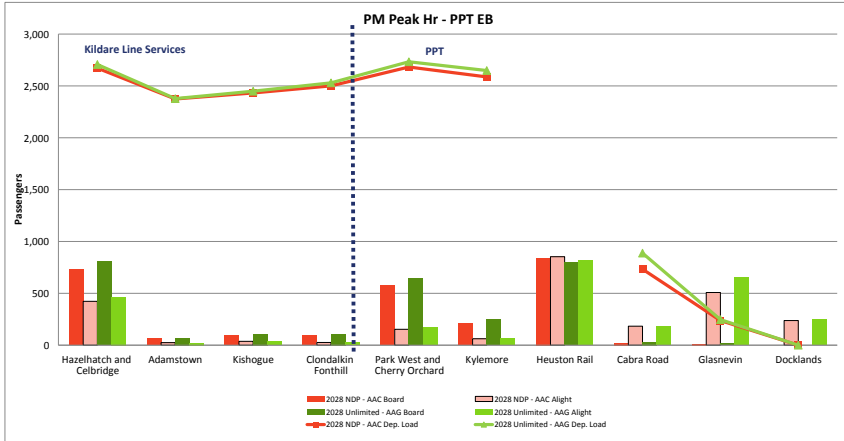
Node	Station	2028 NDP - AAC						2028 Unlimited - AAG					
		2028 NDP - AAC Board	2028 NDP - AAC Ailght	2028 NDP - AAC Dep. Load	2028 NDP - AAC Seated Capacity	2028 NDP - AAC Crush Capacity	2028 NDP - AAC Loading Ratio	2028 Unlimited - AAG Board	2028 Unlimited - AAG Ailght	2028 Unlimited - AAG Dep. Load	2028 Unlimited - AAG Seated Capacity	2028 Unlimited - AAG Crush Capacity	2028 Unlimited - AAG Loading Ratio
99078	Hazelhatch and Celbridge	2,977	2,475	7,954	11,042	26,282	72%	3,206	2,698	8,021	163,858	166,918	5%
99075	Adamstown	503	96	8,307	11,042	26,282	75%	550	89	8,421	163,858	166,918	5%
99400	Kishogue	813	123	8,996	11,042	26,282	81%	869	124	9,165	163,858	166,918	6%
99077	Clonsilla/Fonthill	493	129	9,360	11,042	26,282	85%	540	133	9,572	163,858	166,918	6%
99076	Park West and Cherry Orchard	1,015	863	9,470	11,042	26,282	86%	1,127	896	9,756	163,858	166,918	6%
99417	Kylemore	373	451	9,349	11,042	26,282	85%	425	446	9,688	163,858	166,918	6%
99001	Heuston Rail	90	4,722					87	4,511				
99411	Cabra Road	150	568	4,120	5,120	13,820	80%	137	567	4,661	119,988	119,988	4%
99404	Glasnevin	106	2,026	2,199	5,120	13,820	43%	98	2,677	2,083	119,988	119,988	2%
99084	Docklands	0	2,199	0	0	0	0%	0	2,083	0	0	0	0%
		6,521	13,651					7,038	14,224				



Service Group1: PPT EB  
 Chart Title: PM Peak Hr - PPT EB

Service Group2: Commuter EB Service Group3: PPT D EB  
 Commuter Northern Line NB

Node	Station	2028 NDP - AAC						2028 Unlimited - AAG					
		2028 NDP - AAC Board		2028 NDP - AAC Seated Capacity		2028 NDP - AAC Loading Ratio	2028 Unlimited - AAG Board		2028 Unlimited - AAG Seated Capacity		2028 Unlimited - AAG Loading Ratio		
		Board	AAC Alight	AAC Dep. Load	Capacity	Capacity	Ratio	Board	AAG Alight	AAG Dep. Load	Capacity	Capacity	Ratio
99078	Hazelhatch and Celbridge	732	423	2,671	11,042	26,282	24%	805	464	2,706	163,858	166,918	2%
99075	Adamstown	64	25	2,374	11,042	26,282	22%	70	23	2,378	163,858	166,918	1%
99400	Kishogue	95	37	2,432	11,042	26,282	22%	108	37	2,449	163,858	166,918	1%
99077	Clondalkin Fonthill	94	26	2,500	11,042	26,282	23%	107	27	2,530	163,858	166,918	2%
99076	Park West and Cherry Orchard	578	153	2,682	11,042	26,282	24%	642	168	2,733	163,858	166,918	2%
99417	Kylemore	210	62	2,587	11,042	26,282	23%	249	63	2,648	163,858	166,918	2%
99001	Heuston Rail	840	853					795	819				
99411	Cabra Road	23	183	733	5,120	13,820	14%	32	179	888	119,988	119,988	1%
99404	Glasnevin	12	508	237	5,120	13,820	5%	14	654	247	119,988	119,988	0%
99084	Docklands	0	237	0	0	0	0%	0	247	0	0	0	0%
		2,649	2,508					2,824	2,680				

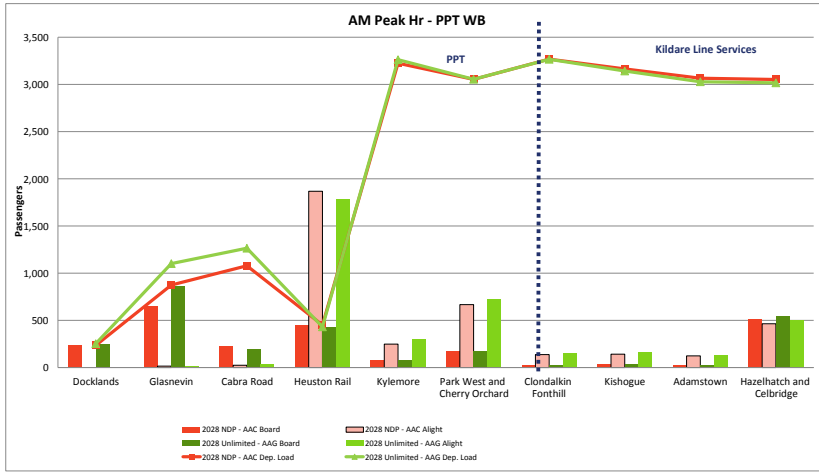




Service Group1: PPT WB  
 Chart Title: AM Peak Hr - PPT WB

Service Group2: Commuter WB  
 Service Group3: PPT D WB  
 Commuter Northern Line SB

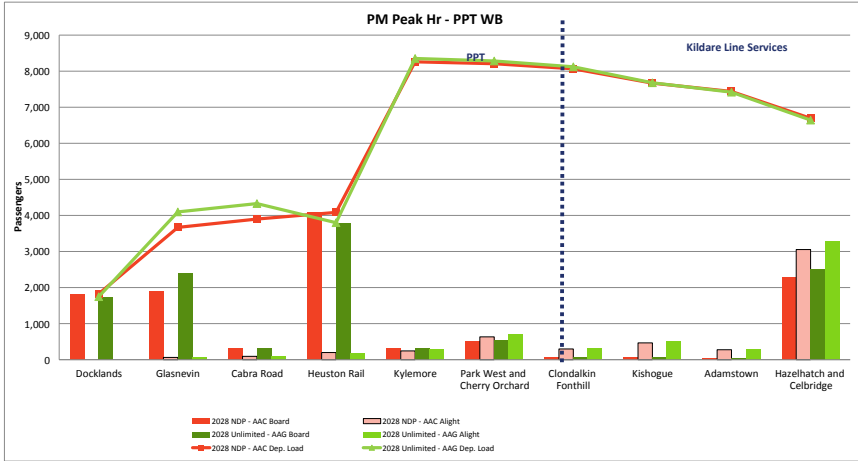
Node	Station	2028 NDP - AAC						2028 Unlimited - AAG					
		2028 NDP - AAC Board	2028 NDP - AAC Alight	2028 NDP - AAC Dep. Load	2028 NDP - AAC Seated Capacity	2028 NDP - AAC Crush Capacity	2028 NDP - AAC Loading Ratio	2028 Unlimited - AAG Board	2028 Unlimited - AAG Alight	2028 Unlimited - AAG Dep. Load	2028 Unlimited - AAG Seated Capacity	2028 Unlimited - AAG Crush Capacity	2028 Unlimited - AAG Loading Ratio
99084	Docklands	235	0	235	5,120	13,820	5%	253	0	253	119,988	119,988	0%
99404	Glasnevin	655	15	874	5,120	13,820	17%	863	15	1,101	119,988	119,988	1%
99411	Cabra Road	228	24	1,078	5,120	13,820	21%	200	37	1,265	119,988	119,988	1%
99601	Heuston Rail	451	1,868	451	5,922	12,462	8%	431	1,790	431	43,870	46,930	1%
99417	Kylemore	76	248	3,225	11,802	27,542	27%	79	303	3,262	164,618	168,178	2%
99076	Park West and Cherry Orchard	170	667	3,053	11,802	27,542	26%	178	728	3,055	164,618	168,178	2%
99077	Clondalkin Fonthill	26	137	3,268	11,802	27,542	28%	28	158	3,266	164,618	168,178	2%
99400	Kishogue	38	142	3,164	11,802	27,542	27%	38	163	3,142	164,618	168,178	2%
99075	Adamstown	25	124	3,066	11,802	27,542	26%	23	137	3,028	164,618	168,178	2%
99078	Hazelhatch and Celbridge	517	464	3,052	4,444	7,854	69%	550	507	3,017	4,444	7,854	68%
		2,421	3,689					2,644	3,837				



Service Group1: PPT WB  
 Chart Title: PM Peak Hr - PPT WB

Service Group2: Commuter WB  
 Service Group3: PPT D WB  
 Commuter Northern Line SB

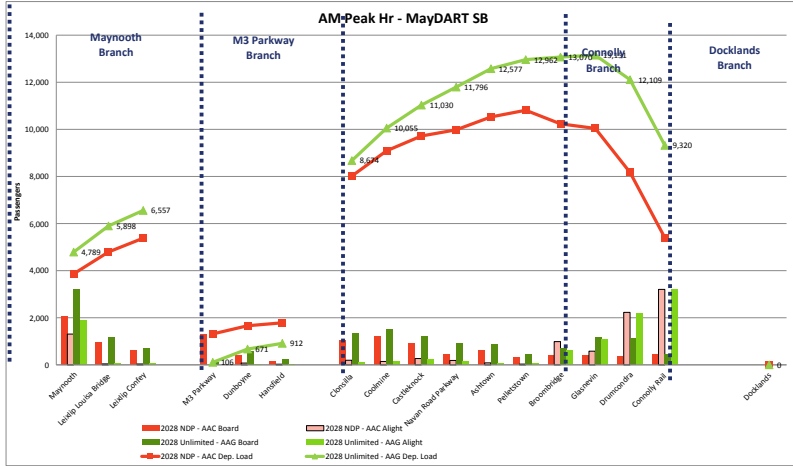
Node	Station	2028 NDP - AAC						2028 Unlimited - AAG					
		2028 NDP - AAC Board	2028 NDP - AAC AAlight	2028 NDP - AAC Dep. Load	2028 NDP - AAC Seated Capacity	2028 NDP - AAC Crush Capacity	2028 NDP - AAC Loading Ratio	2028 Unlimited - AAG Board	2028 Unlimited - AAG AAlight	2028 Unlimited - AAG Dep. Load	2028 Unlimited - AAG Seated Capacity	2028 Unlimited - AAG Crush Capacity	2028 Unlimited - AAG Loading Ratio
99084	Docklands	1,826	0	1,826	5,120	13,820	36%	1,747	0	1,747	119,988	119,988	1%
99404	Glasnevin	1,904	62	3,668	5,120	13,820	72%	2,408	57	4,097	119,988	119,988	3%
99411	Cabra Road	324	92	3,899	5,120	13,820	76%	323	92	4,328	119,988	119,988	4%
99401	Heuston Rail	4,084	198	4,084	5,322	12,462	69%	3,798	190	3,798	43,870	46,930	9%
99417	Kylemore	322	243	8,260	11,802	27,542	70%	315	279	8,352	164,618	168,178	5%
99076	Park West and Cherry Orchard	501	633	8,207	11,802	27,542	70%	535	695	8,283	164,618	168,178	5%
99077	Clondalkin Fonthill	76	297	8,066	11,802	27,542	68%	77	329	8,121	164,618	168,178	5%
99400	Kishogue	68	466	7,688	11,802	27,542	65%	66	509	7,679	164,618	168,178	5%
99075	Adamstown	45	276	7,437	11,802	27,542	63%	37	298	7,417	164,618	168,178	5%
99078	Hazelhatch and Celbridge	2,301	3,054	6,694	4,444	7,854	151%	2,511	3,297	6,643	4,444	7,854	149%
		11,450	5,320					11,818	5,746				



Service Group1: MayDART SB  
 Chart Title: AM Peak Hr - MayDART SB

Service Group2: Commuter SB  
 Service Group3: MayDART D SB

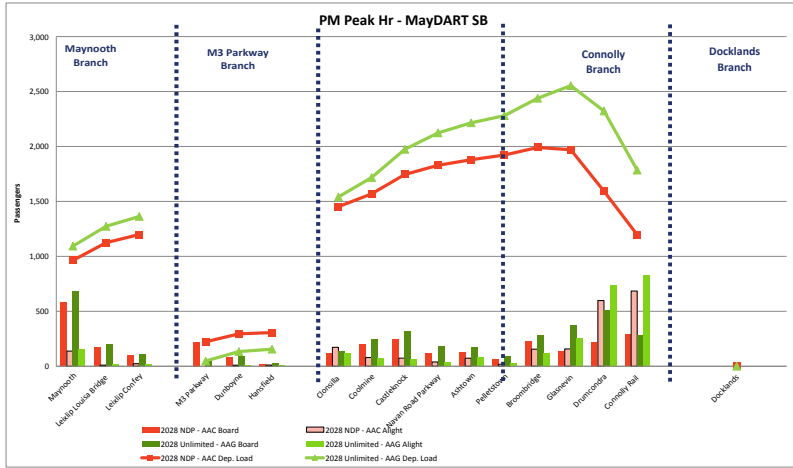
Node	Station	2028 NDP - AAC						2028 Unlimited - AAG					
		2028 NDP - AAC Board		2028 NDP - AAC Seated Capacity		2028 NDP - AAC Loading Ratio		2028 Unlimited - AAG Board		2028 Unlimited - AAG Seated Capacity		2028 Unlimited - AAG Loading Ratio	
		Board	AAC Alight	AAC Dep. Load	AAC Seated Capacity	AAC Crush Capacity	AAC Loading Ratio	Board	AAC Alight	AAC Dep. Load	AAC Seated Capacity	AAC Crush Capacity	AAC Loading Ratio
99091	Maynooth	2,064	1,307	3,865	4,860	12,596	80%	3,190	1,906	4,789	161,032	161,752	3%
99092	Leixlip Louisa Bridge	969	41	4,793	4,860	12,596	99%	1,186	77	5,898	161,032	161,752	4%
99093	Leixlip Conley	624	37	5,379	4,860	12,596	111%	701	43	6,557	161,032	161,752	4%
99086	M3 Parkway	1,313	0	1,313	950	1,700	138%	106	0	106	950	1,700	11%
99085	Dunboyne	423	76	1,660	950	1,700	175%	572	8	671	950	1,700	71%
99087	Hansfield	137	12	1,785	950	1,700	188%	244	2	912	950	1,700	96%
99094	Clonsilla	1,050	195	8,018	5,810	14,296	138%	1,324	119	8,674	161,982	163,452	5%
99095	Coolmine	1,217	144	9,091	5,810	14,296	156%	1,528	147	10,055	161,982	163,452	6%
99096	Castleknock	896	268	9,719	5,810	14,296	167%	1,197	221	11,030	161,982	163,452	7%
99089	Navan Road Parkway	449	187	9,981	5,810	14,296	172%	910	144	11,796	161,982	163,452	7%
99097	Ashtown	631	84	10,528	5,810	14,296	181%	862	81	12,577	161,982	163,452	8%
99415	Pelletstown	316	32	10,811	5,810	14,296	186%	437	52	12,962	161,982	163,452	8%
99098	Broombridge	409	987	10,234	5,810	14,296	176%	718	609	13,070	161,982	163,452	8%
99404	Glasnevin	387	581	10,040	5,810	14,296	173%	1,152	1,071	13,151	161,982	163,452	8%
99099	Drumcondra	358	2,229	8,170	5,810	14,296	141%	1,128	2,170	12,109	161,982	163,452	7%
99100	Connolly Rail	433	3,204	5,399	3,072	8,292	176%	425	3,214	9,320	159,984	159,984	6%
99084	Docklands	0	0	0	0	0	0%	0	0	0	0	0	0%
		11,075	9,384					15,680	9,865				



Service Group1: MayDART SB  
 Chart Title: PM Peak Hr - MayDART SB

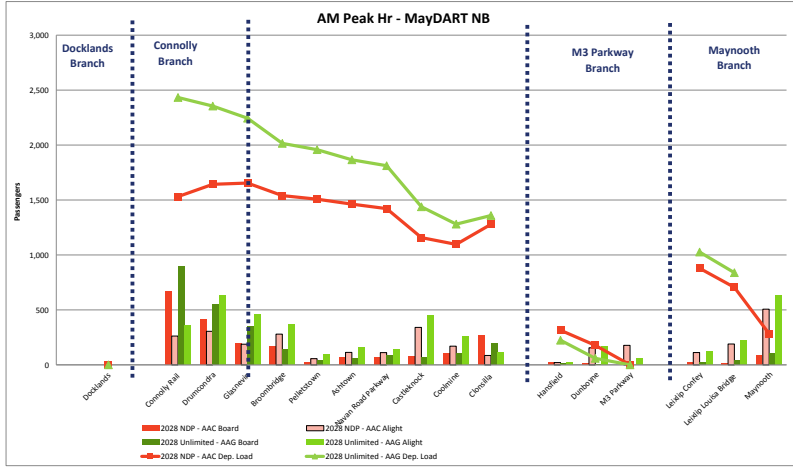
Service Group2: Commuter SB  
 Service Group3: MayDART D SB

Node	Station	2028 NDP - AAC						2028 Unlimited - AAG					
		2028 NDP - AAC Board	2028 NDP - AAC Aight	2028 NDP - AAC Dep. Load	2028 NDP - AAC Seated Capacity	2028 NDP - AAC Crush Capacity	2028 NDP - AAC Loading Ratio	2028 Unlimited - AAG Board	2028 Unlimited - AAG Aight	2028 Unlimited - AAG Dep. Load	2028 Unlimited - AAG Seated Capacity	2028 Unlimited - AAG Crush Capacity	2028 Unlimited - AAG Loading Ratio
99091	Maynooth	579	138	963	4,860	12,596	20%	684	151	1,093	161,032	161,752	1%
99092	Leixlip Louisa Bridge	172	10	1,124	4,860	12,596	23%	198	17	1,273	161,032	161,752	1%
99093	Leixlip Conley	98	23	1,199	4,860	12,596	25%	106	17	1,363	161,032	161,752	1%
99086	M3 Parkway	223	0	223	950	1,700	23%	48	0	48	950	1,700	5%
99085	Dunboyne	82	0	295	950	1,700	31%	88	2	134	950	1,700	14%
99087	Hansfield	23	11	306	950	1,700	32%	28	6	155	950	1,700	16%
99094	Clonsilla	119	172	1,452	5,810	14,296	25%	138	116	1,541	161,982	163,452	1%
99095	Coolmine	196	80	1,569	5,810	14,296	27%	248	72	1,717	161,982	163,452	1%
99096	Castleknock	250	74	1,745	5,810	14,296	30%	317	60	1,974	161,982	163,452	1%
99089	Navan Road Parkway	123	39	1,829	5,810	14,296	31%	181	32	2,123	161,982	163,452	1%
99097	Ashtown	124	73	1,879	5,810	14,296	32%	170	78	2,215	161,982	163,452	1%
99415	Pelletstown	61	18	1,922	5,810	14,296	33%	91	36	2,280	161,982	163,452	1%
99098	Broombridge	224	156	1,991	5,810	14,296	34%	279	120	2,439	161,982	163,452	2%
99404	Glasnevin	137	158	1,970	5,810	14,296	34%	372	257	2,554	161,982	163,452	2%
99099	Drumcondra	221	598	1,593	5,810	14,296	27%	510	740	2,323	161,982	163,452	1%
99100	Connolly Rail	286	685	1,157	3,072	8,292	39%	286	824	1,785	159,984	159,984	1%
99084	Docklands	0	0	0	0	0	0%	0	0	0	0	0	0%
		2,919	2,244					3,744	2,519				



Service Group1: MayDART NB  
 AM Peak Hr - MayDART NB  
 Service Group2: Commuter NB  
 Service Group3: MayDART D NB

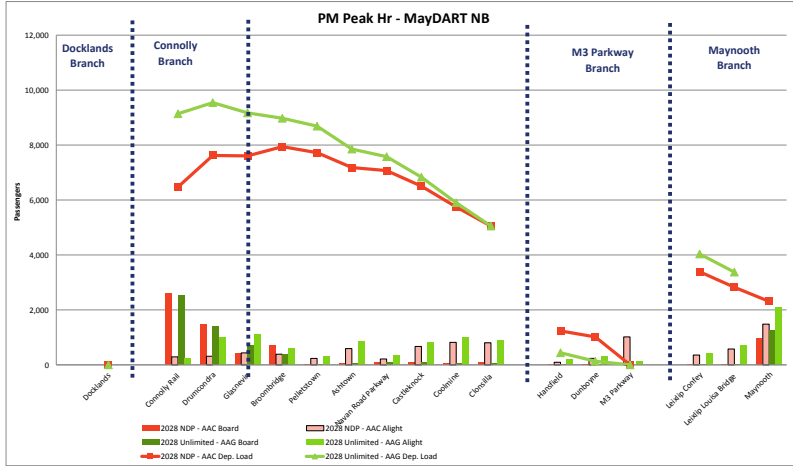
Node	Station	2028 NDP - AAC						2028 Unlimited - AAG					
		2028 NDP - AAC Board	2028 NDP - AAC Alight	2028 NDP - AAC Dep. Load	2028 NDP - AAC Seated Capacity	2028 NDP - AAC Crush Capacity	2028 NDP - AAC Loading Ratio	2028 Unlimited - AAG Board	2028 Unlimited - AAG Alight	2028 Unlimited - AAG Dep. Load	2028 Unlimited - AAG Seated Capacity	2028 Unlimited - AAG Crush Capacity	2028 Unlimited - AAG Loading Ratio
99084	Docklands	0	0	0	0	0	0%	0	0	0	0	0	0%
99100	Connolly Rail	673	262	1,531	5,666	14,146	27%	900	355	2,433	161,838	163,302	2%
99099	Drumcondra	417	305	1,643	5,666	14,146	29%	552	630	2,355	161,838	163,302	1%
99404	Glasnevin	199	188	1,654	5,666	14,146	29%	351	461	2,244	161,838	163,302	1%
99098	Broombridge	165	280	1,540	5,666	14,146	27%	139	368	2,015	161,838	163,302	1%
99415	Pelletstown	24	56	1,507	5,666	14,146	27%	37	94	1,958	161,838	163,302	1%
99097	Athtown	68	113	1,463	5,666	14,146	26%	63	155	1,866	161,838	163,302	1%
99089	Navan Road Parkway	70	111	1,422	5,666	14,146	25%	85	139	1,812	161,838	163,302	1%
99096	Castleknock	77	341	1,158	5,666	14,146	20%	72	446	1,438	161,838	163,302	1%
99095	Coolmine	108	170	1,096	5,666	14,146	19%	103	261	1,280	161,838	163,302	1%
99094	Cionnilla	268	85	1,279	5,666	14,146	23%	191	113	1,359	161,838	163,302	1%
99087	Hansfield	23	21	315	950	1,700	33%	16	27	224	950	1,700	24%
99085	Dunboyne	18	155	178	950	1,700	19%	3	168	59	950	1,700	6%
99086	M3 Parkway	0	177	0	0	0	0%	0	59	0	0	0	0%
99093	Leixlip Conley	24	112	879	4,716	12,446	19%	23	120	1,026	160,888	161,602	1%
99092	Leixlip Louisa Bridge	16	190	705	4,716	12,446	15%	37	224	839	160,888	161,602	1%
99091	Maynooth	85	507	283	904	1,618	31%	101	634	306	904	1,618	34%
		2,236	3,073					2,672	4,254				



Service Group1: MayDART NB  
 Chart Title: PM Peak Hr - MayDART NB

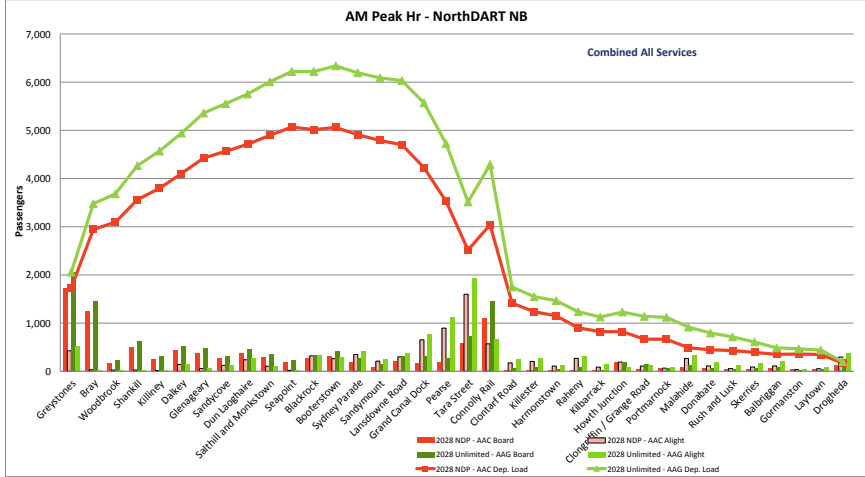
Service Group2: Commuter NB  
 Service Group3: MayDART D NB

Node	Station	2028 NDP - AAC						2028 Unlimited - AAG					
		2028 NDP - AAC Board	2028 NDP - AAC Alight	2028 NDP - AAC Dep. Load	2028 NDP - AAC Seated Capacity	2028 NDP - AAC Crush Capacity	2028 NDP - AAC Loading Ratio	2028 Unlimited - AAG Board	2028 Unlimited - AAG Alight	2028 Unlimited - AAG Dep. Load	2028 Unlimited - AAG Seated Capacity	2028 Unlimited - AAG Crush Capacity	2028 Unlimited - AAG Loading Ratio
99084	Docklands	0	0	0	0	0	0%	0	0	0	0	0	0%
99100	Connolly Rail	2,588	291	6,474	5,666	14,146	114%	2,538	250	9,140	161,838	163,302	6%
99099	Drumcondra	1,460	313	7,621	5,666	14,146	135%	1,397	993	9,544	161,838	163,302	6%
99404	Glasnevin	420	435	7,605	5,666	14,146	134%	725	1,098	9,171	161,838	163,302	6%
99098	Broombridge	724	388	7,941	5,666	14,146	140%	393	588	8,976	161,838	163,302	6%
99415	Pelletstown	16	234	7,723	5,666	14,146	136%	29	317	8,888	161,838	163,302	5%
99097	Athtown	49	591	7,181	5,666	14,146	127%	38	872	7,854	161,838	163,302	5%
99089	Navan Road Parkway	102	213	7,070	5,666	14,146	125%	77	354	7,577	161,838	163,302	5%
99096	Castleknock	103	670	6,504	5,666	14,146	115%	86	831	6,831	161,838	163,302	4%
99095	Coolmine	62	819	5,747	5,666	14,146	101%	54	985	5,901	161,838	163,302	4%
99094	Cobsville	105	802	5,050	5,666	14,146	89%	58	907	5,051	161,838	163,302	3%
99087	Hansfield	6	94	1,234	950	1,700	130%	1	186	439	950	1,700	46%
99085	Dunboyne	19	236	1,018	950	1,700	107%	4	312	131	950	1,700	14%
99086	M3 Parkway	0	1,018	0	0	0	0%	0	131	0	0	0	0%
99093	Leixlip Conley	18	357	3,390	4,716	12,446	72%	18	410	4,035	160,888	161,602	3%
99092	Leixlip Louisa Bridge	11	577	2,824	4,716	12,446	60%	33	693	3,376	160,888	161,602	2%
99091	Maynooth	966	1,482	2,308	904	1,618	255%	1,272	2,093	2,555	904	1,618	283%
		6,651	8,520					6,724	11,020				



Service Group: NorthDART NB  
 Chart Title: AM Peak Hr - NorthDART NB

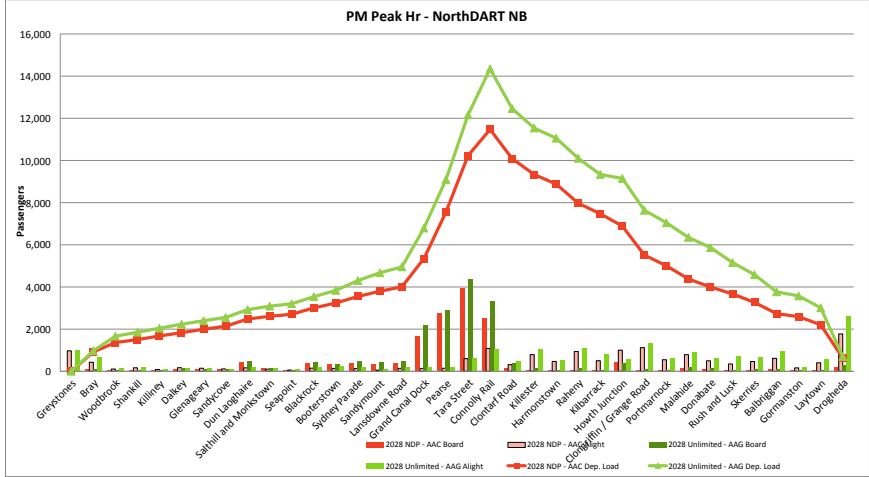
Node	Station	2028 NDP - AAC						2028 Unlimited - AAG					
		2028 NDP - AAC Board		2028 NDP - AAC A/Crunch		2028 NDP - AAC Seated Capacity		2028 Unlimited - AAG Board		2028 Unlimited - AAG A/Crunch		2028 Unlimited - AAG Seated Capacity	
		Board	A/Crunch	A/Crunch	Seated Capacity	Seated Capacity	Ratio	Board	A/Crunch	A/Crunch	Seated Capacity	Seated Capacity	Ratio
99141	Greystones	1,735	426	1,735	1,024	2,764	169%	2,057	518	2,057	19,982	19,982	10%
99140	Bray	1,239	31	2,943	3,584	9,674	82%	1,451	30	3,478	179,982	179,982	2%
99146	Woodbrook	176	25	3,094	3,584	9,674	86%	227	25	3,681	179,982	179,982	2%
99136	Shankill	494	27	3,561	3,584	9,674	99%	616	29	4,268	179,982	179,982	2%
99135	Kilmeay	251	14	3,798	3,584	9,674	106%	317	15	4,569	179,982	179,982	3%
99134	Dalkey	448	142	4,103	3,584	9,674	114%	520	147	4,942	179,982	179,982	3%
99133	Glenageary	379	57	4,425	3,584	9,674	123%	476	60	5,358	179,982	179,982	3%
99132	Sandycove	263	124	4,564	3,584	9,674	127%	319	124	5,553	179,982	179,982	3%
99131	Dun Laoghaire	386	240	4,711	5,120	13,820	92%	465	264	5,754	179,982	179,982	3%
99130	Salthill and Monkstown	290	105	4,895	5,120	13,820	96%	364	112	6,006	179,982	179,982	3%
99129	Seapoint	194	21	5,068	5,120	13,820	99%	238	24	6,221	179,982	179,982	3%
99128	Blackrock	269	321	5,016	5,120	13,820	98%	332	333	6,220	179,982	179,982	3%
99127	Boooterstown	308	264	5,060	5,120	13,820	99%	411	294	6,337	179,982	179,982	4%
99126	Sydney Parade	197	349	4,909	5,120	13,820	96%	281	425	6,193	179,982	179,982	3%
99188	Sandymount	93	212	4,790	5,120	13,820	94%	142	245	6,089	179,982	179,982	3%
99125	Lansdowne Road	213	301	4,702	5,120	13,820	92%	312	369	6,032	179,982	179,982	3%
99110	Grand Canal Dock	179	654	4,227	8,192	22,112	52%	310	772	5,570	319,968	319,968	2%
99150	Pearse	198	897	3,529	8,192	22,112	43%	273	1,116	4,727	319,968	319,968	1%
99124	Tara Street	588	1,600	2,517	8,192	22,112	31%	728	1,541	3,514	319,968	319,968	1%
99100	Connolly Rail	1,094	571	3,040	10,262	27,028	30%	1,453	675	4,292	321,298	322,348	1%
99109	Clontarf Road	24	176	1,413	5,500	14,500	26%	67	244	1,748	160,364	160,664	1%
99101	Killesher	30	206	1,238	5,500	14,500	23%	83	283	1,549	160,364	160,664	1%
99102	Harcross	22	110	1,150	5,500	14,500	21%	53	136	1,466	160,364	160,664	1%
99103	Raheny	21	269	902	5,500	14,500	16%	76	305	1,236	160,364	160,664	1%
99104	Kilbarrack	8	87	823	5,500	14,500	15%	31	140	1,127	160,364	160,664	1%
99105	Howth Junction	191	192	822	7,036	18,646	12%	196	93	1,229	161,500	164,810	1%
99187	Clongriffin / Grange Road	35	110	668	3,964	10,354	17%	152	137	1,140	160,364	160,664	1%
99111	Portmarnock	65	66	667	3,964	10,354	17%	66	85	1,121	160,364	160,664	1%
99112	Malahide	89	267	489	2,428	6,208	20%	130	334	917	160,364	160,664	1%
99113	Donabate	71	113	446	2,428	6,208	18%	70	190	796	160,364	160,664	0%
99114	Rush and Lusk	42	57	431	2,428	6,208	18%	50	132	714	160,364	160,664	0%
99115	Skerries	51	90	392	2,428	6,208	16%	65	171	608	160,364	160,664	0%
99116	Balbriggan	72	112	352	2,428	6,208	15%	88	211	486	160,364	160,664	0%
99117	Gormanston	41	35	359	2,428	6,208	15%	32	51	467	160,364	160,664	0%
99119	Laytown	45	55	349	2,428	6,208	14%	52	79	440	160,364	160,664	0%
99120	Drishda	119	298	170	1,120	3,322	15%	132	372	200	1,120	3,322	18%
		9,919	8,621					12,636	10,482				



Service Group1: NorthDART NB  
 Chart Title: PM Peak Hr - NorthDART NB

Service Group2: MayDART SB  
 Service Group3: Commuter Northern Line NB

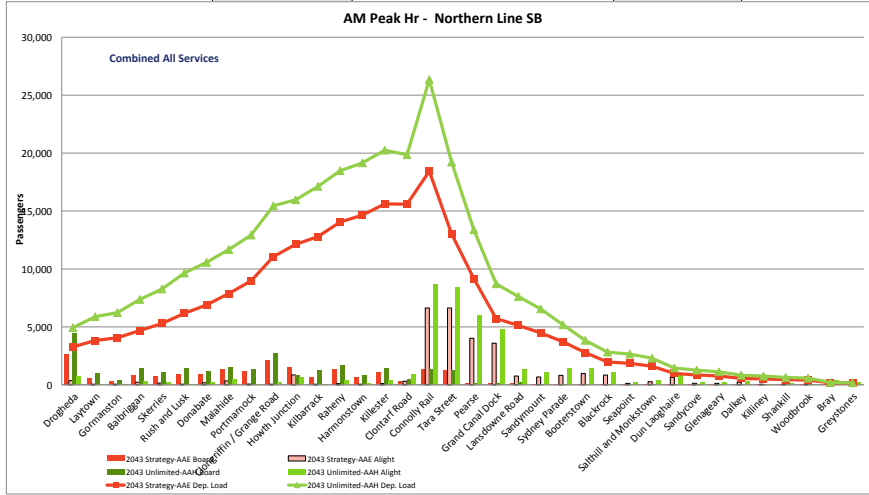
Node	Station	2028 NDP - AAC						2028 Unlimited - AAG					
		2028 NDP - AAC Board	2028 NDP - AAC AAlight	2028 NDP - AAC Dep. Load	2028 NDP - AAC Seated Capacity	2028 NDP - AAC Crush Capacity	2028 NDP - AAC Loading Ratio	2028 Unlimited - AAG Board	2028 Unlimited - AAG AAlight	2028 Unlimited - AAG Dep. Load	2028 Unlimited - AAG Seated Capacity	2028 Unlimited - AAG Crush Capacity	2028 Unlimited - AAG Loading Ratio
99141	Greystones	0	971	0	0	0	0%	0	1,017	0	0	0	0%
99140	Bray	83	430	919	2,560	6,910	36%	93	667	975	99,990	99,990	1%
99416	Woodbrook	29	109	1,364	3,584	9,674	38%	36	146	1,664	179,982	179,982	1%
99136	Shankill	48	167	1,503	3,584	9,674	42%	65	179	1,853	179,982	179,982	1%
99135	Kilmeay	22	85	1,678	3,584	9,674	47%	30	90	2,044	179,982	179,982	1%
99134	Dalkey	124	171	1,831	3,584	9,674	51%	160	163	2,231	179,982	179,982	1%
99133	Glensageary	82	147	1,994	3,584	9,674	56%	107	151	2,400	179,982	179,982	1%
99132	Sandycove	101	115	2,135	3,584	9,674	60%	120	114	2,553	179,982	179,982	1%
99131	Dun Laoghaire	419	165	2,480	5,120	13,820	48%	469	205	2,926	179,982	179,982	2%
99130	Salthill and Monkstown	129	103	2,609	5,120	13,820	51%	150	128	3,091	179,982	179,982	2%
99129	Seapoint	47	62	2,705	5,120	13,820	53%	50	87	3,203	179,982	179,982	2%
99128	Blackrock	405	150	3,007	5,120	13,820	59%	425	211	3,538	179,982	179,982	2%
99127	Boaterstown	327	138	3,238	5,120	13,820	63%	359	222	3,838	179,982	179,982	2%
99126	Sydney Parade	386	129	3,549	5,120	13,820	69%	499	192	4,304	179,982	179,982	2%
99188	Sandy Mount	325	58	3,798	5,120	13,820	74%	414	86	4,672	179,982	179,982	3%
99125	Lansdowne Road	389	140	4,007	5,120	13,820	78%	458	212	4,951	179,982	179,982	3%
99110	Grand Canal Dock	1,666	139	5,249	7,168	19,348	75%	2,167	180	6,792	259,974	259,974	3%
99150	Pearse	2,741	146	7,553	8,192	22,112	92%	2,922	187	8,095	319,968	319,968	3%
99124	Tara Street	3,950	600	10,227	8,192	22,112	125%	4,367	625	12,159	319,968	319,968	4%
99100	Connolly Rail	2,542	1,087	11,473	8,192	22,792	134%	3,308	1,068	14,348	320,648	320,648	4%
99109	Clontarf Road	129	315	10,090	5,900	14,500	183%	379	481	12,461	160,364	160,664	8%
99101	Killesher	34	790	9,333	5,900	14,500	170%	136	1,059	11,538	160,364	160,664	7%
99102	Harcross	17	470	8,881	5,900	14,500	161%	66	548	11,056	160,364	160,664	7%
99103	Raheny	31	940	7,972	5,900	14,500	145%	137	1,091	10,102	160,364	160,664	6%
99104	Kilbarrack	5	503	7,473	5,900	14,500	136%	43	809	9,337	160,364	160,664	6%
99105	Howth Junction	416	1,002	6,888	7,036	18,646	98%	375	584	9,147	161,500	164,810	6%
99187	Clongriffin / Grange Road	9	1,122	5,515	3,964	10,354	139%	88	1,318	7,637	160,364	160,664	5%
99111	Portmarnock	41	550	5,006	3,964	10,354	126%	27	619	7,045	160,364	160,664	4%
99112	Malahide	162	789	4,379	2,428	6,208	180%	196	890	6,352	160,364	160,664	4%
99113	Donabate	119	499	3,998	2,428	6,208	165%	137	621	5,867	160,364	160,664	4%
99114	Rush and Lusk	20	349	3,669	2,428	6,208	151%	25	734	5,158	160,364	160,664	3%
99115	Skerries	64	468	3,266	2,428	6,208	134%	84	662	4,581	160,364	160,664	3%
99116	Balbriggan	85	616	2,734	2,428	6,208	113%	119	932	3,767	160,364	160,664	2%
99117	Gormanston	23	164	2,592	2,428	6,208	107%	21	214	3,574	160,364	160,664	2%
99119	Laytown	19	405	2,206	2,428	6,208	91%	28	589	3,013	160,364	160,664	2%
99120	Draghda	198	1,774	630	1,120	3,322	56%	301	2,613	701	1,120	3,322	63%
		15,186	15,870					18,363	19,677				





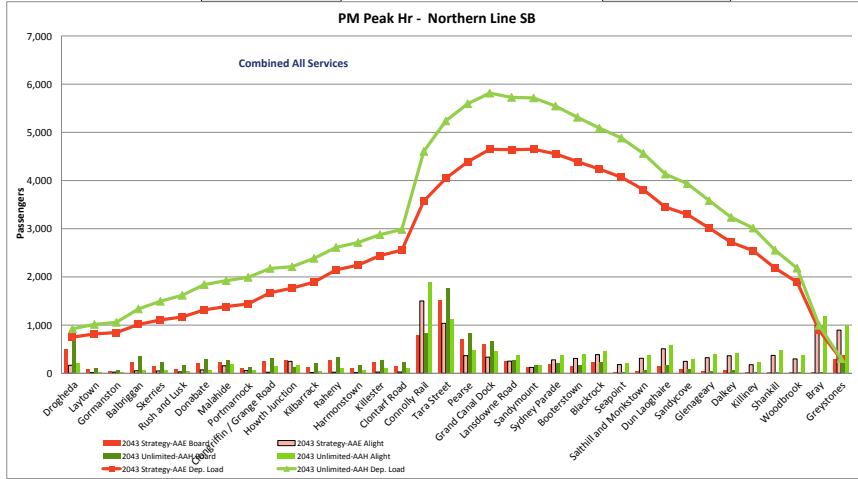
Service Group: NorthDART SB Service Group2: MayDART SB Service Group3: Commuter Northern Line SB  
 Chart Title: AM Peak Hr - Northern Line SB

Node	Station	2043 Strategy-AAE						2043 Unlimited-AAH					
		2043 Strategy-AAE Board	2043 Strategy-AAE Alight	2043 Strategy-AAE Dep. Load	2043 Strategy-AAE Seated Capacity	2043 Strategy-AAE Crush Capacity	2043 Strategy-AAE Loading Ratio	2043 Unlimited-AAH Board	2043 Unlimited-AAH Alight	2043 Unlimited-AAH Dep. Load	2043 Unlimited-AAH Seated Capacity	2043 Unlimited-AAH Crush Capacity	2043 Unlimited-AAH Loading Ratio
99120	Drogheda	2,627	359	3,270	2,500	6,337	131%	4,430	702	4,934	160,436	160,793	3%
99119	Laytown	604	49	3,825	2,500	6,337	153%	1,024	78	5,880	160,436	160,793	4%
99117	Gormanston	299	58	4,066	2,500	6,337	163%	415	64	6,231	160,436	160,793	4%
99116	Bilbriggan	841	225	4,882	2,500	6,337	187%	1,447	312	7,366	160,436	160,793	5%
99115	Skerris	765	151	5,296	2,500	6,337	212%	1,116	215	8,267	160,436	160,793	5%
99114	Rush and Lusk	917	51	6,162	2,500	6,337	246%	1,454	79	9,642	160,436	160,793	6%
99113	Donabate	911	176	6,897	2,500	6,337	276%	1,139	212	10,569	160,436	160,793	7%
99112	Malahide	1,326	342	7,881	4,036	10,483	195%	1,549	442	11,676	160,436	160,793	7%
99111	Portmanock	1,157	66	8,972	4,036	10,483	223%	1,328	82	12,923	160,436	160,793	8%
99187	Clongriffin / Grange Road	2,113	25	11,060	5,722	14,629	198%	2,724	195	15,452	160,436	160,793	10%
99105	Howth Junction	1,523	854	12,122	5,722	14,629	218%	808	638	15,966	160,436	160,793	10%
99104	Kilbarrack	674	5	12,791	5,722	14,629	230%	1,238	79	17,125	160,436	160,793	11%
99103	Raheny	1,364	103	14,052	5,722	14,629	252%	1,700	346	18,479	160,436	160,793	12%
99102	Harmonstown	638	41	14,649	5,722	14,629	263%	824	145	19,158	160,436	160,793	12%
99101	Killester	1,078	110	15,617	5,722	14,629	280%	1,444	354	20,249	160,436	160,793	13%
99109	Clontarf Road	284	310	15,591	5,722	14,629	280%	498	890	19,857	160,436	160,793	12%
99100	Connolly Rail	1,370	6,635	18,436	8,192	22,112	225%	1,372	8,634	26,347	319,968	319,968	8%
99124	Tara Street	1,236	6,635	13,037	8,192	22,112	159%	1,256	8,378	19,225	319,968	319,968	6%
99150	Pearse	147	4,000	9,164	8,192	22,112	112%	136	5,985	13,376	319,968	319,968	4%
99110	Grand Canal Dock	151	3,595	5,720	5,120	13,820	112%	137	4,795	8,718	179,982	179,982	5%
99125	Lansdowne Road	170	761	5,129	5,120	13,820	100%	200	1,297	7,621	179,982	179,982	4%
99188	Sandymount	28	678	4,479	5,120	13,820	87%	34	1,105	6,550	179,982	179,982	4%
99126	Sydney Parade	57	816	3,719	5,120	13,820	73%	69	1,434	5,185	179,982	179,982	3%
99127	Boooterstown	36	971	2,784	5,120	13,820	54%	50	1,397	3,838	179,982	179,982	2%
99128	Blackrock	30	846	1,969	5,120	13,820	38%	37	1,055	2,820	179,982	179,982	2%
99129	Seapoint	13	124	1,858	5,120	13,820	36%	16	181	2,856	179,982	179,982	1%
99130	Salthill and Monkstown	19	1,406	71	5,120	13,820	31%	23	382	2,296	179,982	179,982	1%
99131	Dun Laoghaire	22	648	980	3,584	9,674	27%	26	872	1,450	179,982	179,982	1%
99132	Sandy Cove	11	135	856	3,584	9,674	24%	13	192	1,271	179,982	179,982	1%
99133	Glenageary	36	127	765	3,584	9,674	21%	45	191	1,125	179,982	179,982	1%
99134	Dalkey	23	234	554	3,584	9,674	15%	27	323	828	179,982	179,982	0%
99135	Killiney	4	43	515	3,584	9,674	14%	6	77	758	179,982	179,982	0%
99136	Shankill	11	79	447	3,584	9,674	12%	15	132	641	179,982	179,982	0%
99146	Woodbrook	2	38	411	3,584	9,674	11%	2	63	580	179,982	179,982	0%
99140	Bray	6	245	172	1,024	2,764	17%	6	382	204	19,998	19,998	1%
99141	Greystones	171	172	171	190	340	90%	173	204	173	340	340	91%
		20,662	29,997					26,783	41,911				



Service Group: NorthDART SB Service Group2: MayDART SB Service Group3: Commuter Northern Line SB  
 Chart Title: PM Peak Hr - Northern Line SB

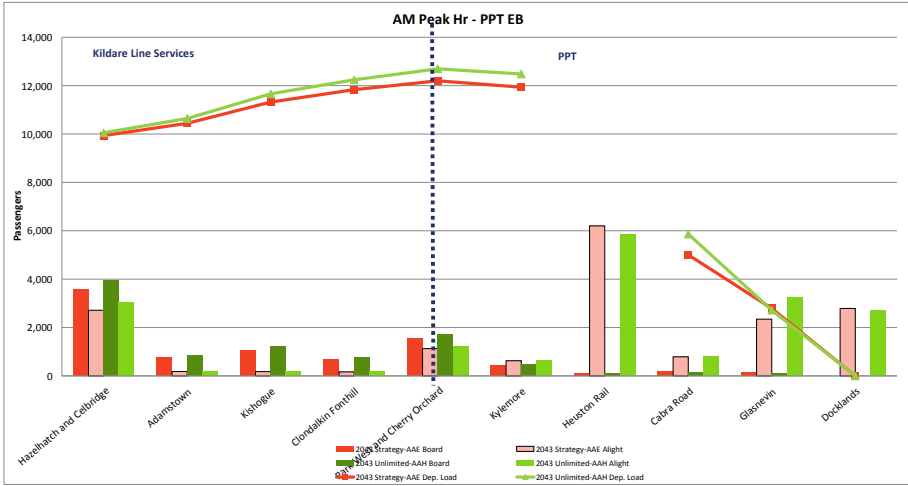
Node	Station	2043 Strategy-AAE						2043 Unlimited-AAH					
		2043 Strategy-AAE Board	2043 Strategy-AAE Alight	2043 Strategy-AAE Dep. Load	2043 Strategy-AAE Seated Capacity	2043 Strategy-AAE Crush Capacity	2043 Strategy-AAE Loading Ratio	2043 Unlimited-AAH Board	2043 Unlimited-AAH Alight	2043 Unlimited-AAH Dep. Load	2043 Unlimited-AAH Seated Capacity	2043 Unlimited-AAH Crush Capacity	2043 Unlimited-AAH Loading Ratio
99120	Drogheda	498	167	751	2,500	6,337	30%	658	203	924	160,436	160,793	1%
99119	Laytown	83	17	817	2,500	6,337	33%	115	24	1,015	160,436	160,793	1%
99117	Gormanston	54	26	845	2,500	6,337	34%	63	20	1,058	160,436	160,793	1%
99116	Ballyriggan	222	54	1,013	2,500	6,337	41%	350	72	1,336	160,436	160,793	1%
99115	Skerries	144	50	1,107	2,500	6,337	44%	221	63	1,494	160,436	160,793	1%
99114	Rush and Lusk	92	30	1,169	2,500	6,337	47%	163	38	1,619	160,436	160,793	1%
99113	Donabate	219	72	1,316	2,500	6,337	53%	287	65	1,841	160,436	160,793	1%
99112	Malahide	227	157	1,386	4,036	10,483	34%	279	197	1,923	160,436	160,793	1%
99111	Portmarnock	110	57	1,439	4,036	10,483	36%	130	61	1,992	160,436	160,793	1%
99187	Clongriffin / Grange Road	255	22	1,672	5,772	14,629	30%	323	138	2,177	160,436	160,793	1%
99105	Howth Junction	281	248	1,768	5,772	14,629	32%	136	165	2,212	160,436	160,793	1%
99104	Kilbarrack	126	3	1,891	5,772	14,629	34%	218	44	2,385	160,436	160,793	1%
99103	Raheny	278	24	2,146	5,772	14,629	39%	338	112	2,612	160,436	160,793	2%
99102	Harmonstown	116	18	2,244	5,772	14,629	40%	163	62	2,713	160,436	160,793	2%
99101	Kililester	225	27	2,442	5,772	14,629	44%	278	114	2,877	160,436	160,793	2%
99109	Clontarf Road	142	29	2,556	5,772	14,629	46%	225	117	2,985	160,436	160,793	2%
99100	Connolly Hall	792	1,502	3,573	8,192	22,112	44%	826	1,887	4,605	319,968	319,968	1%
99124	Tara Street	1,509	1,038	4,045	8,192	22,112	49%	1,758	1,126	5,237	319,968	319,968	2%
99150	Pearse	711	367	4,388	8,192	22,112	54%	837	481	5,594	319,968	319,968	2%
99110	Grand Canal Dock	595	336	4,648	5,120	13,820	91%	672	453	5,813	179,982	179,982	3%
99125	Lansdowne Road	246	253	4,640	5,120	13,820	91%	281	368	5,726	179,982	179,982	3%
99188	Sandymount	132	122	4,640	5,120	13,820	91%	160	172	5,714	179,982	179,982	3%
99126	Sydney Parade	183	279	4,554	5,120	13,820	89%	215	384	5,545	179,982	179,982	3%
99127	Boooterstown	145	307	4,391	5,120	13,820	86%	161	394	5,312	179,982	179,982	3%
99128	Blackrock	234	388	4,237	5,120	13,820	83%	233	457	5,088	179,982	179,982	3%
99129	Seapoint	11	181	4,067	5,120	13,820	79%	13	219	4,882	179,982	179,982	3%
99130	Salthill and Monkstown	54	312	3,810	5,120	13,820	74%	61	381	4,562	179,982	179,982	3%
99131	Dun Laoghaire	148	510	3,449	3,584	9,674	96%	160	588	4,134	179,982	179,982	2%
99132	Sandycove	95	248	3,296	3,584	9,674	92%	95	294	3,935	179,982	179,982	2%
99133	Glenageary	40	324	3,012	3,584	9,674	84%	44	396	3,583	179,982	179,982	2%
99134	Dalkey	69	364	2,717	3,584	9,674	76%	71	419	3,235	179,982	179,982	2%
99135	Kiliney	5	179	2,543	3,584	9,674	71%	6	228	3,013	179,982	179,982	2%
99136	Shankill	11	372	2,182	3,584	9,674	61%	13	473	2,554	179,982	179,982	1%
99146	Woodbrook	9	299	1,892	3,584	9,674	53%	10	383	2,181	179,982	179,982	1%
99140	Bray	6	1,002	896	1,024	2,764	87%	6	1,191	996	19,998	19,998	5%
99141	Greystones	289	896	289	190	340	152%	305	996	305	190	340	160%
		8,358	10,279					9,875	12,785				



Service Group1: PPT EB  
 Chart Title: AM Peak Hr - PPT EB

Service Group2: Commuter EB  
 Service Group3: PPT D EB  
 Commuter Northern Line NB

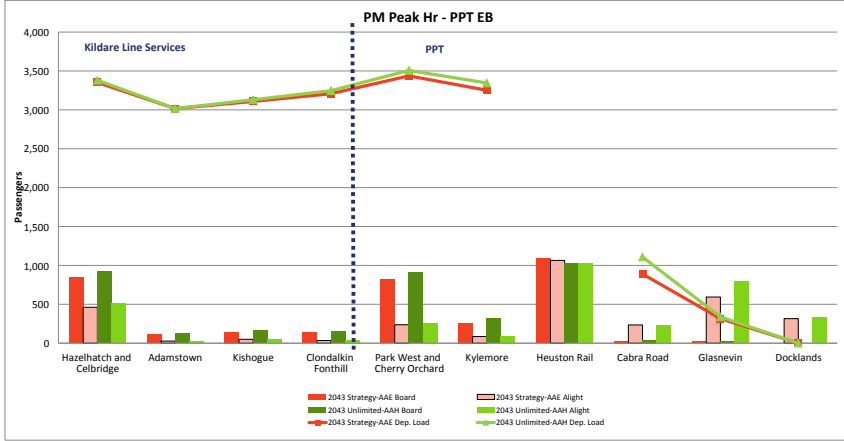
Node	Station	2043 Strategy-AE						2043 Unlimited-AAH					
		2043 Strategy-AE Board	2043 Strategy-AE Aflight	2043 Strategy-AE Dep. Load	2043 Strategy-AE Seated Capacity	2043 Strategy-AE Crush Capacity	2043 Strategy-AE Loading Ratio	2043 Unlimited-AAH Board	2043 Unlimited-AAH Aflight	2043 Unlimited-AAH Dep. Load	2043 Unlimited-AAH Seated Capacity	2043 Unlimited-AAH Crush Capacity	2043 Unlimited-AAH Loading Ratio
99078	Hazelhatch and Celbridge	3,577	2,715	9,935	11,042	26,282	90%	3,946	3,037	10,652	163,858	166,918	6%
99075	Adamstown	757	182	10,442	11,042	26,282	95%	855	189	10,641	163,858	166,918	6%
99400	Kishogue	1,057	178	11,321	11,042	26,282	103%	1,202	181	11,661	163,858	166,918	7%
99077	Clonsilla/Fonthill	678	166	11,833	11,042	26,282	107%	752	173	12,241	163,858	166,918	7%
99076	Park West and Cherry Orchard	1,552	1,129	12,200	11,042	26,282	110%	1,725	1,210	12,695	163,858	166,918	8%
99417	Kylemore	421	627	11,937	11,042	26,282	108%	484	636	12,481	163,858	166,918	8%
99001	Heuston Rail	113	6,202		5,120	13,820	98%	109	5,848				
99411	Cabra Road	172	789	5,005	5,120	13,820	98%	162	821	5,864	119,988	119,988	5%
99404	Glasnevin	130	2,247	2,789	5,120	13,820	54%	113	2,260	2,717	119,988	119,988	2%
99084	Docklands	0	2,789	0	0	0	0%	0	2,717	0	0	0	0%
		8,457	17,123					9,347	18,073				



Service Group1: PPT EB  
 Chart Title: PM Peak Hr - PPT EB

Service Group2: Commuter EB  
 Service Group3: PPT D EB  
 Commuter Northern Line NB

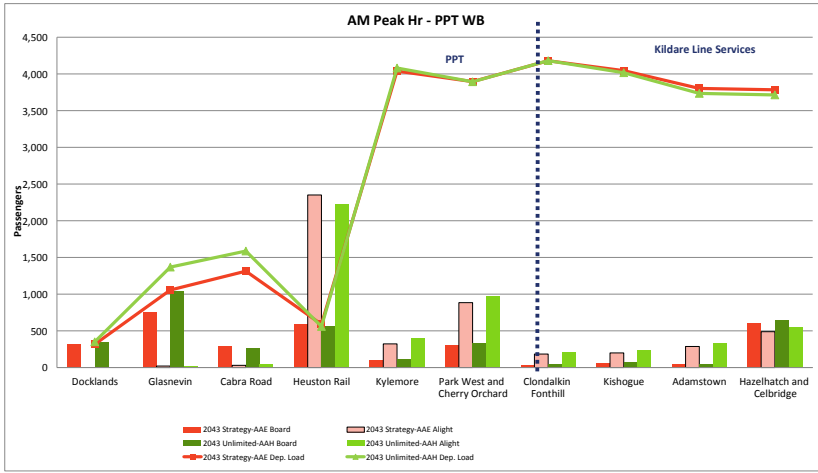
Node	Station	2043 Strategy-AE						2043 Unlimited-AAH					
		2043 Strategy-AE Board	2043 Strategy-AE Alight	2043 Strategy-AE Dep. Load	2043 Strategy-AE Seated Capacity	2043 Strategy-AE Crush Capacity	2043 Strategy-AE Loading Ratio	2043 Unlimited-AAH Board	2043 Unlimited-AAH Alight	2043 Unlimited-AAH Dep. Load	2043 Unlimited-AAH Seated Capacity	2043 Unlimited-AAH Crush Capacity	2043 Unlimited-AAH Loading Ratio
99078	Hazelhatch and Celbridge	847	462	3,352	11,042	26,282	30%	925	509	3,381	163,858	166,918	2%
99075	Adamstown	113	27	3,016	11,042	26,282	27%	126	26	3,017	163,858	166,918	2%
99400	Kishogue	142	50	3,108	11,042	26,282	28%	164	51	3,130	163,858	166,918	2%
99077	Clondalkin Fonthill	134	34	3,208	11,042	26,282	29%	152	35	3,247	163,858	166,918	2%
99076	Park West and Cherry Orchard	822	237	3,436	11,042	26,282	31%	907	257	3,507	163,858	166,918	2%
99417	Kylemore	258	86	3,252	11,042	26,282	29%	316	88	3,345	163,858	166,918	2%
99001	Heuston Rail	1,092	1,064					1,027	1,026				
99411	Cabra Road	29	235	890	5,120	13,820	17%	41	225	1,109	119,988	119,988	1%
99404	Glasnevin	19	594	315	5,120	13,820	6%	21	791	339	119,988	119,988	0%
99084	Docklands	0	315	0	0	0	0%	0	339	0	0	0	0%
		3,457	3,103					3,679	3,346				



Service Group1: PPT WB  
 Chart Title: AM Peak Hr - PPT WB

Service Group2: Commuter WB  
 Service Group3: PPT D WB  
 Commuter Northern Line SB

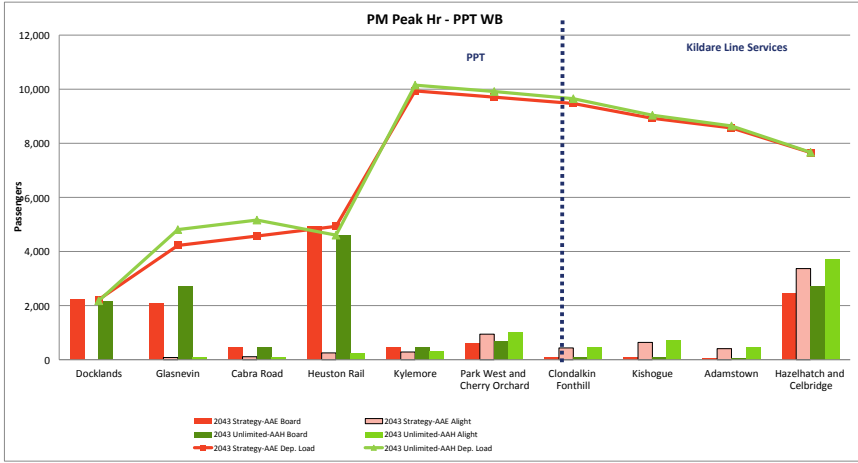
Node	Station	2043 Strategy-AAE						2043 Unlimited-AAH					
		2043 Strategy-AAE Board	2043 Strategy-AAE Alight	2043 Strategy-AAE Dep. Load	2043 Strategy-AAE Seated Capacity	2043 Strategy-AAE Crush Capacity	2043 Strategy-AAE Loading Ratio	2043 Unlimited-AAH Board	2043 Unlimited-AAH Alight	2043 Unlimited-AAH Dep. Load	2043 Unlimited-AAH Seated Capacity	2043 Unlimited-AAH Crush Capacity	2043 Unlimited-AAH Loading Ratio
99084	Docklands	317	0	317	5,120	13,820	6%	350	0	350	119,988	119,988	0%
99404	Glasnevin	760	21	1,056	5,120	13,820	21%	1,040	21	1,368	119,988	119,988	1%
99411	Cabra Road	287	30	1,313	5,120	13,820	26%	263	45	1,587	119,988	119,988	1%
99601	Heuston Rail	589	2,351	589	5,922	12,462	10%	558	2,224	559	43,870	46,930	1%
99417	Kylemore	108	323	4,039	11,802	27,542	34%	113	403	4,080	164,618	168,178	2%
99076	Park West and Cherry Orchard	313	884	3,895	11,802	27,542	33%	330	974	3,893	164,618	168,178	2%
99077	Clondalkin Fonthill	40	184	4,179	11,802	27,542	35%	43	212	4,181	164,618	168,178	3%
99400	Kishogue	65	199	4,045	11,802	27,542	34%	70	234	4,016	164,618	168,178	2%
99075	Adamstown	45	287	3,802	11,802	27,542	32%	47	329	3,735	164,618	168,178	2%
99078	Hazelhatch and Celbridge	612	488	3,784	4,444	7,854	85%	650	546	3,714	4,444	7,854	84%
		3,136	4,767					3,465	4,988				



Service Group1: PPT WB  
 Chart Title: PM Peak Hr - PPT WB

Service Group2: Commuter WB  
 Service Group3: PPT D WB  
 Commuter Northern Line SB

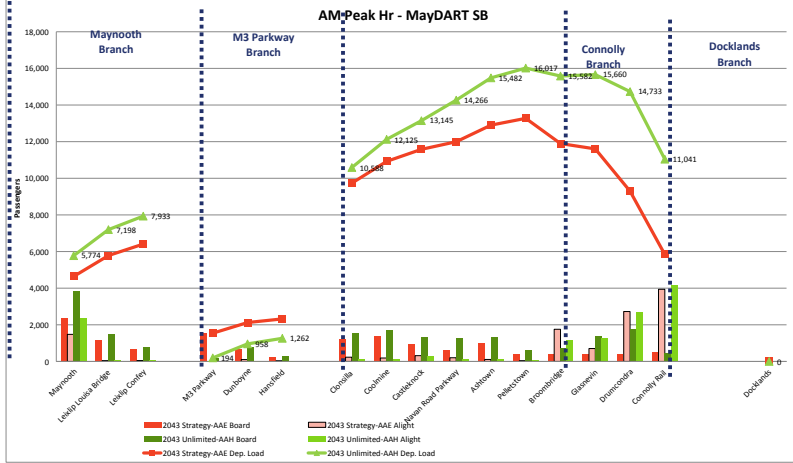
Node	Station	2043 Strategy-AAE						2043 Unlimited-AAH					
		2043 Strategy-AAE Board	2043 Strategy-AAE Alight	2043 Strategy-AAE Dep. Load	2043 Strategy-AAE Seated Capacity	2043 Strategy-AAE Crush Capacity	2043 Strategy-AAE Loading Ratio	2043 Unlimited-AAH Board	2043 Unlimited-AAH Alight	2043 Unlimited-AAH Dep. Load	2043 Unlimited-AAH Seated Capacity	2043 Unlimited-AAH Crush Capacity	2043 Unlimited-AAH Loading Ratio
99084	Docklands	2,223	0	2,223	5,120	13,820	43%	2,178	0	2,178	119,988	119,988	2%
99404	Glasnevin	2,080	80	4,223	5,120	13,820	82%	2,711	80	4,809	119,988	119,988	4%
99411	Cabra Road	457	109	4,571	5,120	13,820	89%	460	107	5,162	119,988	119,988	4%
99601	Heuston Rail	4,929	250	4,929	5,922	12,462	83%	4,604	241	4,604	43,870	46,930	10%
99417	Kylmore	470	284	9,937	11,802	27,542	84%	468	324	10,150	164,618	168,178	6%
99076	Park West and Cherry Orchard	609	943	9,707	11,802	27,542	82%	680	1,033	9,915	164,618	168,178	6%
99077	Clondalkin Fonthill	95	435	9,472	11,802	27,542	80%	95	478	9,649	164,618	168,178	6%
99400	Kishogue	91	638	8,925	11,802	27,542	76%	95	706	9,037	164,618	168,178	5%
99075	Adamstown	50	407	8,568	11,802	27,542	73%	51	447	8,642	164,618	168,178	5%
99078	Hazelhatch and Celbridge	2,447	3,368	7,656	4,444	7,854	172%	2,721	3,708	7,666	4,444	7,854	172%
		13,452	6,515					14,063	7,124				



Service Group1: MayDART SB  
 Chart Title: AM Peak Hr - MayDART SB

Service Group2: Commuter SB  
 Service Group3: MayDART D SB

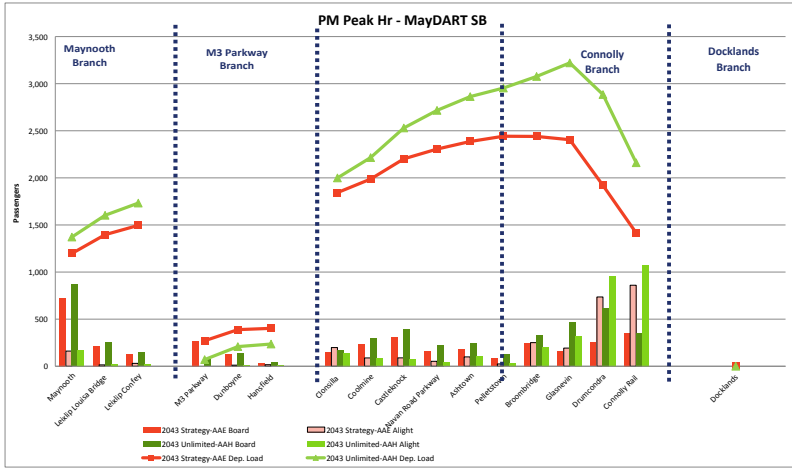
Node	Station	2043 Strategy-AAE						2043 Unlimited-AAH					
		2043 Strategy-AAE Board	2043 Strategy-AAE Alight	2043 Strategy-AAE Dep. Load	2043 Strategy-AAE Seated Capacity	2043 Strategy-AAE Crush Capacity	2043 Strategy-AAE Loading Ratio	2043 Unlimited-AAH Board	2043 Unlimited-AAH Alight	2043 Unlimited-AAH Dep. Load	2043 Unlimited-AAH Seated Capacity	2043 Unlimited-AAH Crush Capacity	2043 Unlimited-AAH Loading Ratio
99091	Maynooth	2,355	1,478	4,640	4,860	12,596	95%	3,848	2,344	5,774	161,032	161,752	4%
99092	Leixlip Louisa Bridge	1,183	42	5,782	4,860	12,596	119%	1,494	71	7,198	161,032	161,752	4%
99093	Leixlip Conley	672	47	6,407	4,860	12,596	132%	786	51	7,933	161,032	161,752	5%
99086	M3 Parkway	1,542	0	1,542	950	1,700	162%	194	0	194	950	1,700	20%
99085	Dunboyne	683	102	2,123	950	1,700	223%	784	19	958	950	1,700	101%
99087	Hansfield	212	13	2,322	950	1,700	244%	307	4	1,262	950	1,700	133%
99094	Clonsilla	1,239	232	9,736	5,810	14,296	168%	1,543	149	10,588	161,982	163,452	7%
99095	Coolmine	1,373	187	10,922	5,810	14,296	188%	1,692	155	12,125	161,982	163,452	7%
99096	Castleknock	974	316	11,581	5,810	14,296	199%	1,310	290	13,145	161,982	163,452	8%
99089	Navan Road Parkway	616	202	11,995	5,810	14,296	206%	1,277	156	14,266	161,982	163,452	9%
99097	Ashlown	1,015	108	12,901	5,810	14,296	222%	1,333	116	15,482	161,982	163,452	10%
99415	Pelletstown	412	40	13,273	5,810	14,296	228%	604	69	16,017	161,982	163,452	10%
99098	Broombridge	379	1,756	11,895	5,810	14,296	205%	708	1,142	15,582	161,982	163,452	10%
99404	Glasnevin	415	705	11,605	5,810	14,296	200%	1,363	1,285	15,660	161,982	163,452	10%
99099	Drumcondra	415	2,725	9,295	5,810	14,296	160%	1,744	2,671	14,733	161,982	163,452	9%
99100	Connolly Rail	485	3,940	5,840	3,072	8,292	190%	478	4,170	11,041	159,984	159,984	7%
99084	Docklands	0	0	0	0	0	0%	0	0	0	0	0	0%



Service Group1: MayDART SB  
 Chart Title: PM Peak Hr - MayDART SB

Service Group2: Commuter SB  
 Service Group3: MayDART D SB

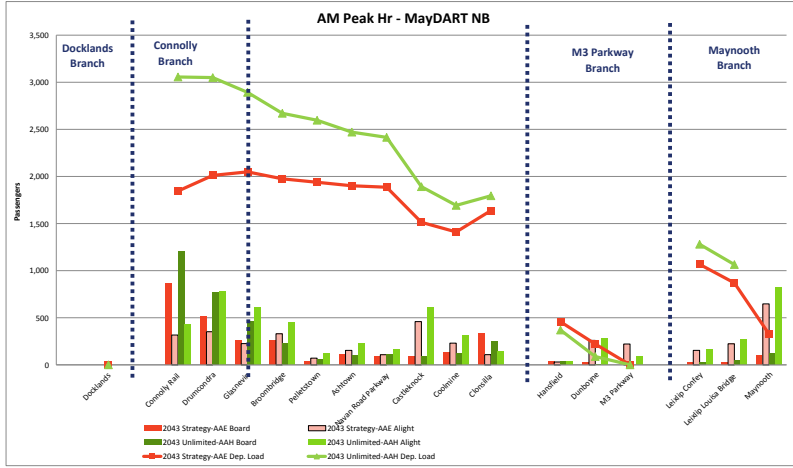
Node	Station	2043 Strategy-AAE						2043 Unlimited-AAH					
		2043 Strategy-AAE Board	2043 Strategy-AAE Alight	2043 Strategy-AAE Dep. Load	2043 Strategy-AAE Seated Capacity	2043 Strategy-AAE Crush Capacity	2043 Strategy-AAE Loading Ratio	2043 Unlimited-AAH Board	2043 Unlimited-AAH Alight	2043 Unlimited-AAH Dep. Load	2043 Unlimited-AAH Seated Capacity	2043 Unlimited-AAH Crush Capacity	2043 Unlimited-AAH Loading Ratio
99091	Maynooth	727	161	1,197	4,860	12,596	25%	868	173	1,372	161,032	161,752	1%
99092	Leixlip Louisa Bridge	214	15	1,397	4,860	12,596	29%	253	22	1,603	161,032	161,752	1%
99093	Leixlip Conley	129	31	1,495	4,860	12,596	31%	148	19	1,732	161,032	161,752	1%
99086	M3 Parkway	271	0	271	950	1,700	28%	71	0	71	950	1,700	7%
99085	Dunboyne	130	12	389	950	1,700	41%	141	3	209	950	1,700	22%
99087	Hansfield	30	16	402	950	1,700	42%	37	10	236	950	1,700	25%
99094	Clonsilla	144	198	1,844	5,810	14,296	32%	171	139	1,999	161,982	163,452	1%
99095	Coolmine	232	88	1,987	5,810	14,296	34%	297	81	2,215	161,982	163,452	1%
99096	Castleknock	304	89	2,202	5,810	14,296	38%	388	73	2,530	161,982	163,452	2%
99089	Navan Road Parkway	156	53	2,306	5,810	14,296	40%	226	40	2,716	161,982	163,452	2%
99097	Ashtown	180	99	2,386	5,810	14,296	41%	249	103	2,863	161,982	163,452	2%
99415	Pelletstown	80	25	2,442	5,810	14,296	42%	126	35	2,954	161,982	163,452	2%
99098	Broombridge	249	251	2,440	5,810	14,296	42%	329	206	3,077	161,982	163,452	2%
99404	Glasnevin	158	193	2,405	5,810	14,296	41%	466	322	3,221	161,982	163,452	2%
99099	Drumcondra	251	736	1,920	5,810	14,296	33%	619	956	2,884	161,982	163,452	2%
99100	Connolly Rail	356	860	1,415	3,072	8,292	46%	352	1,076	2,160	159,984	159,984	1%
99084	Docklands	0	0	0	0	0	0%	0	0	0	0	0	0%
		3,610 2,826						4,741 3,258					





Service Group1: MayDART NB  
 AM Peak Hr - MayDART NB  
 Service Group2: Commuter NB  
 Service Group3: MayDART D NB

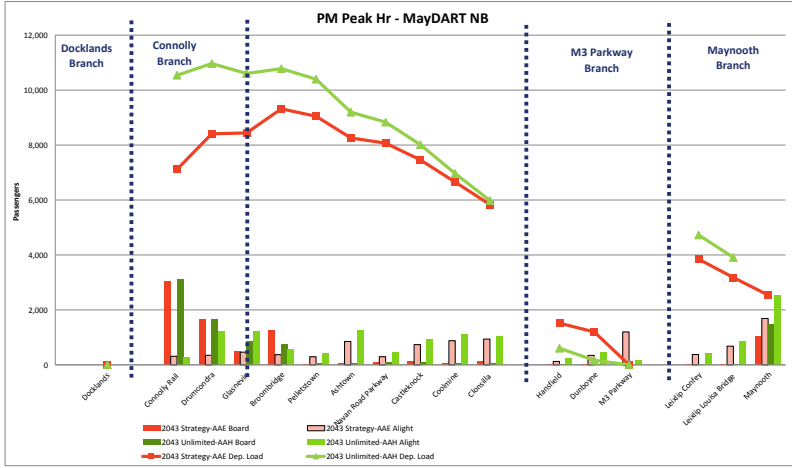
Node	Station	2043 Strategy-AAE						2043 Unlimited-AAH					
		2043 Strategy-AAE Board	2043 Strategy-AAE Alight	2043 Strategy-AAE Dep. Load	2043 Strategy-AAE Seated Capacity	2043 Strategy-AAE Crush Capacity	2043 Strategy-AAE Loading Ratio	2043 Unlimited-AAH Board	2043 Unlimited-AAH Alight	2043 Unlimited-AAH Dep. Load	2043 Unlimited-AAH Seated Capacity	2043 Unlimited-AAH Crush Capacity	2043 Unlimited-AAH Loading Ratio
99084	Docklands	0	0	0	0	0	0%	0	0	0	0	0	0%
99100	Connolly Rail	865	317	1,845	5,666	14,146	33%	1,205	432	3,056	161,838	163,302	2%
99099	Drumcondra	518	352	2,011	5,666	14,146	35%	771	778	3,050	161,838	163,302	2%
99404	Glasnevin	263	225	2,049	5,666	14,146	36%	458	615	2,893	161,838	163,302	2%
99098	Broombridge	256	330	1,975	5,666	14,146	35%	231	453	2,671	161,838	163,302	2%
99415	Pelletstown	34	71	1,938	5,666	14,146	34%	54	127	2,597	161,838	163,302	2%
99097	Athtown	116	154	1,901	5,666	14,146	34%	103	229	2,470	161,838	163,302	2%
99089	Navan Road Parkway	92	107	1,886	5,666	14,146	33%	114	169	2,415	161,838	163,302	1%
99096	Castleknock	86	459	1,513	5,666	14,146	27%	88	612	1,891	161,838	163,302	1%
99095	Coolmine	128	230	1,411	5,666	14,146	25%	120	318	1,693	161,838	163,302	1%
99094	Cionisilla	335	108	1,638	5,666	14,146	29%	247	145	1,795	161,838	163,302	1%
99087	Hansfield	42	30	457	950	1,700	48%	33	37	369	950	1,700	39%
99085	Dunboyne	24	260	221	950	1,700	23%	5	286	88	950	1,700	9%
99086	M3 Parkway	0	221	0	0	0	0%	0	88	0	0	0	0%
99093	Leixlip Conley	28	154	1,067	4,716	12,446	23%	27	168	1,280	160,888	161,602	1%
99092	Leixlip Louisa Bridge	26	223	870	4,716	12,446	18%	53	268	1,065	160,888	161,602	1%
99091	Maynooth	102	647	325	904	1,618	36%	120	823	362	904	1,618	40%
		2,917	3,889					3,627	5,548				



Service Group1: MayDART NB  
 Chart Title: PM Peak Hr - MayDART NB

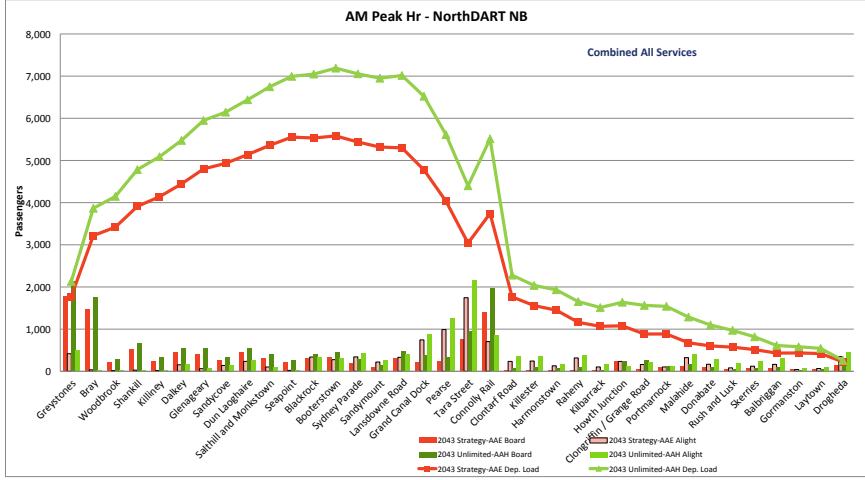
Service Group2: Commuter NB  
 Service Group3: MayDART D NB

Node	Station	2043 Strategy-AAE						2043 Unlimited-AAH					
		2043 Strategy-AAE Board	2043 Strategy-AAE Alight	2043 Strategy-AAE Dep. Load	2043 Strategy-AAE Seated Capacity	2043 Strategy-AAE Crush Capacity	2043 Strategy-AAE Loading Ratio	2043 Unlimited-AAH Board	2043 Unlimited-AAH Alight	2043 Unlimited-AAH Dep. Load	2043 Unlimited-AAH Seated Capacity	2043 Unlimited-AAH Crush Capacity	2043 Unlimited-AAH Loading Ratio
99084	Docklands	0	0	0	0	0	0%	0	0	0	0	0	0%
99100	Connolly Rail	3,032	312	7,114	5,666	14,146	136%	3,123	273	10,542	161,838	163,302	7%
99099	Drumcondra	1,644	349	8,409	5,666	14,146	148%	1,646	1,222	10,966	161,838	163,302	7%
99404	Glasnevin	492	461	8,440	5,666	14,146	149%	861	1,222	10,605	161,838	163,302	7%
99098	Broombridge	1,250	371	9,319	5,666	14,146	164%	758	582	10,781	161,838	163,302	7%
99415	Pelletstown	22	294	9,047	5,666	14,146	160%	40	423	10,398	161,838	163,302	6%
99097	Athtown	61	849	8,259	5,666	14,146	146%	55	1,256	9,196	161,838	163,302	6%
99089	Navan Road Parkway	105	295	8,069	5,666	14,146	142%	92	455	8,834	161,838	163,302	5%
99096	Castleknock	126	736	7,459	5,666	14,146	132%	102	924	8,012	161,838	163,302	5%
99095	Coolmine	70	877	6,651	5,666	14,146	117%	62	1,111	6,963	161,838	163,302	4%
99094	Cionnilla	121	938	5,834	5,666	14,146	103%	71	1,054	5,980	161,838	163,302	4%
99087	Hansfield	7	125	1,515	950	1,700	160%	2	240	603	950	1,700	63%
99085	Dunboyne	29	346	1,198	950	1,700	126%	8	444	167	950	1,700	18%
99086	M3 Parkway	0	1,198	0	0	0	0%	0	167	0	0	0	0%
99093	Leixlip Conley	22	377	3,846	4,716	12,446	82%	23	434	4,727	160,888	161,602	3%
99092	Leixlip Louisa Bridge	12	680	3,178	4,716	12,446	67%	32	851	3,908	160,888	161,602	2%
99091	Maynooth	1,049	1,689	2,538	904	1,618	281%	1,489	2,513	2,884	904	1,618	319%
		8,042	9,898					8,365	13,172				



Service Group: NORTH DART NB  
 Chart Title: AM Peak Hr - NorthDART NB

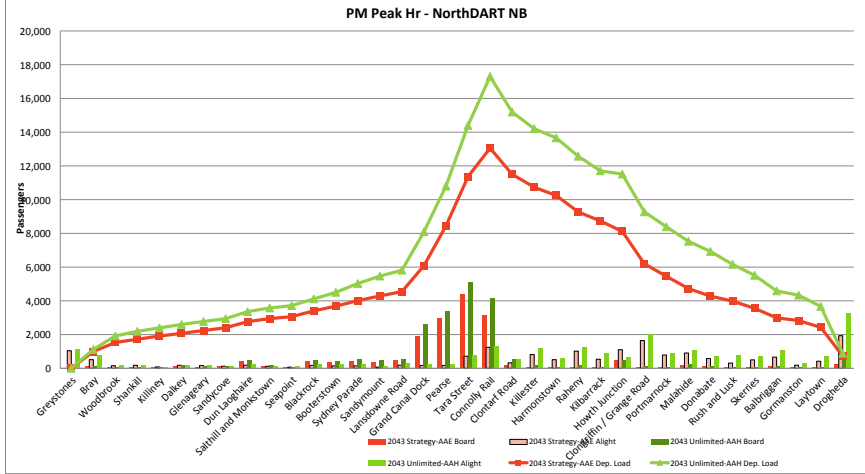
Node	Station	2043 Strategy-AE						2043 Unlimited-AAH					
		2043 Strategy-AE Board	2043 Strategy-AE Alight	2043 Strategy-AE Dep. Load	2043 Strategy-AE Seated Capacity	2043 Strategy-AE Crush Capacity	2043 Strategy-AE Loading Ratio	2043 Unlimited-AAH Board	2043 Unlimited-AAH Alight	2043 Unlimited-AAH Dep. Load	2043 Unlimited-AAH Seated Capacity	2043 Unlimited-AAH Crush Capacity	2043 Unlimited-AAH Loading Ratio
99141	Greystones	1,773	417	1,773	1,024	2,764	173%	2,132	500	2,132	19,982	19,982	11%
99140	Bray	1,481	36	3,218	3,584	9,674	90%	1,768	34	3,866	179,982	179,982	2%
99146	Woodbrook	215	14	3,419	3,584	9,674	95%	296	15	4,148	179,982	179,982	2%
99136	Shankill	521	29	3,911	3,584	9,674	109%	666	31	4,783	179,982	179,982	3%
99135	Kilney	249	20	4,140	3,584	9,674	116%	357	22	5,088	179,982	179,982	3%
99134	Dalkey	458	154	4,443	3,584	9,674	124%	545	158	5,475	179,982	179,982	3%
99133	Glenageary	418	62	4,799	3,584	9,674	134%	540	66	5,949	179,982	179,982	3%
99132	Sandy Cove	273	140	4,932	3,584	9,674	138%	337	141	6,145	179,982	179,982	3%
99131	Dun Laoghaire	444	236	5,139	5,120	13,820	100%	550	256	6,439	179,982	179,982	4%
99130	Salthill and Monkstown	321	103	5,358	5,120	13,820	105%	415	106	6,747	179,982	179,982	4%
99129	Seapoint	218	22	5,553	5,120	13,820	108%	271	25	6,994	179,982	179,982	4%
99128	Blackrock	319	339	5,533	5,120	13,820	108%	400	346	7,048	179,982	179,982	4%
99127	Boaterstown	324	276	5,582	5,120	13,820	109%	450	309	7,189	179,982	179,982	4%
99126	Sydney Parade	199	342	5,438	5,120	13,820	106%	292	426	7,054	179,982	179,982	4%
99188	Sandy Mount	100	221	5,318	5,120	13,820	104%	156	260	6,950	179,982	179,982	4%
99125	Lansdowne Road	314	332	5,300	5,120	13,820	104%	468	403	7,015	179,982	179,982	4%
99110	Grand Canal Dock	222	745	4,776	8,192	22,112	58%	386	879	6,522	319,968	319,968	2%
99150	Pease	248	991	4,034	8,192	22,112	49%	344	1,253	5,612	319,968	319,968	2%
99124	Tara Street	753	1,746	3,041	8,192	22,112	37%	951	2,165	4,398	319,968	319,968	1%
99100	Connolly Rail	1,407	705	3,742	27,028	27,028	36%	1,965	849	5,513	321,298	322,348	2%
99109	Clontarf Road	29	235	1,765	5,500	14,500	32%	85	351	2,279	160,364	160,664	1%
99101	Killesher	36	244	1,557	5,500	14,500	28%	104	348	2,036	160,364	160,664	1%
99102	Harmonstown	25	131	1,451	5,500	14,500	26%	64	167	1,933	160,364	160,664	1%
99103	Raheny	27	317	1,161	5,500	14,500	21%	96	376	1,653	160,364	160,664	1%
99104	Kilbarrack	9	103	1,067	5,500	14,500	19%	37	178	1,513	160,364	160,664	1%
99105	Howth Junction	246	235	1,079	7,036	18,646	15%	241	115	1,638	161,500	164,810	1%
99187	Clongriffin / Grange Road	60	161	894	3,964	10,354	22%	266	212	1,563	160,364	160,664	1%
99111	Portmarnock	106	104	886	3,964	10,354	22%	111	133	1,541	160,364	160,664	1%
99112	Malahide	114	324	677	2,428	6,208	28%	163	417	1,287	160,364	160,664	1%
99113	Donabate	93	167	602	2,428	6,208	25%	89	278	1,098	160,364	160,664	1%
99114	Rush and Lusk	53	82	573	2,428	6,208	24%	61	187	971	160,364	160,664	1%
99115	Skeries	64	121	515	2,428	6,208	21%	79	233	818	160,364	160,664	1%
99116	Balbegan	81	164	432	2,428	6,208	18%	99	304	612	160,364	160,664	0%
99117	Gormanston	47	43	436	2,428	6,208	18%	37	66	583	160,364	160,664	0%
99119	Laytown	52	66	421	2,428	6,208	17%	59	99	543	160,364	160,664	0%
99120	Draghda	152	348	225	1,120	3,322	20%	168	453	259	1,120	3,322	23%
		11,449	9,776					15,018	12,163				



Service Group1: NORTHART NB  
 Chart Title: PM Peak Hr - NORTHART NB

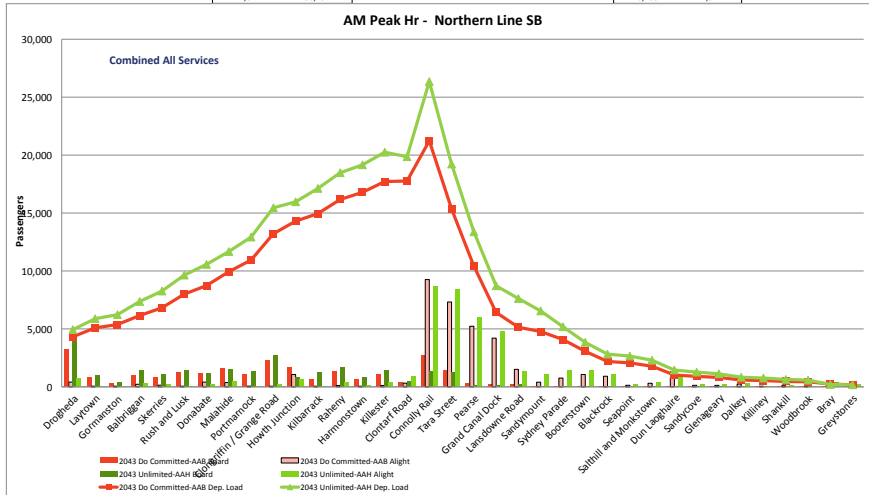
Service Group2: MayDART SB  
 Service Group3: Commuter Northern Line NB

Node	Station	2043 Strategy-AE						2043 Unlimited-AAH					
		2043 Strategy-AE Board	2043 Strategy-AE Aight	2043 Strategy-AE Dep. Load	2043 Strategy-AE Seated Capacity	2043 Strategy-AE Crush Capacity	2043 Strategy-AE Loading Ratio	2043 Unlimited-AAH Board	2043 Unlimited-AAH Aight	2043 Unlimited-AAH Dep. Load	2043 Unlimited-AAH Seated Capacity	2043 Unlimited-AAH Crush Capacity	2043 Unlimited-AAH Loading Ratio
99141	Greystones	0	1,045	0	0	0	0%	0	1,146	0	0	0	0%
99140	Bray	105	513	994	2,560	6,910	39%	127	763	1,117	99,990	99,990	1%
99416	Woodbrook	43	154	1,534	3,584	9,674	43%	58	208	1,921	179,982	179,982	1%
99136	Shankill	58	179	1,725	3,584	9,674	48%	89	191	2,182	179,982	179,982	1%
99135	Kilmeay	27	86	1,912	3,584	9,674	53%	39	92	2,398	179,982	179,982	1%
99134	Dalkey	136	180	2,072	3,584	9,674	58%	183	167	2,600	179,982	179,982	1%
99133	Glenageary	89	165	2,242	3,584	9,674	63%	122	164	2,776	179,982	179,982	2%
99132	Sandyrove	111	127	2,400	3,584	9,674	67%	138	121	2,945	179,982	179,982	2%
99131	Dun Laoghaire	402	188	2,770	5,120	13,820	54%	508	232	3,360	179,982	179,982	2%
99130	Salthill and Monkstown	142	118	2,945	5,120	13,820	58%	171	145	3,577	179,982	179,982	2%
99129	Seapoint	55	71	3,063	5,120	13,820	60%	62	100	3,715	179,982	179,982	2%
99128	Blackrock	453	174	3,406	5,120	13,820	67%	492	246	4,114	179,982	179,982	2%
99127	Boaterstown	372	145	3,685	5,120	13,820	72%	434	236	4,504	179,982	179,982	3%
99126	Sydney Parade	405	146	4,013	5,120	13,820	78%	548	227	5,026	179,982	179,982	3%
99188	Sandy Mount	340	70	4,290	5,120	13,820	84%	460	107	5,467	179,982	179,982	3%
99125	Lansdowne Road	459	185	4,547	5,120	13,820	89%	545	285	5,814	179,982	179,982	3%
99110	Grand Canal Dock	1,915	174	6,084	7,168	19,348	85%	2,642	232	8,091	259,974	259,974	3%
99150	Pease	2,976	173	8,447	8,192	22,112	103%	3,413	231	10,804	319,968	319,968	3%
99124	Tara Street	4,376	117	11,364	8,192	22,112	139%	5,121	797	14,401	319,968	319,968	5%
99100	Connolly Rail	3,126	1,246	13,054	8,572	22,792	152%	4,176	1,324	17,305	320,348	320,348	5%
99109	Clontarf Road	190	325	11,503	5,500	14,500	209%	568	519	15,193	160,364	160,664	9%
99101	Killesher	46	813	10,785	5,500	14,500	195%	177	1,167	14,204	160,364	160,664	9%
99102	Harcross Road	23	512	10,246	5,500	14,500	186%	83	626	13,661	160,364	160,664	9%
99103	Raheny	42	1,019	9,269	5,500	14,500	169%	172	1,260	12,572	160,364	160,664	8%
99104	Kilbarrack	7	539	8,737	5,500	14,500	159%	53	917	11,708	160,364	160,664	7%
99105	Howth Junction	482	1,105	8,115	7,036	18,646	115%	456	651	11,514	161,500	164,810	7%
99187	Clongriffin / Grange Road	14	1,643	6,194	3,964	10,354	156%	115	2,023	9,274	160,364	160,664	6%
99111	Portmarnock	49	789	5,454	3,964	10,354	138%	35	922	8,287	160,364	160,664	5%
99112	Malahide	181	908	4,727	2,428	6,208	195%	224	1,081	7,530	160,364	160,664	5%
99113	Donabate	124	577	4,275	2,428	6,208	176%	138	741	6,927	160,364	160,664	4%
99114	Rush and Lusk	25	313	3,987	2,428	6,208	164%	38	801	6,163	160,364	160,664	4%
99115	Skerries	70	501	3,556	2,428	6,208	146%	94	744	5,513	160,364	160,664	3%
99116	Balbriggan	99	664	2,990	2,428	6,208	123%	137	1,063	4,587	160,364	160,664	3%
99117	Gormanston	25	186	2,829	2,428	6,208	117%	24	275	4,335	160,364	160,664	3%
99119	Laytown	20	421	2,428	2,428	6,208	100%	31	658	3,668	160,364	160,664	2%
99120	Draghda	235	1,934	730	1,120	3,322	65%	470	3,248	890	1,120	3,322	79%
		17,251	18,105					22,140	23,749				



Service Group1: NorthDART SB  
 Service Group2: MayDART SB  
 Service Group3: Commuter Northern Line SB  
 Chart Title: AM Peak Hr - Northern Line SB

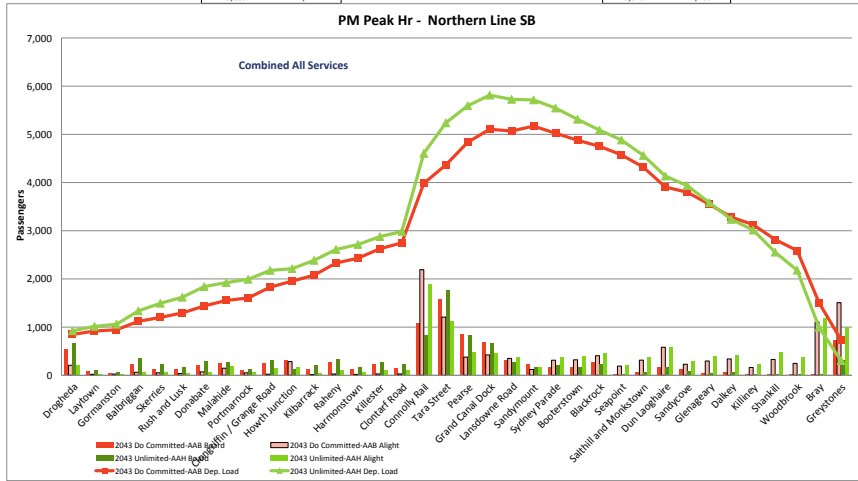
Node	Station	2043 Do Committed-AAB								2043 Unlimited-AAH					
		2043 Do Committed-AAB		2043 Do Committed-AAB		2043 Do Committed-AAB		2043 Do Committed-AAB		2043 Unlimited-AAH		2043 Unlimited-AAH		2043 Unlimited-AAH	
		Board	Alight	Dep. Load	Capacity	Capacity	Capacity	Capacity	Capacity	Board	Alight	Dep. Load	Capacity	Capacity	Capacity
99120	Drogheda	3,263	411	4,324	2,500	6,337	173%	4,430	702	4,934	160,436	160,793	3%		
99119	Laytown	816	52	5,088	2,500	6,337	204%	1,024	78	5,880	160,436	160,793	4%		
99117	Gormanston	345	57	5,376	2,500	6,337	215%	415	64	6,231	160,436	160,793	4%		
99116	Ballyriggan	998	221	6,153	2,500	6,337	246%	1,447	312	7,366	160,436	160,793	5%		
99115	Skerries	813	143	6,823	2,500	6,337	273%	1,116	215	8,267	160,436	160,793	5%		
99114	Rush and Lusk	1,220	43	8,000	2,500	6,337	320%	1,454	79	9,642	160,436	160,793	6%		
99113	Donabate	1,146	407	8,739	2,500	6,337	350%	1,139	212	10,569	160,436	160,793	7%		
99112	Malahide	1,570	370	9,939	4,036	10,483	246%	1,549	442	11,676	160,436	160,793	7%		
99111	Portmanrock	1,064	63	10,940	4,036	10,483	271%	1,328	82	12,923	160,436	160,793	8%		
99187	Clongriffin / Grange Road	2,304	30	13,214	5,722	14,629	237%	2,724	195	15,452	160,436	160,793	10%		
99105	Howth Junction	1,655	1,063	14,303	5,722	14,629	257%	808	638	15,966	160,436	160,793	10%		
99104	Kilbarrack	655	5	14,953	5,722	14,629	268%	1,238	79	17,125	160,436	160,793	11%		
99103	Raheny	1,336	117	16,171	5,722	14,629	290%	1,700	346	18,479	160,436	160,793	12%		
99102	Harmonstown	666	51	16,786	5,722	14,629	301%	824	145	19,158	160,436	160,793	12%		
99101	Killester	1,053	119	17,720	5,722	14,629	318%	1,444	354	20,249	160,436	160,793	13%		
99109	Clontarf Road	361	319	17,762	5,722	14,629	319%	498	890	19,857	160,436	160,793	12%		
99100	Connolly Rail	2,712	9,258	21,236	8,192	22,112	259%	1,372	8,634	26,347	319,968	319,968	8%		
99124	Tara Street	1,442	7,313	15,355	8,192	22,112	187%	1,256	8,378	19,225	319,968	319,968	6%		
99150	Pearse	297	5,230	10,421	8,192	22,112	127%	136	5,985	13,376	319,968	319,968	4%		
99110	Grand Canal Dock	202	4,204	6,419	5,120	13,820	125%	137	4,795	8,718	179,982	179,982	5%		
99125	Lansdowne Road	232	1,511	5,141	5,120	13,820	100%	200	1,297	7,621	179,982	179,982	4%		
99188	Sandymount	35	401	4,775	5,120	13,820	93%	34	1,105	6,550	179,982	179,982	4%		
99126	Sydney Parade	62	757	4,080	5,120	13,820	80%	69	1,434	5,185	179,982	179,982	3%		
99127	Boooterstown	49	1,066	3,063	5,120	13,820	60%	50	1,397	3,838	179,982	179,982	2%		
99128	Blackrock	40	916	2,187	5,120	13,820	43%	37	1,055	2,820	179,982	179,982	2%		
99129	Seapoint	16	135	2,069	5,120	13,820	40%	16	181	2,856	179,982	179,982	1%		
99130	Salthill and Monkstown	17	309	1,777	5,120	13,820	35%	23	382	2,296	179,982	179,982	1%		
99131	Dun Laoghaire	27	784	1,020	3,584	9,674	28%	26	872	1,450	179,982	179,982	1%		
99132	Sandy Cove	13	133	900	3,584	9,674	25%	13	192	1,271	179,982	179,982	1%		
99133	Glenageary	37	127	811	3,584	9,674	23%	45	191	1,125	179,982	179,982	1%		
99134	Dalkey	23	247	587	3,584	9,674	16%	27	323	828	179,982	179,982	0%		
99135	Killiney	5	49	544	3,584	9,674	15%	6	77	758	179,982	179,982	0%		
99136	Shankill	11	92	462	3,584	9,674	13%	15	132	641	179,982	179,982	0%		
99146	Woodbrook	5	33	435	3,584	9,674	12%	2	63	580	179,982	179,982	0%		
99140	Bry	14	202	246	1,024	2,764	24%	6	382	204	19,998	19,998	1%		
99141	Greystones	170	246	170	190	340	89%	173	204	173	190	340	91%		
		24,674	36,492					26,783	41,911						



Service Group1: NorthDART SB  
 Chart Title: PM Peak Hr - Northern Line SB

Service Group2: MayDART SB  
 Service Group3: Commuter Northern Line SB

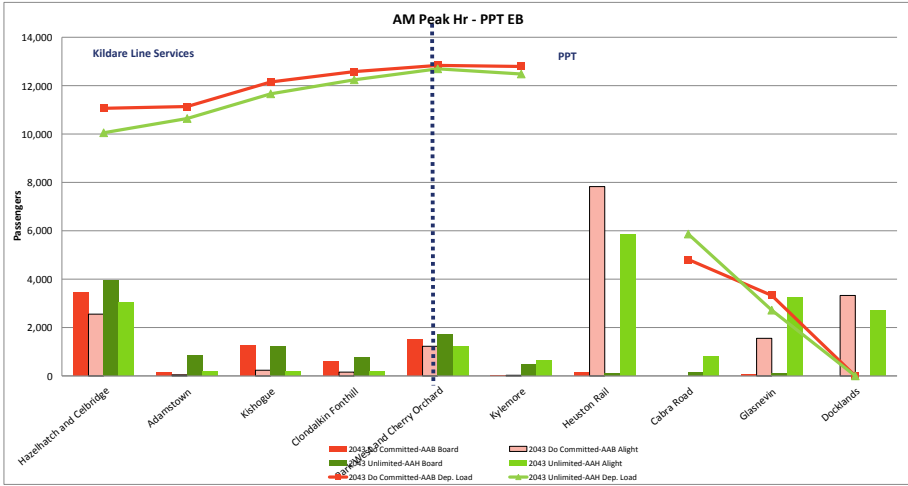
Node	Station	2043 Do Committed-AAB						2043 Unlimited-AAH					
		2043 Do Committed-AAB Board		2043 Do Committed-AAB Alight		2043 Do Committed-AAB Dep. Load		2043 Unlimited-AAH Board		2043 Unlimited-AAH Alight		2043 Unlimited-AAH Dep. Load	
		Committed-AAB	Committed-AAB	Committed-AAB	Committed-AAB	Committed-AAB	Committed-AAB	Unlimited-AAH	Unlimited-AAH	Unlimited-AAH	Unlimited-AAH	Unlimited-AAH	Unlimited-AAH
99120	Drogheda	533	209	847	2,500	6,337	34%	658	203	924	160,436	160,793	1%
99119	Laytown	94	21	920	2,500	6,337	37%	115	24	1,015	160,436	160,793	1%
99117	Gormanston	52	27	945	2,500	6,337	38%	63	20	1,058	160,436	160,793	1%
99116	Ballyriggan	238	63	1,115	2,500	6,337	45%	350	72	1,336	160,436	160,793	1%
99115	Skerries	135	53	1,202	2,500	6,337	48%	221	63	1,494	160,436	160,793	1%
99114	Rush and Lusk	131	38	1,294	2,500	6,337	52%	163	38	1,619	160,436	160,793	1%
99113	Donabate	217	72	1,439	2,500	6,337	58%	287	65	1,841	160,436	160,793	1%
99112	Malahide	262	147	1,554	4,036	10,483	38%	279	197	1,923	160,436	160,793	1%
99111	Portmarnock	102	52	1,604	4,036	10,483	40%	130	61	1,992	160,436	160,793	1%
99187	Clongriffin / Grange Road	248	23	1,829	5,572	14,629	33%	323	138	2,177	160,436	160,793	1%
99105	Howth Junction	312	284	1,954	5,572	14,629	35%	136	165	2,212	160,436	160,793	1%
99104	Kilbarrack	124	3	2,076	5,572	14,629	37%	218	44	2,385	160,436	160,793	1%
99103	Raheny	282	28	2,330	5,572	14,629	42%	338	112	2,612	160,436	160,793	2%
99102	Harmonstown	119	20	2,430	5,572	14,629	44%	163	62	2,713	160,436	160,793	2%
99101	Kililester	226	29	2,626	5,572	14,629	47%	278	114	2,877	160,436	160,793	2%
99109	Clontarf Road	153	30	2,749	5,572	14,629	49%	225	117	2,985	160,436	160,793	2%
99100	Connolly Rail	1,079	2,192	3,984	8,192	22,112	49%	826	1,887	4,605	319,968	319,968	1%
99124	Tara Street	1,588	1,208	4,364	8,192	22,112	53%	1,758	1,126	5,237	319,968	319,968	2%
99150	Pearse	850	378	4,836	8,192	22,112	59%	837	481	5,594	319,968	319,968	2%
99110	Grand Canal Dock	694	424	5,106	5,120	13,820	100%	672	453	5,813	179,982	179,982	3%
99125	Lansdowne Road	314	351	5,069	5,120	13,820	99%	281	368	5,726	179,982	179,982	3%
99188	Sandymount	224	122	5,171	5,120	13,820	101%	160	172	5,714	179,982	179,982	3%
99126	Sydney Parade	165	314	5,023	5,120	13,820	98%	215	384	5,545	179,982	179,982	3%
99127	Boooterstown	177	322	4,878	5,120	13,820	95%	161	394	5,312	179,982	179,982	3%
99128	Blackrock	281	407	4,752	5,120	13,820	93%	233	457	5,088	179,982	179,982	3%
99129	Seapoint	14	191	4,575	5,120	13,820	89%	13	219	4,882	179,982	179,982	3%
99130	Salthill and Monkstown	59	315	4,318	5,120	13,820	84%	61	381	4,562	179,982	179,982	3%
99131	Dun Laoghaire	171	583	3,907	3,584	9,674	109%	160	588	4,134	179,982	179,982	2%
99132	Sandy Cove	121	230	3,798	3,584	9,674	106%	95	294	3,935	179,982	179,982	2%
99133	Glenageary	48	297	3,549	3,584	9,674	99%	44	396	3,583	179,982	179,982	2%
99134	Dalkey	73	340	3,282	3,584	9,674	92%	71	419	3,235	179,982	179,982	2%
99135	Killiney	7	163	3,126	3,584	9,674	87%	6	228	3,013	179,982	179,982	2%
99136	Shankill	20	329	2,817	3,584	9,674	79%	13	473	2,554	179,982	179,982	1%
99146	Woodbrook	19	247	2,589	3,584	9,674	72%	10	383	2,181	179,982	179,982	1%
99140	Bray	23	1,105	1,507	1,024	2,764	147%	6	1,191	996	19,998	19,998	5%
99141	Greystones	734	1,507	734	190	340	386%	305	996	305	190	340	160%
		9,889	12,124					9,875	12,785				



Service Group1: PPT EB  
 Chart Title: AM Peak Hr - PPT EB

Service Group2: Commuter EB  
 Service Group3: PPT D EB  
 Commuter Northern Line NB

Node	Station	2043 Do Committed-AAB						2043 Unlimited-AAH					
		2043 Do Committed-AAB Board	2043 Do Committed-AAB Alight	2043 Do Committed-AAB Dep. Load	2043 Do Committed-AAB Seated Capacity	2043 Do Committed-AAB Crush Capacity	2043 Do Committed-AAB Loading Ratio	2043 Unlimited-AAH Board	2043 Unlimited-AAH Alight	2043 Unlimited-AAH Dep. Load	2043 Unlimited-AAH Seated Capacity	2043 Unlimited-AAH Crush Capacity	2043 Unlimited-AAH Loading Ratio
99078	Hazelhatch and Celbridge	3,445	2,554	11,063	11,042	26,282	100%	3,946	3,037	10,652	163,858	166,918	6%
99075	Adamstown	159	42	11,137	11,042	26,282	101%	855	189	10,641	163,858	166,918	6%
99400	Kishogue	1,250	235	12,152	11,042	26,282	110%	1,202	181	11,661	163,858	166,918	7%
99077	Clonsilla/Fonthill	585	157	12,580	11,042	26,282	114%	752	173	12,241	163,858	166,918	7%
99076	Park West and Cherry Orchard	1,526	1,225	12,837	11,042	26,282	116%	1,725	1,210	12,695	163,858	166,918	8%
99417	Kylemore	0	0	12,793	11,042	26,282	116%	484	636	12,481	163,858	166,918	8%
99001	Heuston Rail	154	7,827	0	5,120	13,820	94%	109	5,848	0	119,988	119,988	5%
99411	Cabra Road	0	0	4,812	5,120	13,820	94%	162	821	5,864	119,988	119,988	5%
99404	Glasnevin	67	1,554	3,326	5,120	13,820	65%	113	2,260	2,717	119,988	119,988	2%
99084	Docklands	0	3,326	0	0	0	0%	0	2,717	0	0	0	0%
		7,186	16,918					9,347	18,073				

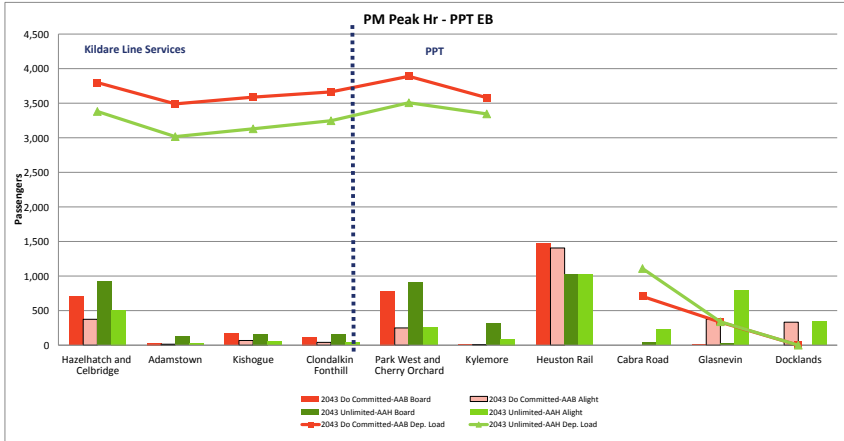


Service Group1: PPT EB  
 Chart Title: PM Peak Hr - PPT EB

Service Group2: Commuter EB Service Group3: PPT D EB

Commuter Northern Line NB

Node	Station	2043 Do Committed-AAB						2043 Unlimited-AAH					
		2043 Do Committed-AAB Board	2043 Do Committed-AAB Alight	2043 Do Committed-AAB Dep. Load	2043 Do Committed-AAB Seated Capacity	2043 Do Committed-AAB Crush Capacity	2043 Do Committed-AAB Loading Ratio	2043 Unlimited-AAH Board	2043 Unlimited-AAH Alight	2043 Unlimited-AAH Dep. Load	2043 Unlimited-AAH Seated Capacity	2043 Unlimited-AAH Crush Capacity	2043 Unlimited-AAH Loading Ratio
99078	Hazelhatch and Celbridge	707	374	3,799	11,042	26,282	34%	925	509	3,381	163,858	166,918	2%
99075	Adamstown	32	14	3,490	11,042	26,282	32%	126	26	3,017	163,858	166,918	2%
99400	Kishogue	165	68	3,588	11,042	26,282	32%	164	51	3,130	163,858	166,918	2%
99077	Clondalkin Fonthill	116	41	3,663	11,042	26,282	33%	152	35	3,247	163,858	166,918	2%
99076	Park West and Cherry Orchard	785	249	3,889	11,042	26,282	35%	907	257	3,507	163,858	166,918	2%
99417	Kylemore	1	1	3,580	11,042	26,282	32%	316	88	3,345	163,858	166,918	2%
99001	Heuston Rail	1,469	1,406	705	5,120	13,820	6%	1,027	1,026				
99411	Cabra Road	0	0	705	5,120	13,820	14%	41	225	1,109	119,988	119,988	1%
99404	Glasnevin	4	376	333	5,120	13,820	6%	21	791	339	119,988	119,988	0%
99084	Docklands	0	333	0	0	0	0%	0	339	0	0	0	0%
		3,280	2,862					3,679	3,346				



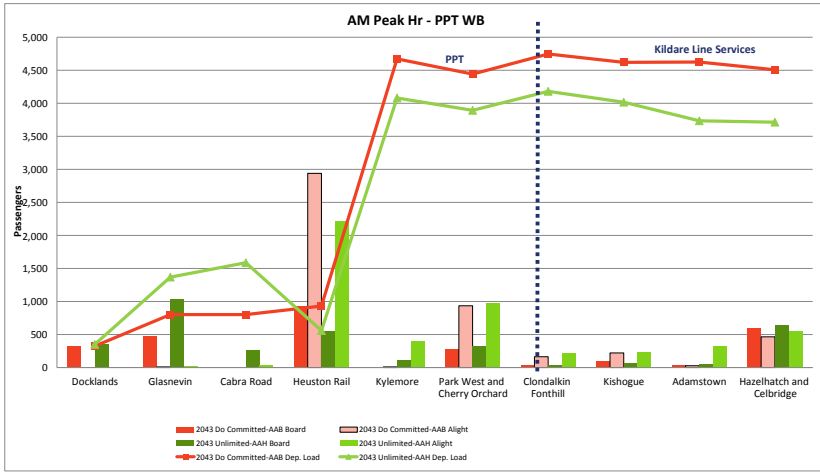


Service Group1: PPT WB  
 Chart Title: AM Peak Hr - PPT WB

Service Group2: Commuter WB  
 Service Group3: PPT D WB

Commuter Northern Line SB

Node	Station	2043 Do Committed-AAB						2043 Unlimited-AAH					
		2043 Do Committed-AAB Board	2043 Do Committed-AAB Alight	2043 Do Committed-AAB Dep. Load	2043 Do Committed-AAB Seated Capacity	2043 Do Committed-AAB Crush Capacity	2043 Do Committed-AAB Loading Ratio	2043 Unlimited-AAH Board	2043 Unlimited-AAH Alight	2043 Unlimited-AAH Dep. Load	2043 Unlimited-AAH Seated Capacity	2043 Unlimited-AAH Crush Capacity	2043 Unlimited-AAH Loading Ratio
99084	Docklands	324	0	324	5,120	13,820	6%	350	0	350	119,988	119,988	0%
99404	Glasnevin	478	0	802	5,120	13,820	16%	1,040	21	1,368	119,988	119,988	1%
99411	Cabra Road	0	0	802	5,120	13,820	16%	263	45	1,587	119,988	119,988	1%
99601	Heuston Rail	931	2,940	931	5,922	12,462	16%	558	2,224	559	43,870	46,930	1%
99417	Kylemore	0	0	4,672	11,802	27,542	40%	113	403	4,080	164,618	168,178	2%
99076	Park West and Cherry Orchard	274	935	4,442	11,802	27,542	38%	330	974	3,893	164,618	168,178	2%
99077	Clondalkin Fonthill	38	164	4,746	11,802	27,542	40%	43	212	4,181	164,618	168,178	3%
99400	Kishogue	94	223	4,620	11,802	27,542	39%	70	234	4,016	164,618	168,178	2%
99075	Adamstown	32	27	4,625	11,802	27,542	39%	47	329	3,735	164,618	168,178	2%
99078	Hazelhatch and Celbridge	605	465	4,507	4,444	7,854	101%	650	546	3,714	4,444	7,854	84%
		2,777	4,753					3,465	4,988				

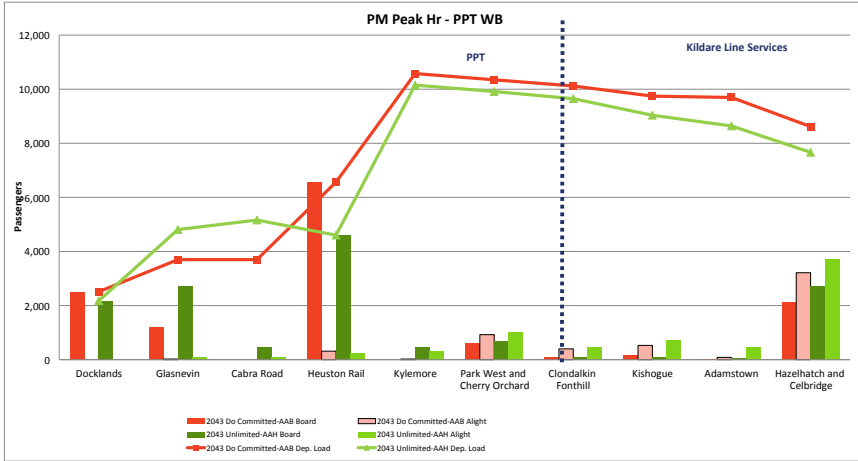


Service Group1: PPT WB  
 Chart Title: PM Peak Hr - PPT WB

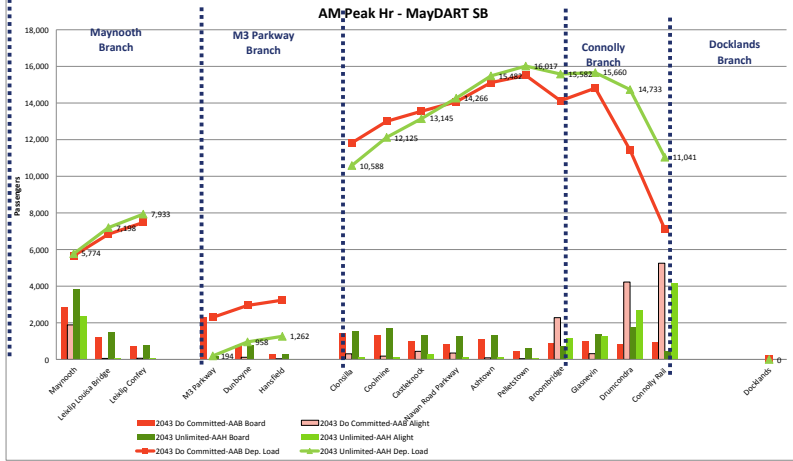
Service Group2: Commuter WB Service Group3: PPT D WB

Commuter Northern Line SB

Node	Station	2043 Do Committed-AAB						2043 Unlimited-AAH					
		2043 Do Committed-AAB Board	2043 Do Committed-AAB Alight	2043 Do Committed-AAB Dep. Load	2043 Do Committed-AAB Seated Capacity	2043 Do Committed-AAB Crush Capacity	2043 Do Committed-AAB Loading Ratio	2043 Unlimited-AAH Board	2043 Unlimited-AAH Alight	2043 Unlimited-AAH Dep. Load	2043 Unlimited-AAH Seated Capacity	2043 Unlimited-AAH Crush Capacity	2043 Unlimited-AAH Loading Ratio
99084	Docklands	2,512	0	2,512	5,120	13,820	49%	2,178	0	2,178	119,988	119,988	2%
99404	Glasnevin	1,200	13	3,698	5,120	13,820	72%	2,711	80	4,809	119,988	119,988	4%
99411	Cabra Road	0	0	3,698	5,120	13,820	72%	460	107	5,162	119,988	119,988	4%
99601	Heuston Rail	6,565	315	6,565	5,922	12,462	111%	4,604	241	4,604	43,870	46,390	10%
99417	Kylemore	0	0	10,579	11,802	27,542	90%	468	334	10,150	164,618	168,178	6%
99076	Park West and Cherry Orchard	605	925	10,347	11,802	27,542	88%	680	1,033	9,915	164,618	168,178	6%
99077	Clondalkin Fonthill	84	400	10,120	11,802	27,542	86%	95	478	9,649	164,618	168,178	6%
99400	Kishogue	152	528	9,744	11,802	27,542	83%	95	706	9,037	164,618	168,178	5%
99075	Adamstown	34	84	9,695	11,802	27,542	82%	51	447	8,642	164,618	168,178	5%
99078	Hazelhatch and Celbridge	2,143	3,215	8,617	4,444	7,854	194%	2,721	3,708	7,666	4,444	7,854	172%
		13,295	5,480					14,063	7,124				



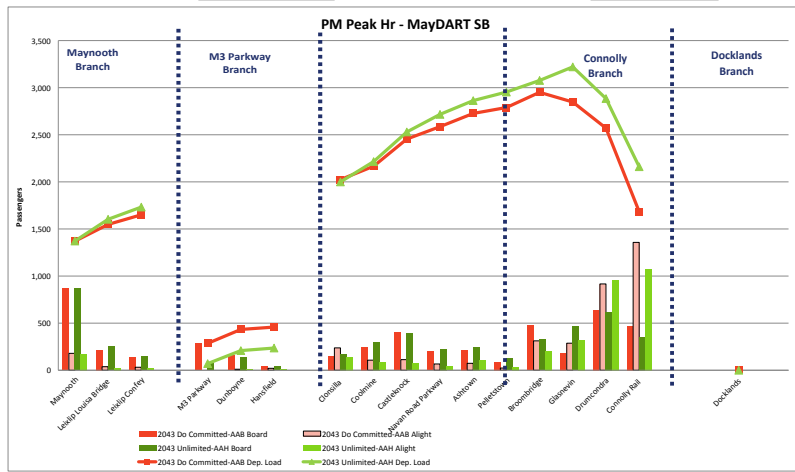
Node	Station	2043 Do Committed-AAB						2043 Unlimited-AAH					
		2043 Do Committed-AAB Board	2043 Do Committed-AAB Alight	2043 Do Committed-AAB Dep. Load	2043 Do Committed-AAB Seated Capacity	2043 Do Committed-AAB Crush Capacity	2043 Do Committed-AAB Loading Ratio	2043 Unlimited-AAH Board	2043 Unlimited-AAH Alight	2043 Unlimited-AAH Dep. Load	2043 Unlimited-AAH Seated Capacity	2043 Unlimited-AAH Crush Capacity	2043 Unlimited-AAH Loading Ratio
99091	Maynooth	2,839	1,886	5,663	4,860	12,596	117%	3,848	2,344	5,774	161,032	161,752	4%
99092	Leixlip Louisa Bridge	1,231	55	6,838	4,860	12,596	141%	1,494	71	7,198	161,032	161,752	4%
99093	Leixlip Conley	704	65	7,477	4,860	12,596	154%	786	51	7,933	161,032	161,752	5%
99086	M3 Parkway	2,296	0	2,296	950	1,700	242%	194	0	194	950	1,700	20%
99085	Dunboyne	770	118	2,948	950	1,700	310%	784	19	958	950	1,700	101%
99087	Hansfield	307	18	3,237	950	1,700	341%	307	4	1,262	950	1,700	133%
99094	Clonsilla	1,417	307	11,824	5,810	14,296	204%	1,543	149	10,588	161,982	163,452	7%
99095	Coolmine	1,355	181	12,999	5,810	14,296	224%	1,692	155	12,125	161,982	163,452	7%
99096	Castleknock	994	442	13,551	5,810	14,296	233%	1,310	290	13,145	161,982	163,452	8%
99089	Navan Road Parkway	862	349	14,063	5,810	14,296	242%	1,277	156	14,266	161,982	163,452	9%
99097	Ashtown	1,130	87	15,115	5,810	14,296	280%	1,333	116	15,482	161,982	163,452	10%
99415	Pelletstown	434	40	15,509	5,810	14,296	287%	604	69	16,017	161,982	163,452	10%
99098	Broombridge	896	2,281	14,123	5,810	14,296	243%	708	1,142	15,582	161,982	163,452	10%
99404	Glasnevin	1,003	315	14,812	5,810	14,296	255%	1,363	1,285	15,660	161,982	163,452	10%
99099	Drumcondra	844	4,226	11,480	5,810	14,296	197%	1,744	2,671	14,733	161,982	163,452	9%
99100	Connolly Rail	931	5,253	7,108	3,072	8,292	231%	478	4,170	11,041	159,984	159,984	7%
99084	Docklands	0	0	0	0	0	0%	0	0	0	0	0	0%
		18,032	15,676					10,865	13,604				



Service Group1: MayDART SB  
 Chart Title: PM Peak Hr - MayDART SB

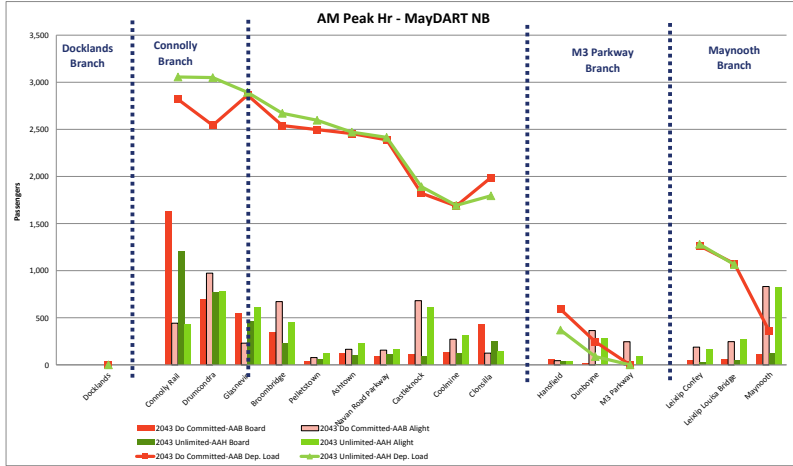
Service Group2: Commuter SB  
 Service Group3: MayDART D SB

Node	Station	2043 Do Committed-AAB						2043 Unlimited-AAH					
		2043 Do Committed-AAB Board	2043 Do Committed-AAB Aught	2043 Do Committed-AAB Dep. Load	2043 Do Committed-AAB Seated Capacity	2043 Do Committed-AAB Crush Capacity	2043 Do Committed-AAB Loading Ratio	2043 Unlimited-AAH Board	2043 Unlimited-AAH Aught	2043 Unlimited-AAH Dep. Load	2043 Unlimited-AAH Seated Capacity	2043 Unlimited-AAH Crush Capacity	2043 Unlimited-AAH Loading Ratio
99091	Maynooth	870	179	1,370	4,860	12,596	28%	868	173	1,372	161,032	161,752	1%
99092	Leixlip Louisa Bridge	216	38	1,548	4,860	12,596	32%	253	22	1,603	161,032	161,752	1%
99093	Leixlip Convey	134	32	1,650	4,860	12,596	34%	148	19	1,732	161,032	161,752	1%
99086	M3 Parkway	285	0	285	950	1,700	30%	71	0	71	950	1,700	7%
99085	Dunboyne	159	11	433	950	1,700	46%	141	3	209	950	1,700	22%
99087	Hansfield	46	21	458	950	1,700	48%	37	10	236	950	1,700	25%
99094	Clonsilla	153	238	2,024	5,810	14,296	35%	171	139	1,999	161,982	163,452	1%
99095	Coolmine	249	107	2,166	5,810	14,296	37%	297	81	2,215	161,982	163,452	1%
99096	Castleknock	401	113	2,455	5,810	14,296	42%	388	73	2,530	161,982	163,452	2%
99089	Navan Road Parkway	198	67	2,586	5,810	14,296	45%	226	40	2,716	161,982	163,452	2%
99097	Adlowan	214	74	2,727	5,810	14,296	47%	249	103	2,863	161,982	163,452	2%
99415	Pelletstown	86	23	2,789	5,810	14,296	48%	126	35	2,954	161,982	163,452	2%
99098	Broombridge	474	312	2,951	5,810	14,296	51%	329	206	3,077	161,982	163,452	2%
99404	Glasnevin	184	287	2,848	5,810	14,296	49%	466	322	3,221	161,982	163,452	2%
99099	Drumcondra	639	916	2,570	5,810	14,296	44%	619	956	2,884	161,982	163,452	2%
99100	Connolly Rail	472	1,357	1,664	3,072	8,292	55%	352	1,076	2,160	159,984	159,984	1%
99084	Docklands	0	0	0	0	0	0%	0	0	0	0	0	0%
		4,779	3,775					4,741	3,258				



Service Group1: MayDART NB  
 AM Peak Hr - MayDART NB  
 Service Group2: Commuter NB  
 Service Group3: MayDART D NB

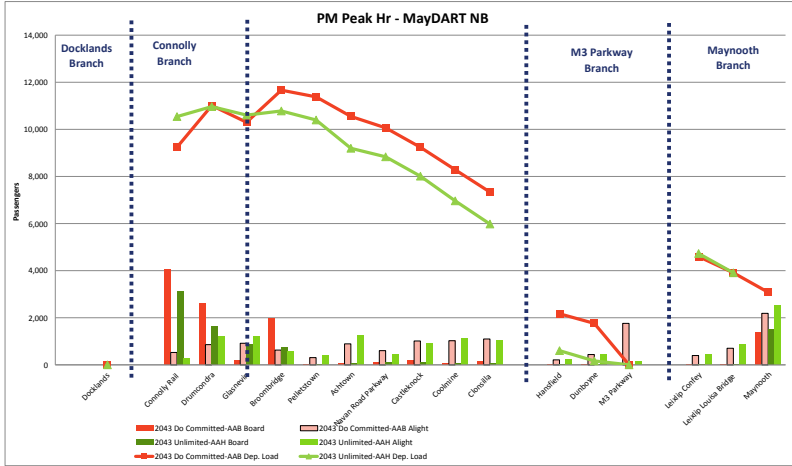
Node	Station	2043 Do Committed-AAB						2043 Unlimited-AAH					
		2043 Do Committed-AAB Board	2043 Do Committed-AAB Alight	2043 Do Committed-AAB Dep. Load	2043 Do Committed-AAB Seated Capacity	2043 Do Committed-AAB Crush Capacity	2043 Do Committed-AAB Loading Ratio	2043 Unlimited-AAH Board	2043 Unlimited-AAH Alight	2043 Unlimited-AAH Dep. Load	2043 Unlimited-AAH Seated Capacity	2043 Unlimited-AAH Crush Capacity	2043 Unlimited-AAH Loading Ratio
99084	Docklands	0	0	0	0	0	0%	0	0	0	0	0	0%
99100	Connolly Rail	1,633	442	2,818	5,666	14,146	50%	1,205	432	3,056	161,838	163,302	2%
99099	Drumcondra	698	974	2,543	5,666	14,146	45%	771	778	3,050	161,838	163,302	2%
99404	Glasnevin	551	230	2,864	5,666	14,146	51%	458	615	2,893	161,838	163,302	2%
99098	Broombridge	348	671	2,540	5,666	14,146	45%	231	453	2,671	161,838	163,302	2%
99415	Pelletstown	34	77	2,497	5,666	14,146	44%	54	127	2,597	161,838	163,302	2%
99097	Athtown	123	165	2,455	5,666	14,146	43%	103	229	2,470	161,838	163,302	2%
99089	Navan Road Parkway	89	156	2,389	5,666	14,146	42%	114	169	2,415	161,838	163,302	1%
99096	Castleknock	114	681	1,822	5,666	14,146	32%	88	612	1,891	161,838	163,302	1%
99095	Coolmine	136	272	1,686	5,666	14,146	30%	120	318	1,693	161,838	163,302	1%
99094	Cionisilla	427	124	1,989	5,666	14,146	35%	247	145	1,795	161,838	163,302	1%
99087	Hansfield	53	44	590	950	1,700	62%	33	37	369	950	1,700	39%
99085	Dunboyne	19	364	245	950	1,700	26%	5	286	88	950	1,700	9%
99086	M3 Parkway	0	245	0	0	0	0%	0	88	0	0	0	0%
99093	Leixlip Corfey	44	188	1,263	4,716	12,446	27%	27	168	1,280	160,888	161,602	1%
99092	Leixlip Louisa Bridge	58	246	1,075	4,716	12,446	23%	53	268	1,065	160,888	161,602	1%
99091	Maynooth	115	831	359	904	1,618	40%	120	823	362	904	1,618	40%
		4,444	5,712					3,627	5,548				



Service Group1: MayDART NB  
 Chart Title: PM Peak Hr - MayDART NB

Service Group2: Commuter NB  
 Service Group3: MayDART D NB

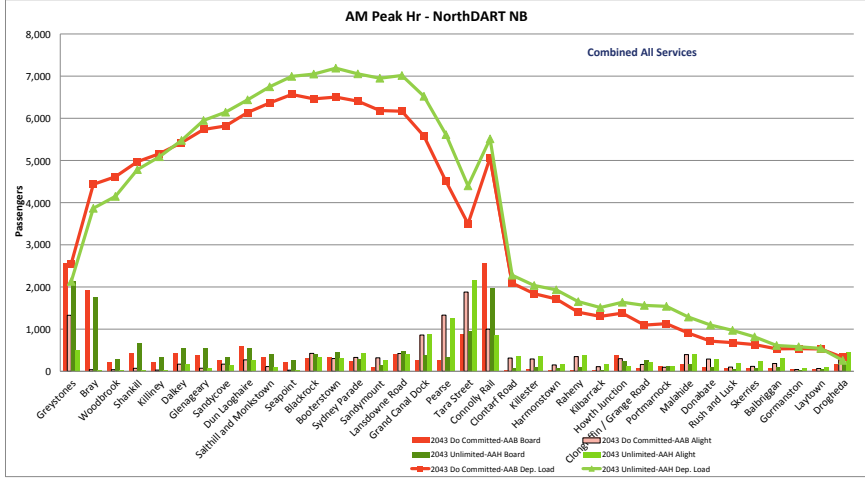
Node	Station	2043 Do Committed-AAB						2043 Unlimited-AAH					
		2043 Do Committed-AAB Board	2043 Do Committed-AAB Alight	2043 Do Committed-AAB Dep. Load	2043 Do Committed-AAB Seated Capacity	2043 Do Committed-AAB Crush Capacity	2043 Do Committed-AAB Loading Ratio	2043 Unlimited-AAH Board	2043 Unlimited-AAH Alight	2043 Unlimited-AAH Dep. Load	2043 Unlimited-AAH Seated Capacity	2043 Unlimited-AAH Crush Capacity	2043 Unlimited-AAH Loading Ratio
99084	Docklands	0	0	0	0	0	0%	0	0	0	0	0	0%
99100	Connolly Rail	4,051	536	8,242	5,666	14,146	163%	3,123	273	10,542	161,838	163,302	7%
99099	Drumcondra	2,628	858	11,012	5,666	14,146	194%	1,646	1,222	10,966	161,838	163,302	7%
99404	Glasnevin	205	916	10,301	5,666	14,146	182%	861	1,222	10,605	161,838	163,302	7%
99098	Broombridge	1,991	627	11,664	5,666	14,146	206%	758	582	10,781	161,838	163,302	7%
99415	Pelletstown	22	306	11,380	5,666	14,146	201%	40	423	10,398	161,838	163,302	6%
99097	Altstown	62	891	10,550	5,666	14,146	189%	55	1,256	9,196	161,838	163,302	6%
99089	Navan Road Parkway	117	603	10,064	5,666	14,146	178%	92	455	8,834	161,838	163,302	5%
99096	Castleknock	188	1,014	9,238	5,666	14,146	163%	102	924	8,012	161,838	163,302	5%
99095	Coolmine	70	1,024	8,284	5,666	14,146	146%	62	1,111	6,963	161,838	163,302	4%
99094	Cionnilla	151	1,098	7,337	5,666	14,146	129%	71	1,054	5,980	161,838	163,302	4%
99087	Hansfield	7	211	2,168	950	1,700	228%	2	240	603	950	1,700	63%
99085	Dunboyne	31	438	1,761	950	1,700	185%	8	444	167	950	1,700	18%
99086	M3 Parkway	0	1,761	0	0	0	0%	0	167	0	0	0	0%
99093	Leixlip Corfey	27	396	4,596	4,716	12,446	97%	23	434	4,727	160,888	161,602	3%
99092	Leixlip Louisa Bridge	18	705	3,909	4,716	12,446	83%	32	851	3,908	160,888	161,602	2%
99091	Maynooth	1,360	2,187	3,082	904	1,618	341%	1,489	2,513	2,884	904	1,618	319%
		10,927	13,561					8,365	13,172				



Service Group: NorthDART NB  
 Chart Title: AM Peak Hr - NorthDART NB

Service Group2: MayDART NB  
 Service Group3: Commuter Northern Line NB

Node	Station	2043 Do Committed-AAB						2043 Unlimited-AAH					
		2043 Do Committed-AAB Board	2043 Do Committed-AAB Alight	2043 Do Committed-AAB Dep. Load	2043 Do Committed-AAB Seated Capacity	2043 Do Committed-AAB Crush Capacity	2043 Do Committed-AAB Loading Ratio	2043 Unlimited-AAH Board	2043 Unlimited-AAH Alight	2043 Unlimited-AAH Dep. Load	2043 Unlimited-AAH Seated Capacity	2043 Unlimited-AAH Crush Capacity	2043 Unlimited-AAH Loading Ratio
99141	Greystones	2,556	1,329	2,556	1,024	2,764	250%	2,132	500	2,132	19,982	19,982	11%
99140	Bray	1,916	39	4,434	3,584	9,674	124%	1,768	34	3,866	179,982	179,982	2%
99416	Woodbrook	219	39	4,614	3,584	9,674	129%	296	15	4,148	179,982	179,982	2%
99136	Shankill	428	71	4,971	3,584	9,674	139%	666	31	4,783	179,982	179,982	3%
99135	Kilmeay	220	30	5,161	3,584	9,674	144%	357	22	5,088	179,982	179,982	3%
99134	Dalkey	430	170	5,421	3,584	9,674	151%	545	158	5,475	179,982	179,982	3%
99133	Glensageary	387	73	5,735	3,584	9,674	160%	540	66	5,949	179,982	179,982	3%
99132	Sandycove	254	170	5,818	3,584	9,674	162%	337	141	6,145	179,982	179,982	3%
99131	Dun Laoghaire	591	272	6,137	5,120	13,820	120%	550	256	6,439	179,982	179,982	4%
99130	Salthill and Monkstown	339	112	6,364	5,120	13,820	124%	415	106	6,747	179,982	179,982	4%
99129	Seapoint	228	27	6,565	5,120	13,820	128%	271	25	6,994	179,982	179,982	4%
99128	Blackrock	321	425	6,461	5,120	13,820	126%	400	346	7,048	179,982	179,982	4%
99127	Boooterstown	345	303	6,503	5,120	13,820	127%	450	309	7,189	179,982	179,982	4%
99126	Sydney Parade	233	329	6,406	5,120	13,820	125%	292	426	7,054	179,982	179,982	4%
99188	Sandy Mount	98	320	6,184	5,120	13,820	121%	156	260	6,950	179,982	179,982	4%
99125	Lansdowne Road	405	422	6,168	5,120	13,820	120%	468	403	7,015	179,982	179,982	4%
99110	Grand Canal Dock	271	861	5,578	8,192	22,112	68%	386	879	6,522	319,968	319,968	2%
99150	Pearse	259	1,338	4,504	8,192	22,112	55%	344	1,253	5,612	319,968	319,968	2%
99124	Tara Street	874	1,880	3,498	8,192	22,112	43%	951	2,165	4,398	319,968	319,968	1%
99100	Connolly Rail	2,564	999	5,064	10,262	27,028	49%	1,965	849	5,513	321,298	322,348	2%
99109	Clontarf Road	35	315	2,092	5,500	14,500	38%	85	351	2,279	160,364	160,664	1%
99101	Killesher	41	293	1,841	5,500	14,500	33%	104	348	2,036	160,364	160,664	1%
99102	Harcross	28	152	1,717	5,500	14,500	31%	64	167	1,333	160,364	160,664	1%
99103	Raheny	34	349	1,402	5,500	14,500	25%	96	376	1,653	160,364	160,664	1%
99104	Kilbarrack	11	110	1,303	5,500	14,500	24%	37	178	1,513	160,364	160,664	1%
99105	Howth Junction	377	300	1,380	7,036	18,646	20%	241	115	1,638	161,500	164,810	1%
99187	Clongriffin / Grange Road	69	152	1,096	3,964	10,354	28%	266	212	1,563	160,364	160,664	1%
99111	Portmarnock	130	96	1,130	3,964	10,354	28%	111	133	1,541	160,364	160,664	1%
99112	Malahide	173	396	906	2,428	6,208	37%	163	417	1,287	160,364	160,664	1%
99113	Donabate	101	291	715	2,428	6,208	29%	89	278	1,098	160,364	160,664	1%
99114	Rush and Lusk	65	101	680	2,428	6,208	28%	61	187	971	160,364	160,664	1%
99115	Skerries	71	117	634	2,428	6,208	26%	79	233	818	160,364	160,664	1%
99116	Balbriggan	83	185	533	2,428	6,208	22%	99	304	612	160,364	160,664	0%
99117	Gormanston	48	42	538	2,428	6,208	22%	37	66	583	160,364	160,664	0%
99119	Laytown	57	66	529	2,428	6,208	22%	59	99	543	160,364	160,664	0%
99120	Draghda	173	371	331	1,120	3,322	30%	168	453	259	1,120	3,322	23%
		14,434	12,550					15,018	12,163				



Service Group: NorthDART NB  
 Chart Title: PM Peak Hr - NorthDART NB

Service Group2: MayDART SB    Service Group3: Commuter Northern Line NB

Node	Station	2043 Do Committed-AAB						2043 Unlimited-AAH					
		2043 Do Committed-AAB Board	2043 Do Committed-AAB Alight	2043 Do Committed-AAB Dep. Load	2043 Do Committed-AAB Seated Capacity	2043 Do Committed-AAB Crush Capacity	2043 Do Committed-AAB Loading Ratio	2043 Unlimited-AAH Board	2043 Unlimited-AAH Alight	2043 Unlimited-AAH Dep. Load	2043 Unlimited-AAH Seated Capacity	2043 Unlimited-AAH Crush Capacity	2043 Unlimited-AAH Loading Ratio
99141	Greystones	0	1,666	0	0	0	0%	0	1,146	0	0	0	0%
99140	Bray	116	487	1,600	2,560	6,910	62%	127	763	1,117	99,990	99,990	1%
99416	Woodbrook	46	109	2,091	3,584	9,674	58%	58	208	1,921	179,982	179,982	1%
99136	Shankill	62	134	2,223	3,584	9,674	62%	89	191	2,192	179,982	179,982	1%
99135	Kilney	27	69	2,358	3,584	9,674	66%	39	92	2,398	179,982	179,982	1%
99134	Dalkey	139	158	2,499	3,584	9,674	70%	183	167	2,600	179,982	179,982	1%
99133	Glensageary	94	144	2,644	3,584	9,674	74%	122	164	2,776	179,982	179,982	2%
99132	Sandyrove	134	113	2,775	3,584	9,674	77%	138	121	2,945	179,982	179,982	2%
99131	Dun Laoghaire	521	591	3,175	5,120	13,820	62%	508	232	3,360	179,982	179,982	2%
99130	Salthill and Monkstown	156	109	3,338	5,120	13,820	65%	171	145	3,577	179,982	179,982	2%
99129	Seapoint	59	71	3,444	5,120	13,820	67%	62	100	3,715	179,982	179,982	2%
99128	Blackrock	505	180	3,801	5,120	13,820	74%	492	246	4,114	179,982	179,982	2%
99127	Boaterstown	437	148	4,094	5,120	13,820	80%	434	236	4,504	179,982	179,982	3%
99126	Sydney Parade	376	158	4,381	5,120	13,820	86%	548	227	5,026	179,982	179,982	3%
99188	Sandymount	298	70	4,583	5,120	13,820	90%	460	107	5,467	179,982	179,982	3%
99125	Lansdowne Road	816	238	5,100	5,120	13,820	100%	545	285	5,814	179,982	179,982	3%
99110	Grand Canal Dock	2,411	238	7,086	7,168	19,348	99%	2,642	232	8,091	259,974	259,974	3%
99150	Pease	3,543	279	9,852	8,192	22,112	120%	3,413	231	10,804	319,968	319,968	3%
99124	Tara Street	4,977	957	13,167	8,192	22,112	161%	5,121	797	14,401	319,968	319,968	5%
99100	Connolly Rail	4,315	2,207	15,518	8,572	22,792	181%	4,176	1,324	17,305	320,348	320,348	5%
99109	Clontarf Road	210	405	13,639	5,500	14,500	248%	568	519	15,193	160,364	160,664	9%
99101	Killesher	50	897	12,792	5,500	14,500	233%	177	1,167	14,204	160,364	160,664	9%
99102	Harmonstown	27	545	12,274	5,500	14,500	223%	83	626	13,661	160,364	160,664	9%
99103	Raheny	52	1,046	11,280	5,500	14,500	205%	172	1,260	12,572	160,364	160,664	8%
99104	Kilbarrack	7	564	10,723	5,500	14,500	195%	53	917	11,708	160,364	160,664	7%
99105	Howth Junction	714	1,308	10,129	7,036	18,646	144%	456	651	11,514	161,500	164,810	7%
99187	Clongriffin / Grange Road	15	1,606	8,035	3,964	10,354	203%	115	2,023	9,274	160,364	160,664	6%
99111	Portmarnock	47	763	7,319	3,964	10,354	185%	35	922	8,377	160,364	160,664	5%
99112	Malahide	192	1,106	6,404	2,428	6,208	264%	224	1,081	7,530	160,364	160,664	5%
99113	Donabate	98	702	5,800	2,428	6,208	239%	138	741	6,927	160,364	160,664	4%
99114	Rush and Lusk	29	688	5,141	2,428	6,208	212%	38	801	6,163	160,364	160,664	4%
99115	Skerries	64	498	4,706	2,428	6,208	194%	94	744	5,513	160,364	160,664	3%
99116	Balbriggan	112	732	4,087	2,428	6,208	168%	137	1,063	4,587	160,364	160,664	3%
99117	Gormanston	25	209	3,903	2,428	6,208	161%	24	275	4,335	160,364	160,664	3%
99119	Laytown	22	554	3,371	2,428	6,208	139%	31	698	3,668	160,364	160,664	2%
99120	Drogheda	281	2,523	1,120	1,120	3,322	101%	470	3,248	890	1,120	3,322	79%
		20,980	21,853					22,140	23,749				

