

A photograph of a busy Wellington street. In the foreground, a white car is driving towards the camera. To its left, a grey car is also visible. In the background, a green bus with 'Dunedin Park' on its destination sign is driving. Further back, a blue truck and a white van are visible. The street is lined with traffic lights and signs. In the background, a hillside is covered with many colorful houses, and a large green hill rises behind them under a clear sky.

TN21 - WELLINGTON TRANSPORT ANALYTICAL TOOLS 2019-23 UPDATE – TIME PERIODS AND VEHICLE OCCUPANCY MODELS

PREPARED FOR GREATER WELLINGTON REGIONAL COUNCIL

May 2023

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QUALITY STATEMENT

| | | | |
|------------------------------|-------------------------------------|---|------------------|
| PROJECT MANAGER | Ali Siddiqui | PROJECT TECHNICAL LEAD | Julie Ballantyne |
| PREPARED BY | Geoffrey Cornelis, Julie Ballantyne |  <i>Julie Ballantyne.</i> | 17/05/2023 |
| CHECKED BY | Geoffrey Cornelis, Julie Ballantyne |  <i>Julie Ballantyne.</i> | 17/05/2023 |
| REVIEWED BY | Julie Ballantyne | <i>Julie Ballantyne.</i> | 17/05/2023 |
| APPROVED FOR ISSUE BY | Julie Ballantyne | <i>Julie Ballantyne.</i> | 17/05/2023 |

CHRISTCHURCH

Hazeldean Business Park, 2 Hazeldean Road, Addington, Christchurch 8024
 PO Box 13-052, Armagh, Christchurch 8141
 TEL +64 3 366 7449, FAX +64 3 366 7780

REVISION SCHEDULE

| Rev No. | Date | Description | Signature or Typed Name (documentation on file) | | | |
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Greater Wellington Regional Council

TN21 - Wellington Transport Analytical Tools 2019-23 update – time periods and vehicle occupancy models

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1. Introduction

This technical note is part of a series documenting the 2019-2021 update of components of the Wellington Regional Transportation Planning Analytical Tools ("Analytical Tools", "Tools"). The higher-level Analytical Tools are maintained and operated by Greater Wellington Regional Council (GWRC), who are the client for this project. This project is being primarily delivered by Stantec and Jacobs, supported by GWRC transport planners.

Time periods relate to the assignment of vehicles to the road network and persons to the public transport system, with other components of the model (trip production, distribution, modal choice) calculated at a daily level. Time periods were analysed, reported in Technical Note 2, and subsequently agreed with the Client. The time periods for the updated model are tabulated below.

Table 1-1: Time Period Definitions

| Period | Hours |
|----------------|---------|
| AM peak (AM) | 6-9am |
| Interpeak (IP) | 9am-3pm |
| PM peak (PM) | 3-6pm |
| Overnight (ON) | 6pm-6am |

This technical note covers:

- The factors to convert daily demand in production-attraction format to time period by origin-destination reflecting the direction of travel, in preparation for assignments, undertaken separately by mode and purpose.
- The occupancy factors applied to private vehicles demand to convert person trips to vehicles trips.
- Factoring from AM and PM peak periods to peak hour and residual for the vehicle assignment and the public transport assignment.

2. Daily to Time Periods Factoring

2.1 Data source and processing

The Ministry of Transport Household Travel Survey (HTS) was used to calculate the factors to convert 24hr demand into origin-destination trips per time periods. Expanded trips were used.

All trips in the HTS were first allocated to the four time periods. Initial approaches tested included using the trip start time, end time or mid-point time.

The adopted approach uses both the start and end time and rather than allocate each trip to a single time period, it allocates the proportion of the trip within each period. As an example, a trip leaving at 8:45am and arriving at 9:30am would have 15 minutes in the AM peak and 30 minutes in the Interpeak. The allocation is therefore 33% AM peak and 66% Interpeak and these factors are applied to the expanded trip numbers to allot them into these two time periods.

This approach was used as it was deemed to be a better representation of vehicle hours travelled on the network during each time period rather than using a single point in time for each trip.

Trips were then allocated the following variables:

- Time period: AM, IP, PM, ON
- Mode: private vehicles (including car drivers and passengers) and public transport
- Purpose:
 - Home-based work (HBW)
 - Home-based education (HBE)
 - Home-based shopping (HBS)

- Home-based other (HBO)
- Non home-based (NHB)
- Business (BSN)

In addition for home-based trips relating to work, education, shopping and other, the directionality of the trip was also included, i.e. with the trip being either from home or to home. As an example, in the case of HBW, these were split into 'home to work' (HTW) and 'work to home' (WTH). This is not necessary for non-home based and business trips as these already include the directionality.

Finally the trips were also allocated a sector for both their origin and destination. This is to be able to capture the difference in trip timings observed from and to various parts of the Wellington region. A compromise had to be found balancing a suitable level of detail to effectively represent these differences, while ensuring a sufficient HTS sample size for the various combinations of time periods, modes and purposes. A number of sectoring systems were tested and this resulted in 4 sectors being used:

- Wellington Central
- Rest of Wellington City
- Hutt Valley and Wairarapa
- Porirua City and Kapiti Coast District

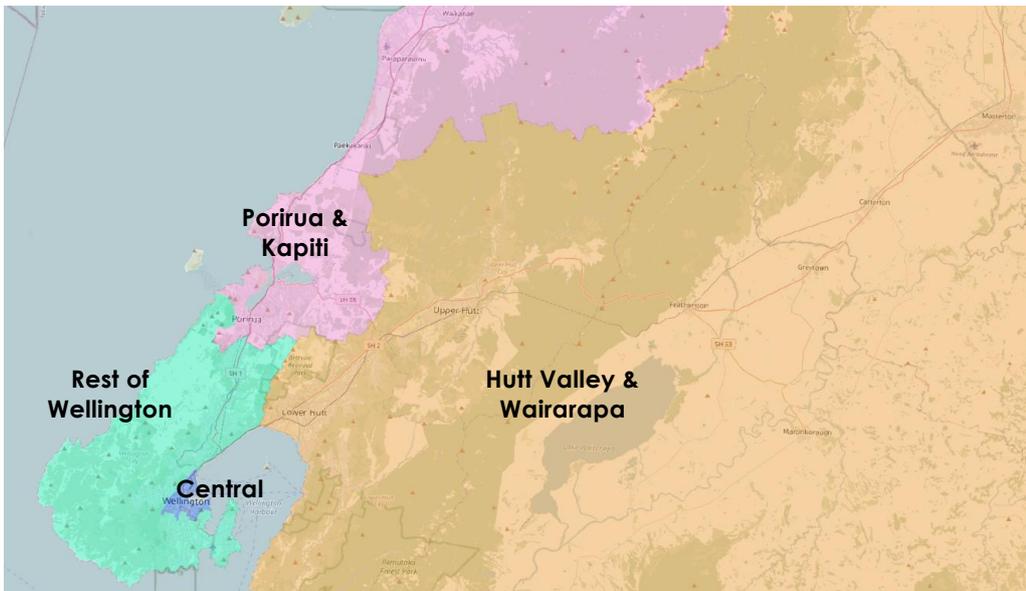


Figure 2-1: Sectors for time period factoring

2.2 Factors calculation

The time period factors are used both to convert 24hr matrices from the demand model into matrices by period, and converting them from production-attraction format into origin-destination (for home-based purposes, as Non-Home Based and Business are already in origin-destination format), thereby reflecting the direction of travel in each time period.

The factors are also applied to factor generalised costs by time periods to daily costs, using the reverse process.

The approach used is as follows, and carried out separately for each time period, purpose and mode:

- The daily demand matrix in production-attraction format is calculated from the HTS using the 4 sectors above, resulting in a 4x4 matrix.
- The 'home to' and 'to home' demand matrices are produced in the same way for the time period, in origin-destination format.

- 'Home to' factors are obtained by dividing the 'home to' period demand matrix by the daily demand matrix.
- 'To home' factors are obtained by dividing the 'to home' period demand matrix by the transposed daily demand matrix.

For non-home purposes (NHB and BSN) a single matrix of factors is produced per time period as these purposes already include directionality.

The resulting 4x4 matrices are percentages that will be applied to the 24hr production-attraction demand matrices produced by the demand model to convert them into time period origin-destination matrices prior to the assignments.

2.3 Factors infilling

While this level of disaggregation by mode, purpose and geographical areas was adopted to provide a sufficient level of details overall, it still resulted in some demand segments with no or insufficient observed data.

To solve this issue the following infilling process was applied to each 4x4 factor matrices:

- Step 1: In addition to time factors for each cell of a 4x4 matrix, the average time factors for each origin and destination sector (i.e. for each column and line of the matrix) as well as for the whole matrix were calculated.
- Step 2: if it was found that an origin or destination sector totals did not have a sufficient sample, the whole matrix average time factor was used instead.
- Step 3: then for any cell in the 4x4 matrix with no observed data or insufficient sample, the weighted average of the origin and destination sectors time factors were used.

This approach allows the 4-sector disaggregation to be used when sufficient data is available, while using more aggregate data to deal with cases where the sample is too small. This is a more systemic way than manually adjusting and aggregating demand segments where needed, and was therefore deemed more transparent.

Some of the factors were adjusted during the model calibration where comparison with observed patterns (from traffic counts or public transport ticketing) indicated that modelled daily volumes at specific locations or across screenlines were correct, but not per time periods. In these cases, manual adjustments were made, ensuring that the adjusted factors were sensible and totalling to 1 for the whole day for each 4x4 cell.

The resulting factors were sense checked and are included in Appendix B.

3. Person to Vehicles Trips Factoring

The approach to convert light vehicle travel demand from person to vehicle trips is similar to the derivation of time factors, using occupancy factors based on observed patterns from the HTS.

Light vehicle person trips are calculated by summing up car driver and car passenger trips. These are then divided by car driver trips to obtain average occupancy, with this calculation applied separately by time period, trip purpose and origin and destination sectors.

An initial analysis was carried out to determine if separate factors needed to be produced by purpose, time period, and direction (for home-based purposes). Results showed that vehicles occupancies do vary sufficiently by time periods and purposes to warrant separate factors, however they did not show much variation by direction for home-based trips related to work and shopping, and the same factors were therefore used for both directions for these purposes.

Regarding variations by sectors, it was found that while there is some geographical differentiation for some demand segments, occupancies are generally more consistent than time period factors.

In most cases, a single factor was calculated for the whole matrix for a demand segment, but for some segments different factors were calculated by sector origin-destination. Three sectors were sufficient to capture most of the variation, these being:

- Wellington Central
- Rest of Wellington
- Rest of Region (including both Hutt Valley & Wairarapa and Porirua & Kapiti)

Some of these sectors were in some cases aggregated together when no significant variation was observed.

It must be noted that the occupancies are in all cases implemented in the model using the same four sectors as time period factors for consistency and to simplify the calculations in the model. However, occupancies for sector 3 (Hutt Valley and Wairarapa) and sector 4 (Porirua and Kapiti) are identical, as are occupancies for other sectors when these are aggregated.

The resulting occupancy matrices are included in Appendix C.

4. Peak Period to Peak Hour – Private Vehicles

4.1 Background

The specification for the updated Analytical Tools is documented in Technical Note 17. In this, we recommended a specific "peak hour" assignment for the AM and PM periods and a "shoulder" assignment covering the residual demand in the period. The interpeak (IP) and overnight (ON) assignments will be the average hour of the full peak period.

Validation of the Demand Model will focus on the full peak period (peak hour and shoulder combined). For the separate road assignment model (WTAM, Wellington Traffic Assignment Model), the validation will be for the peak hour and the shoulder/average period separately.

This section provides analysis to determine the peak hour and residual/shoulder period for the AM and PM peak periods. The following data sources were used, all of which were collated for the model development:

- Travel times along specific routes
- Traffic counts
- Demand from the Household Travel Survey (HTS)

The AM peak is assessed first, followed by the PM peak.

4.2 AM Peak

4.2.1 Analysis of AM Travel Times

Observed travel times (minutes) on eight routes were available for each hour and are tabulated below. More information of the routes and the data processing can be found in Technical Note 4.

It is noted that the travel time routes are specified for the strategic transport model and hence focus on state highways, arterial roads, and high traffic carrying routes rather than local/residential travel.

The travel times have been shaded to show:

- Red, where a distinct peak hour exists in terms of longest travel time (defined as more than five minutes to the adjacent hour)
- Orange, where two hours have very similar travel times (defined as within five minutes)
- Green, where travel time in an hour is within two minutes of the next hour, and travel times do not vary notably over the three hours

While a total is included to assist with identifying the busiest hour, it is not a meaningful statistic on its own.

Table 4-1: AM Peak Observed Travel Times by Period

| Route | Direction | Route Description | Travel Time, Minutes | | | |
|--------------|-----------|--|----------------------|-------|-------|-------|
| | | | 6-9am | 6-7am | 7-8am | 8-9am |
| Route1 | NB | Wellington Airport - North of Masterton | 112 | 101 | 109 | 125 |
| | SB | North of Masterton - Wellington Airport | 129 | 111 | 137 | 138 |
| Route2A | NB | Island Bay (via Waterfront) - Paekakariki | 54 | 51 | 53 | 56 |
| | SB | Paekakariki - Island Bay (via Waterfront) | 69 | 56 | 76 | 75 |
| Route3 | NB | Centreport - Seaview | 18 | 17 | 18 | 19 |
| | SB | Seaview - Centreport | 35 | 23 | 41 | 41 |
| Route4 | NB | Wellington Station (via Hutt Road) - Newlands | 15 | 14 | 14 | 16 |
| | SB | Newlands - Wellington Station (via Hutt Road) | 20 | 13 | 20 | 28 |
| Route5 | EB | Karori - Miramar (via Waterfront and Evans Bay) | 32 | 26 | 30 | 40 |
| | WB | Miramar (via Waterfront and Evans Bay) - Karori | 34 | 29 | 32 | 40 |
| Route6 | EB | Waterfront (via Kilbirnie, Newtown and Wallace Street) - Airport | 18 | 17 | 18 | 20 |
| | WB | Airport - Waterfront (via Kilbirnie, Newtown and Wallace Street) | 19 | 16 | 17 | 25 |
| Route7 | EB | Wellington Station (via Taranaki St, Waterfront) - Seatoun | 20 | 19 | 20 | 22 |
| | WB | Seatoun - Wellington Station (via Taranaki St, Waterfront) | 28 | 19 | 25 | 39 |
| Route8 | EB | Paremata - Haywards | 14 | 13 | 14 | 14 |
| | WB | Haywards - Paremata | 16 | 13 | 16 | 18 |
| TOTAL | | | 633 | 538 | 641 | 718 |

In terms of travel times on the 16 directional routes:

- Six of 16 indicate the busiest hour is 8-9am
- Five of 16 indicate 7-9am are similarly busy
- Five routes show almost no variation over the three hour period

Congested speeds from Google are shown below. The graphic on the left is 6am, followed by 7am, then 8am on a typical Wednesday. Visually, this appears to support that 8am is generally the busiest hour.

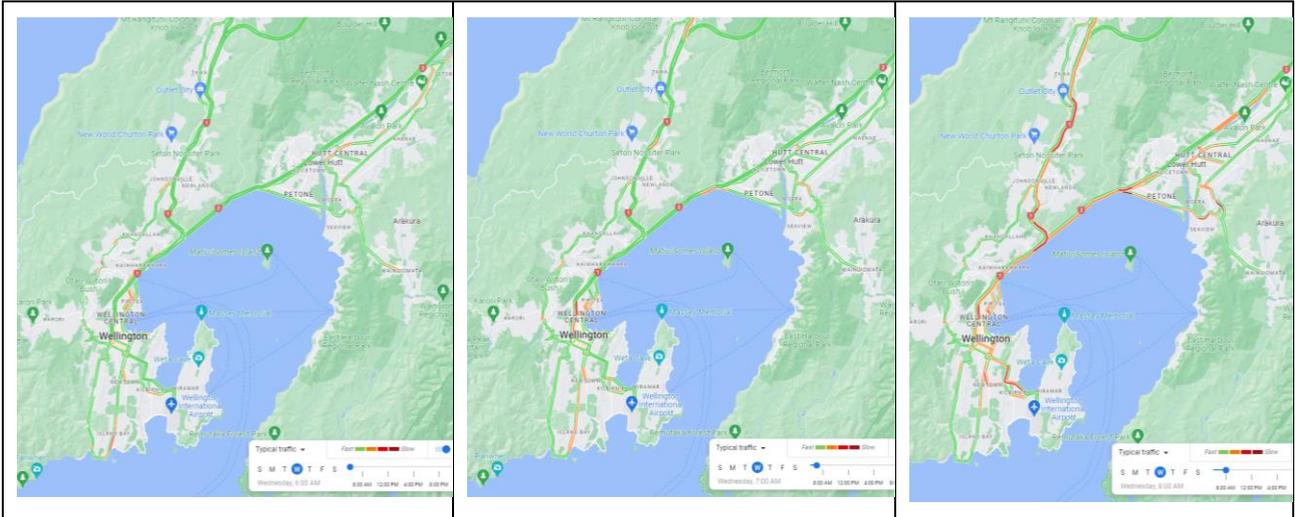


Figure 4-1: Google congested speeds, AM peak

4.2.2 Analysis of AM Traffic Counts

Screenlines were grouped into nine geographic areas which are listed below. Again, the majority of screenlines intercept longer distance as well as local trips. In many cases, the longer distance trips on the state highway and arterial route network will have higher volumes and dominate the traffic flows on the screenlines by hour.

Table 4-2: Screenline Groupings

| Screenline Name | Screenline Number | Screenline Area |
|--------------------|-------------------|-----------------|
| Wairarapa South | C1 | Wairarapa |
| Wairarapa North | C2 | Wairarapa |
| External | E | External |
| Kapiti North | K1 | Kapiti |
| Kapiti South | K2 | Kapiti |
| Lower Hutt South | L1 | Lower Hutt |
| Lower Hutt North | L2 | Lower Hutt |
| Lower Hutt Central | L3 | Lower Hutt |
| Lower Hutt East | L4 | Lower Hutt |
| Off-Screenline | O | Other |
| Port | P | Other |
| Porirua North | P1 | Porirua |
| SH58 | P2 | Porirua |
| Porirua South | P3 | Porirua |
| Pukerua Bay | P4 | Porirua |
| Upper Hutt North | U1 | Upper Hutt |
| Upper Hutt South | U2 | Upper Hutt |
| Remutaka | U3 | Upper Hutt |
| Upper Hutt Central | U4 | Upper Hutt |
| CBD South | W1A | CBD |
| CBD North | W1B | CBD |
| CBD West | W1C | CBD |
| CBD East | W1D | CBD |
| Miramar Peninsula | W2 | Wellington Rest |
| Karori | W3 | Wellington Rest |
| Kaiwharawhara | W4 | Wellington Rest |

| Screenline Name | Screenline Number | Screenline Area |
|------------------|-------------------|-----------------|
| Churton Park | W5 | Wellington Rest |
| South Wellington | W6 | Wellington Rest |
| Tawa | W7 | Wellington Rest |
| North Wellington | W8 | Wellington Rest |
| Thorndon | W9 | Wellington Rest |
| CBD Lambton | W10 | CBD |
| CBD Te Aro | W11 | CBD |
| CBD Mount Cook | W12 | CBD |

Traffic counts on the screenlines have been aggregated to these nine areas and are shown in [Table 4-3](#). While grouping could have been by high versus low volume roads to try and differentiate longer from short trips, this would require more judgement and was not required for the AM peak period.

The aggregated traffic counts have been shaded to show:

- Red, where a peak hour exists. Defined as five percentage points different to the previous hour
- Orange, where two hours have very similar flows (defined as less than five percentage point difference)
- Green, where counts do not vary notably over the whole three hour period

Table 4-3: AM Peak Observed Traffic Counts by Period

| Area | Traffic Count | | | | Proportion of Period | | |
|-----------------|---------------|--------|---------|---------|----------------------|-------|-------|
| | 6-9am | 6-7am | 7-8am | 8-9am | 6-7am | 7-8am | 8-9am |
| Wairarapa | 4,774 | 887 | 1,799 | 2,087 | 19% | 38% | 44% |
| External | 2,681 | 591 | 962 | 1,128 | 22% | 36% | 42% |
| Kapiti | 9,408 | 2,582 | 3,197 | 3,629 | 27% | 34% | 39% |
| Lower Hutt | 52,330 | 12,004 | 20,004 | 20,322 | 23% | 38% | 39% |
| Porirua | 30,430 | 8,153 | 11,005 | 11,272 | 27% | 36% | 37% |
| Upper Hutt | 26,628 | 6,687 | 9,906 | 10,035 | 25% | 37% | 38% |
| CBD | 99,968 | 20,051 | 37,632 | 42,286 | 20% | 38% | 42% |
| Wellington Rest | 82,345 | 19,803 | 31,484 | 31,059 | 24% | 38% | 38% |
| Other | 5,465 | 956 | 2,189 | 2,319 | 17% | 40% | 42% |
| TOTAL | 314,029 | 71,713 | 118,178 | 124,137 | 23% | 38% | 40% |

In terms of traffic flows in the nine areas:

- Four of nine indicate the busiest hour is 8-9am
- Five of nine indicate 7-9am are similarly busy
- None indicate that 6-7am is similar to 7-8am in terms of traffic volume

4.2.3 Analysis of AM Demand

The final dataset examined was the vehicle demand matrices built from the Household Travel Survey. The trips below are from the expanded sample.

The demand (origin-destination format) has been aggregated to six geographic sectors.

The same approach to colour shading has been used. The highest demand in any of the three hours for each movement is shaded red, orange denotes similar flows across two hours, and green when all three hours have similar volumes. Grey shading is where the sample/flow was considered too low to make a robust choice between the three hours, with no single hour selected.

Table 4-4: AM Peak HTS Expanded Vehicle Trips

| 6-7am | CBD | Hutt Valley | Kapiti | North Wellington/Porirua | Wairarapa | Wellington | Total |
|---------------------------------|---------------|---------------|--------------|--------------------------|---------------|---------------|----------------|
| CBD | 354 | 122 | 0 | 93 | 25 | 233 | 827 |
| Hutt Valley | 1,000 | 5,977 | | 1,202 | 0 | 735 | 8,914 |
| Kapiti | 531 | 60 | 1,861 | 199 | 56 | 46 | 2,753 |
| North Wellington/Porirua | 741 | 911 | 30 | 2,662 | | 567 | 4,911 |
| Wairarapa | 27 | 72 | | 7 | 1,473 | 175 | 1,755 |
| Wellington | 1,061 | 106 | 0 | 0 | 0 | 2,750 | 3,917 |
| Total | 3,714 | 7,248 | 1,891 | 4,164 | 1,554 | 4,505 | 23,077 |
| 7-8am | CBD | Hutt Valley | Kapiti | North Wellington/Porirua | Wairarapa | Wellington | Total |
| CBD | 1,274 | 363 | 0 | 127 | 27 | 828 | 2,618 |
| Hutt Valley | 2,048 | 17,623 | | 687 | 11 | 387 | 20,755 |
| Kapiti | 180 | 219 | 5,516 | 748 | 15 | 62 | 6,740 |
| North Wellington/Porirua | 1,328 | 922 | 143 | 9,990 | | 1,091 | 13,474 |
| Wairarapa | 119 | 282 | | 39 | 4,851 | 2 | 5,292 |
| Wellington | 3,736 | 934 | 0 | 874 | 78 | 6,054 | 11,676 |
| Total | 8,686 | 20,343 | 5,659 | 12,463 | 4,982 | 8,423 | 60,556 |
| 8-9am | CBD | Hutt Valley | Kapiti | North Wellington/Porirua | Wairarapa | Wellington | Total |
| CBD | 4,155 | 403 | 48 | 782 | 0 | 2,166 | 7,554 |
| Hutt Valley | 3,325 | 31,189 | | 1,843 | 10 | 234 | 36,601 |
| Kapiti | 290 | 0 | 8,611 | 335 | 0 | 39 | 9,275 |
| North Wellington/Porirua | 1,624 | 1,235 | 0 | 18,027 | | 1,226 | 22,112 |
| Wairarapa | 197 | 46 | | 3 | 10,644 | 0 | 10,890 |
| Wellington | 7,109 | 615 | 27 | 1,017 | 128 | 12,215 | 21,111 |
| Total | 16,700 | 33,489 | 8,686 | 22,006 | 10,783 | 15,879 | 107,543 |

It is clear that 8-9am is the busiest hour – overall, for all trips coming to and from each of the six sectors, and for the majority of the movements.

4.2.4 Comparison of AM Metrics

Combining all of this data together, 8-9am is generally the busiest hour, with the two hours from 7am to 9am being similarly busy based on the traffic counts and travel times.

Table 4-5: AM Peak Summary

| | AM | | | Total |
|--------------------------|-------|-------|-------|-------|
| | 6-7am | 7-8am | 8-9am | |
| Travel Times | 0 | 0 | 6 | 16 |
| | | 5 | | |
| | | 5 | | |
| Traffic Counts | 0 | 0 | 4 | 9 |
| | | 5 | | |
| | | 0 | | |
| HTS Demand | 2 | 3 | 24 | 49 |
| | | 6 | | |
| | | 0 | | |
| HTS, Insufficient Sample | | 14 | | |

It is recommended that the AM peak hour is 8-9am with a two hour average shoulder period from 6-8am.

4.3 PM Peak

The PM peak is less clear cut than the AM peak, with all three datasets indicating each hour is similarly busy.

The travel times, traffic counts, and vehicle demand from the HTS are assessed below.

4.3.1 Analysis of PM Travel Times

The observed travel times (minutes) on the eight directional routes are tabulated below.

As for the AM peak, the travel times have been shaded to show:

- Red, where a distinct peak hour exists in terms of longest travel time (defined as more than two minutes to the adjacent hour)
- Orange, where two hours have very similar travel times (defined as within two minutes)
- Green, where travel time in an hour is within two minutes of the next hour, and travel times do not vary notably over the three hours

Table 4-6: PM Peak Observed Travel Times by Period

| Route | Direction | Route Description | Travel Time, Minutes | | | |
|---------|-----------|---|----------------------|-------|-------|-------|
| | | | 3-6pm | 3-4pm | 4-5pm | 5-6pm |
| Route1 | NB | Wellington Airport - North of Masterton | 124 | 116 | 129 | 127 |
| | SB | North of Masterton - Wellington Airport | 116 | 117 | 114 | 116 |
| Route2A | NB | Island Bay (via Waterfront) - Paekakariki | 72 | 58 | 74 | 83 |
| | SB | Paekakariki - Island Bay (via Waterfront) | 60 | 55 | 59 | 66 |
| Route3 | NB | Centreport - Seaview | 24 | 20 | 26 | 27 |
| | SB | Seaview - Centreport | 18 | 18 | 18 | 19 |

| Route | Direction | Route Description | Travel Time, Minutes | | | |
|--------------|-----------|--|----------------------|------------|------------|------------|
| | | | 3-6pm | 3-4pm | 4-5pm | 5-6pm |
| Route4 | NB | Wellington Station (via Hutt Road) - Newlands | 15 | 15 | 15 | 16 |
| | SB | Newlands - Wellington Station (via Hutt Road) | 15 | 14 | 15 | 15 |
| Route5 | EB | Karori - Miramar (via Waterfront and Evans Bay) | 32 | 30 | 31 | 34 |
| | WB | Miramar (via Waterfront and Evans Bay) - Karori | 39 | 36 | 38 | 43 |
| Route6 | EB | Waterfront (via Kilbirnie, Newtown and Wallace Street) - Airport | 23 | 22 | 22 | 23 |
| | WB | Airport - Waterfront (via Kilbirnie, Newtown and Wallace Street) | 25 | 23 | 28 | 24 |
| Route7 | EB | Wellington Station (via Taranaki St, Waterfront) - Seatoun | 25 | 23 | 24 | 26 |
| | WB | Seatoun - Wellington Station (via Taranaki St, Waterfront) | 34 | 30 | 38 | 32 |
| Route8 | EB | Paremata - Haywards | 13 | 14 | 13 | 13 |
| | WB | Haywards - Paremata | 13 | 14 | 13 | 13 |
| TOTAL | | | 647 | 603 | 659 | 680 |

There is less variation between each hour in the PM peak. In terms of travel times on the 16 directional routes:

- Four of 16 indicate the busiest hour is 5-6pm, while two indicate 4-5pm
- Two of 16 indicate 4-6pm are similarly busy
- Eight routes show almost no variation over the three hour period

The analysis of travel times suggests 4-6pm is the busiest two hours, with 5-6pm just the busiest hour. This is entirely reliant on the location of each route and hence no clear pattern is evident.

Congested speeds from Google are shown below. The graphic on the left is 3pm, followed by 4pm, then 5pm on a typical Wednesday. Visually, this appears to support that 5pm is generally the busiest hour.

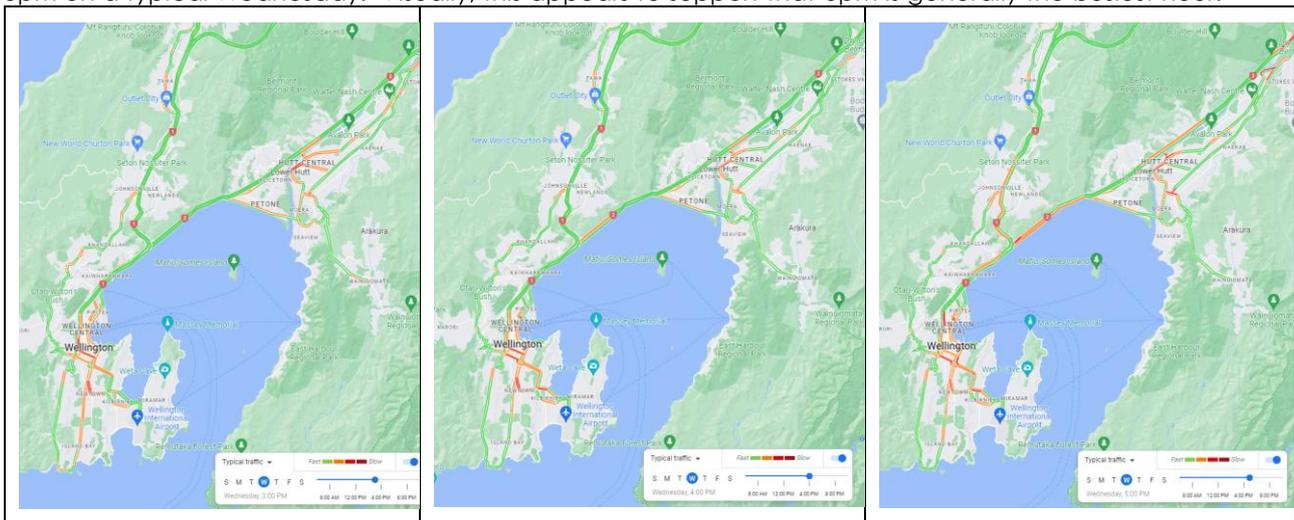


Figure 4-2: Google congested speeds, PM peak

4.3.2 Analysis of PM Traffic Counts

Evening peak traffic counts on screenlines are provided in the table below aggregated into the nine geographic areas.

As for the AM peak, the aggregated traffic counts have been shaded to show:

- Red, where a peak hour exists. Defined as five percentage points different to the previous hour
- Orange, where two hours have very similar flows (defined as less than five percentage point difference)
- Green, where counts do not vary notably over the whole three hour period

Table 4-7: PM Peak Observed Traffic Counts by Period

| Area | Traffic Count | | | | Proportion of Period | | |
|-----------------|---------------|---------|---------|---------|----------------------|-------|-------|
| | 3-6pm | 3-4pm | 4-5pm | 5-6pm | 3-4pm | 4-5pm | 5-6pm |
| Wairarapa | 6,950 | 2,190 | 2,402 | 2,359 | 32% | 35% | 34% |
| External | 4,205 | 1,382 | 1,460 | 1,363 | 33% | 35% | 32% |
| Kapiti | 12,487 | 4,030 | 4,335 | 4,122 | 32% | 35% | 33% |
| Lower Hutt | 65,240 | 19,342 | 23,151 | 22,748 | 30% | 35% | 35% |
| Porirua | 36,827 | 11,705 | 13,159 | 11,962 | 32% | 36% | 32% |
| Upper Hutt | 32,601 | 9,752 | 11,594 | 11,255 | 30% | 36% | 35% |
| CBD | 123,389 | 38,098 | 42,701 | 42,590 | 31% | 35% | 35% |
| Wellington Rest | 100,353 | 30,517 | 35,709 | 34,128 | 30% | 36% | 34% |
| Other | 6,777 | 1,974 | 2,307 | 2,497 | 29% | 34% | 37% |
| TOTAL | 388,829 | 118,989 | 136,818 | 133,023 | 31% | 35% | 34% |

Again, traffic flows in the PM peak are showing minimal variation from one hour to the next. In terms of flows in the nine areas:

- Zero indicate one hour is the busiest overall
- Four of nine indicate 4-6pm are similarly busy hours
- Five indicate that all three hours are similar in terms of traffic volume

4.3.3 Analysis of PM Demand

The expanded daily vehicle trips from the HTS are shown below for the three hours in the PM peak period. The trips have been aggregated to six sectors, and colour coded red, orange, green for a clear single peak hour, two peak hours, or all three hours being similar respectively. Grey represents an insufficient sample to draw conclusions.

Table 4-8: PM Peak HTS Expanded Vehicle Trips

| 3-4pm | CBD | Hutt Valley | Kapiti | North Wellington/Porirua | Wairarapa | Wellington | Total |
|---------------------------------|--------------|---------------|---------------|--------------------------|---------------|---------------|----------------|
| CBD | 3,308 | 1,620 | 179 | 584 | 36 | 2,880 | 8,606 |
| Hutt Valley | 782 | 33,175 | 90 | 678 | 46 | 716 | 35,486 |
| Kapiti | 0 | 64 | 9,376 | 187 | | 50 | 9,677 |
| North Wellington/Porirua | 567 | 796 | 867 | 18,305 | 0 | 844 | 21,379 |
| Wairarapa | 67 | 11 | 13 | 0 | 11,673 | | 11,763 |
| Wellington | 2,383 | 874 | 65 | 819 | 0 | 11,741 | 15,883 |
| Total | 7,106 | 36,540 | 10,591 | 20,574 | 11,755 | 16,230 | 102,794 |
| | | | | | | | |
| 4-5pm | CBD | Hutt Valley | Kapiti | North Wellington/Porirua | Wairarapa | Wellington | Total |
| CBD | 3,645 | 1,706 | 242 | 1,592 | 199 | 4,601 | 11,985 |
| Hutt Valley | 1,018 | 28,595 | 218 | 2,310 | 117 | 713 | 32,970 |
| Kapiti | 25 | 0 | 10,897 | 269 | | 24 | 11,215 |
| North Wellington/Porirua | 983 | 1,719 | 146 | 15,217 | 9 | 1,126 | 19,200 |
| Wairarapa | 74 | 0 | 38 | 0 | 9,802 | | 9,914 |
| Wellington | 1,725 | 835 | 62 | 979 | 43 | 10,180 | 13,824 |
| Total | 7,469 | 32,854 | 11,604 | 20,368 | 10,170 | 16,645 | 99,109 |
| | | | | | | | |
| 5-6pm | CBD | Hutt Valley | Kapiti | North Wellington/Porirua | Wairarapa | Wellington | Total |
| CBD | 5,051 | 2,304 | 311 | 2,010 | 330 | 6,348 | 16,354 |
| Hutt Valley | 849 | 27,761 | 128 | 723 | 323 | 602 | 30,386 |
| Kapiti | 20 | 107 | 9,275 | 116 | | 0 | 9,519 |
| North Wellington/Porirua | 463 | 1,235 | 679 | 16,079 | 41 | 1,029 | 19,525 |
| Wairarapa | 40 | 0 | 27 | 25 | 9,704 | | 9,796 |
| Wellington | 1,879 | 798 | 0 | 549 | 78 | 9,942 | 13,247 |
| Total | 8,302 | 32,205 | 10,420 | 19,502 | 10,475 | 17,922 | 98,826 |

The largest number of vehicle trips are in 3-4pm, however, this is closely followed by 4-5pm and then 5-6pm. The HTS reflects local and school-related trips more so than the traffic counts and travel times which are focused on strategic travel. This is evident when drivers and passengers are tabulated together (not reported for clarity) which showed 3-4pm was 13% higher than the other two hours in terms of persons-in-cars.

Considering the peak hour for each sector-to-sector movement (including the total, and row and column totals), while 3-4pm has 13 movements, the other two hours are similar (7 in 4-5pm and 9 in 5-6pm). Considering trips that are similar in two adjacent hours, again, there is a small but similar number of movements occurring in 3-5pm and 4-6pm.

The PM peak vehicle demand from the HTS indicates that the busiest hour in total is 3-4pm, closely followed by 4-5pm and then 5-6pm. Considering each sector-to-sector movement, these are shown to peak in different hours, with slightly more peak movements occurring 3-4pm.

4.3.4 Comparison of PM Metrics

A summary of the peak hour from the travel times, traffic counts, and HTS demands is provided in the table below.

Table 4-9: PM Peak Summary

| | PM | | | Total |
|--------------------------|-------|-------|-------|-------|
| | 3-4pm | 4-5pm | 5-6pm | |
| Travel Times | 0 | 2 | 4 | 16 |
| | | 2 | | |
| | 8 | | | |
| Traffic Counts | 0 | 0 | 0 | 9 |
| | | 4 | | |
| | 5 | | | |
| HTS Demand | 13 | 7 | 9 | 49 |
| | | 3 | | |
| | | 2 | | |
| | 3 | | | |
| HTS, Insufficient Sample | | 12 | | |

The data suggests that each hour in the PM peak period between 3pm and 6pm is similarly busy. The travel pattern data shows that the busiest hour in terms of total traffic is 3-4pm but this will be shorter trips including local and school-related travel. To be consistent with the approach for the AM peak, it was decided that a single peak hour should be identified and modelled rather than a two or three hour average. As the demand model is more likely to be applied to evaluate policy or strategic infrastructure, it is recommended that the longer distance strategic trips are the focus of the peak hour assessment. The travel times and traffic counts marginally indicate that 5-6pm is the busiest hour and hence this has been selected.

4.4 Recommended Peak Hour and Shoulder

The recommended clock-face time periods for the peak hour and shoulder/residual period for the AM and PM peaks is tabulated below.

Table 4-10: Recommended Hour and Shoulder durations

| Period | Peak Hour | Shoulder Period |
|--------|-----------|-----------------|
| AM | 8-9am | 6-8am |
| PM | 5-6pm | 3-5pm |

4.5 Peak period to peak hour factors

The factors to convert private vehicle demand matrices from peak period to peak hour were obtained using demands estimated for the Wellington Traffic Assignment Model (WTAM). For the WTAM morning and evening periods, period demands (3 hours) were simply factored to produce the peak hours and shoulder

periods, both of which were matrix estimated to traffic counts. The peak hour to period ratio adopted for WTSM uses proportions from these estimated WTAM demands (peak hour divided by peak hour plus shoulder period) on a four-sector basis. This replaced factors initially derived from the HTS which were not considered appropriate.

One adjustment was made to the peak hour factors calculated from the WTAM. In the morning peak hour, only 20% of trips were from Hutt Valley and Wairarapa to the Rest of Wellington which was a low outlier. This proportion was replaced by the overall proportion of trips from Hutt Valley and Wairarapa (40%).

It is noted that these factors were derived from WTAM demands that had not been finalised. However, the demands replicated traffic count validation to a suitable level and the factors were considered appropriate, more so than using the HTS.

The resulting matrices are shown in the following two tables, respectively for the AM and PM peak periods.

Table 4-11: Peak period to peak hour factors – AM Peak

| Sector | Wellington Central | Rest of Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|--------------------|--------------------|--------------------|------------------|------------------|
| Wellington Central | 50% | 56% | 46% | 48% |
| Rest of Wellington | 44% | 42% | 49% | 39% |
| Porirua & Kapiti | 31% | 29% | 41% | 40% |
| Hutt & Wairarapa | 34% | 40% | 36% | 42% |

Table 4-12: Peak period to peak hour factors – PM Peak

| Sector | Wellington Central | Rest of Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|--------------------|--------------------|--------------------|------------------|------------------|
| Wellington Central | 37% | 41% | 37% | 36% |
| Rest of Wellington | 35% | 34% | 32% | 32% |
| Porirua & Kapiti | 41% | 31% | 33% | 37% |
| Hutt & Wairarapa | 41% | 34% | 37% | 34% |

5. Peak Period to Peak Hour – Public Transport

5.1 Background

Similarly as for private vehicles, with the introduction of capacity constraint in the public transport assignment (i.e. crowding), it is necessary to reflect the busiest hour during each peak period, or “peak of the peak”. Otherwise and given the high proportion of public transport demand occurring within this peak hour, using the average demand over three hours would lead to an underestimation of the capacity issues on the network and experienced by most users.

Factors to convert the peak period demand into peak hour demand were calculated for both the AM and PM peaks. This was done for the whole demand and not separately per purpose due to the aim being to simply provide a better representation of peak crowding. Similarly this was not done by direction, public transport trips being very directional i.e. towards the CBD in the AM peak and from the CBD in the PM peak. Factors were however extracted separately for bus and rail as these demand segments will be assigned as separate classes and show reasonably different time profiles.

Due to the paucity of HTS data for public transport users and in order to better reflect levels of patronage on the PT network, data from bus electronic ticketing, rail automated door counts, and rail guard counts were used, providing a more accurate representation of demand profiles within the peak periods. More

information on these datasets can be found in 'TN15 – WPTM Update'. Results were however compared with the HTS for sense-checking and were found to be consistent.

5.2 Peak period to peak hour - Bus

Electronic ticketing data from the “Snapper” card system was used to determine the peak hour in terms of demand for the four sectors used in previous sections.

Unlike the road assignment, the aim of this factoring for public transport is not to represent a “real” or clock-face hour but rather to capture the peak conditions on the network as a whole, even if this peak may occur at different times in different catchments. Therefore boardings from electronic ticketing data were aggregated per sector and per boarding time using 15 minute increments. Given that most of the demand and a large majority of the congestion on the bus network occurs for trips in the peak direction from and to Wellington CBD, only the origin sector was used for the AM peak and the destination sector for the PM peak.

The tables below present the amount of trips boarding within an hour for each 15-minute increment, as a proportion of the whole peak period, respectively for the AM and PM peaks.

Table 5-1: Bus patronage profile – AM Peak, boarding time

| Sector | Hour starting | | | | | | | | | | | |
|---------------------------|---------------|------|------|------|------|------|------|------|------|------|------|------|
| | 6:00 | 6:15 | 6:30 | 6:45 | 7:00 | 7:15 | 7:30 | 7:45 | 8:00 | 8:15 | 8:30 | 8:45 |
| Wellington Central | 7% | 10% | 14% | 22% | 29% | 41% | 52% | 59% | 64% | 59% | 51% | 42% |
| Rest of Wellington | 10% | 15% | 23% | 33% | 44% | 53% | 55% | 54% | 47% | 37% | 29% | 21% |
| Hutt Valley and Wairarapa | 24% | 41% | 41% | 51% | 51% | 43% | 39% | 27% | 25% | 19% | 19% | 19% |
| Porirua and Kapiti | 18% | 28% | 37% | 45% | 50% | 50% | 46% | 39% | 32% | 26% | 21% | 16% |

Table 5-2: Bus patronage profile – PM Peak, boarding time

| Sector | Hour starting | | | | | | | | | | | |
|---------------------------|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 15:00 | 15:15 | 15:30 | 15:45 | 16:00 | 16:15 | 16:30 | 16:45 | 17:00 | 17:15 | 17:30 | 17:45 |
| Wellington Central | 27% | 30% | 30% | 31% | 33% | 36% | 40% | 41% | 40% | 35% | 29% | 25% |
| Rest of Wellington | 19% | 23% | 26% | 29% | 34% | 41% | 45% | 47% | 47% | 41% | 34% | 28% |
| Hutt Valley and Wairarapa | 28% | 32% | 31% | 35% | 34% | 37% | 42% | 40% | 38% | 35% | 27% | 26% |
| Porirua and Kapiti | 17% | 23% | 27% | 32% | 37% | 43% | 49% | 48% | 46% | 38% | 28% | 23% |

For the AM peak it is clear that the further from Wellington Central the origin is, the earlier the peak hour occurs. In all cases however, about 50-55% of the peak period demand occurs during the peak hour. Trips from Wellington Central tend to board later but have a higher proportion at 64% of total period demand within the peak hour.

For the PM peak, the time when the boarding peak hour occurs is more consistent, being 16:30-16:45 to all sectors. Proportions vary between 41% and 49%, with a peak less pronounced than in the AM peak.

These factors will therefore be applied to peak period bus demand matrices for each sector to convert to the peak hour matrices.

5.3 Peak period to peak hour - Rail

The same approach was used for rail demand, but using automated door counts and manual “high” counts (i.e. just before arriving to Wellington station for inbound services and just after leaving for outbound services).

For automated door counts, counts at Wellington Station itself were found to be too unreliable due to the high levels of passengers boarding or alighting. As a result, inbound boardings along the lines were summed up and used in the AM peak, and outbound alightings in the PM peak.

Guard counts only include the starting time of each service and not the time at which the count was carried out. For services running from Kapiti or the Wairarapa/Upper Hutt the starting time occurs significantly earlier in the AM peak than when crowded conditions start to appear on these services. On the other hand, outbound services in the PM peak will have the higher congestion directly out of Wellington station and will be well captured by the High counts. As a result of these disparities, the times between peak conditions vary between the two datasets.

Results for the automated door counts are shown in the following tables for each railway line, respectively for the AM and PM peaks.

Table 5-3: Rail patronage profile – AM Peak, automated door counts

| Railway line | Hour starting | | | | | | | | | | | |
|-------------------|---------------|------|------|------|------|------|------|------|------|------|------|------|
| | 6:00 | 6:15 | 6:30 | 6:45 | 7:00 | 7:15 | 7:30 | 7:45 | 8:00 | 8:15 | 8:30 | 8:45 |
| Hutt Valley Line | 13% | 20% | 28% | 36% | 44% | 47% | 45% | 40% | 32% | 25% | 20% | 14% |
| Kapiti Line | 18% | 21% | 31% | 35% | 42% | 44% | 39% | 37% | 28% | 23% | 19% | 13% |
| Johnsonville Line | 12% | 17% | 22% | 28% | 35% | 43% | 49% | 48% | 42% | 32% | 21% | 14% |

Table 5-4: Rail patronage profile – PM Peak, automated door counts

| Railway line | Hour starting | | | | | | | | | | | |
|-------------------|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 15:00 | 15:15 | 15:30 | 15:45 | 16:00 | 16:15 | 16:30 | 16:45 | 17:00 | 17:15 | 17:30 | 17:45 |
| Hutt Valley Line | 14% | 18% | 21% | 27% | 30% | 39% | 40% | 41% | 42% | 33% | 28% | 21% |
| Kapiti Line | 17% | 20% | 24% | 27% | 33% | 34% | 38% | 38% | 33% | 32% | 26% | 21% |
| Johnsonville Line | 19% | 21% | 20% | 20% | 26% | 27% | 33% | 37% | 36% | 35% | 29% | 24% |

Results for the manual high counts are shown in the following tables for each railway line, respectively for the AM and PM peaks.

Table 5-5: Rail patronage profile – AM Peak, high counts

| Railway line | Hour starting | | | | | | | | | | | |
|-------------------|---------------|------|------|------|------|------|------|------|------|------|------|------|
| | 6:00 | 6:15 | 6:30 | 6:45 | 7:00 | 7:15 | 7:30 | 7:45 | 8:00 | 8:15 | 8:30 | 8:45 |
| Hutt Valley Line | 19% | 28% | 38% | 46% | 49% | 48% | 43% | 29% | 27% | 18% | 9% | 5% |
| Kapiti Line | 34% | 34% | 39% | 56% | 42% | 40% | 34% | 22% | 18% | 15% | 9% | 6% |
| Johnsonville Line | 13% | 18% | 26% | 34% | 44% | 52% | 53% | 46% | 35% | 24% | 15% | 11% |

Table 5-6: Rail patronage profile – PM Peak, high counts

| Railway line | Hour starting | | | | | | | | | | | |
|-------------------|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 15:00 | 15:15 | 15:30 | 15:45 | 16:00 | 16:15 | 16:30 | 16:45 | 17:00 | 17:15 | 17:30 | 17:45 |
| Hutt Valley Line | 13% | 16% | 25% | 30% | 38% | 40% | 42% | 47% | 36% | 37% | 23% | 16% |
| Kapiti Line | 17% | 16% | 26% | 32% | 35% | 37% | 41% | 39% | 31% | 38% | 22% | 17% |
| Johnsonville Line | 20% | 18% | 23% | 21% | 26% | 31% | 38% | 40% | 39% | 35% | 27% | 22% |

As noted previously, the peak hour differs for each dataset, due to the different time definitions. However most of the actual peak hour proportions are similar, with the main exception being the Kapiti line in the AM peak.

Due to the manual high counts being more likely to capture the peak patronage directly before entering/after leaving Wellington station and accuracy issues with automated door counts, it is recommended to use proportions from the manual high counts.

These proportions can then be applied by sector with each railway line matching the sectors as follows:

- Hutt Valley Line: Hutt Valley and Wairarapa
- Kapiti Line: Porirua and Kapiti
- Johnsonville Line: Rest of Wellington

5.4 Peak period to peak hour factors

The resulting factors to convert public transport demand matrices from peak periods to peak hours are shown in the following table.

Table 5-7: Peak period to peak hour factors – Public transport

| | Bus | | Rail | |
|---------------------------|---------|---------|---------|---------|
| | AM Peak | PM Peak | AM Peak | PM Peak |
| Wellington Central | 64% | 41% | N/A | N/A |
| Rest of Wellington | 55% | 47% | 49% | 47% |
| Hutt Valley and Wairarapa | 51% | 42% | 56% | 41% |
| Porirua and Kapiti | 50% | 49% | 53% | 40% |



Appendices

Appendix A Client Comment and Consultant Response

A.1 Comments on Section 4 (issued in advance for agreement)

| No. | Comment By | Comment | Response |
|-----|-------------|---|---|
| 1 | Andrew Ford | For all the travel time routes (Table 4.1 in AM) , does the time bracket (i.e. 7-8) relates to the departure time for a vehicle travelling from origin A to destination B? | It will be the actual time the vehicle was on the segment of the route, irrespective of departure or arrival time. |
| 2 | | Likewise, it would also be useful to clarify whether the travel times are based on observations of vehicles travelling between Points A and B, or whether the time is an aggregate of observed times of sub-segments of each route between 7am to 8am / 8am to 9am? So for example, Wellington Airport to Masterton between 8am and 9am could be: <ul style="list-style-type: none"> o A journey from the Airport starting at 8.10am arriving into Masterton at 10am? Or o Sub-segments - Airport to CBD typical travel time between 8am and 9am, plus CBD to Petone typical travel time 8am to 9am, plus Petone to Upper Hutt etc. | TomTom provides mean observed travel times by short segment for 15 minute intervals. We then average these means to produce the average travel time for the model period. The average travel time on the route is then the sum of the means. This is quite different to a floating car survey, where a vehicle progresses along the route. For this reason, the 5th and 95th percentiles have not been plotted as these were found to produce extreme travel times, that were not experienced by any user along the entire route. |
| 3 | | Whilst it is perhaps a little subjective, some Google congestion screenshots for 7am to 8am and 8am to 9am could be useful to support the argument for the choice of time period? The same probably goes for the PM, however it might be that it doesn't show much difference.... | Congested screenshots from Google have been added. They do support 8am and 5pm being the busier AM and PM periods, although it is somewhat subjective. |
| 4 | | Given the dominant flows in the AM are towards Wellington CBD, an 8am to 9am peak makes sense as this is when: <ul style="list-style-type: none"> o Longer distance trips arrive in Wellington CBD o Shorter distance commuter trips arrive into the CBD and shorter distance commuter trips arrive into suburban centres. | Agreed. |
| 5 | | With the HTS times, are these arrival times or departure times? I am imaging they are departure times as looking at Kapiti, 6am to 7am has greatest demand to CBD (makes sense). | The HTS uses mid-trip time. |
| 6 | | I can see the challenge with the PM peak – and am not surprised given that PM peak periods are generally broader | Agreed. |

| No. | Comment By | Comment | Response |
|-----|------------|---|---|
| | | / flatter than AM peak and have more dispersed travel patterns. | |
| 7 | | From looking at the HTS I can see the logic for a 5 to 6pm peak and this is well captured in your note. | Noted. |
| 8 | | As above, would some a Google traffic screenshot provide value in supporting the choice between 4-5 and 5-6? | Yes, we've added these and this does provide additional support for the choice of peak hour. |
| 9 | Ian Clark | The different sources of info are providing different things, eg HTS probably give time of departure, while counts indicate the times further into the trip. | Agreed, and the different messaging using the different datasets did make it challenging to reach a recommendation. Note that HTS has been extracted as mid-trip time. Even with the different types of data, we are confident that representative peak hours have been identified. |
| 10 | | I'm really interested in Andy's points around each model having different time periods. This may of interest, and needs to be addressed later, rather than being a matter of concern. | Noted. All models will aggregate to the same peak periods (6-9am, 9am-3pm, 3-6pm, 6pm-6am). |
| 11 | | The above point raises a minor matter of interest: it would be normal (eg for microsim) for the peak shoulders to be either side of the peak, to allow the model to warm up and cool down. This is not the case here, with two hour shoulders before each peak – but this doesn't matter for a more strategic model which is considering demands only, and is not capacity constrained. | Agreed. The purpose of the hour/shoulder in WTSM is different to microsimulation modelling. We are looking to reflect peak hour congestion, and the congestion outside of the peak. |

A.2 Comments on Other Sections (excluding Section 4)

| No. | Comment By | Comment | Response |
|-----|-------------|---|--|
| 1 | Andrew Ford | I'm not sure whether Table 1.1 is the correct place, but a comparison of the different time periods between WTSM / WTAM / WPTM would be useful somewhere? This is something to consider when applying growth from WTSM to WTAM / WPTM | This will be better addressed in the WPTM documentation with other changes related to the new version of WTSM and the passing of information between the two models. |
| 2 | | Section 5 – Table 5.1 and 5.2 bus patronage profile seems ok for Wellington City, but intuitively seem to have too many people boarding pre 7am in Hutt and Porirua; accepted there would be a bump in people particularly in Kapiti connecting from bus to train, but as a percentage of total bus passengers in those areas in the AM peak I would have thought transfer bus trips are a small %? But you say that the boardings data was taken | This was extracted from ETM data so should be a realistic representation as it is the same data used as in Wellington City. This would seem to indicate more bus users travelling to Wellington CBD departing early to avoid the peak congestion, similarly as car users from these sectors. |

| No. | Comment By | Comment | Response |
|-----|------------|---|--|
| | | from the ETM data, so maybe there are more early bird bus users outside of Wellington City than we might expect.... We could probably use the new NetBI tool to do a couple of spot checks in Hutt / Porirua to confirm is required | |
| 2 | | Section 5 – rail profile seems reasonable, with Kapiti line peak at 6.45, Hutt 7 to 7.15, JVL later | Noted |
| 4 | | Pg34 – Non home-based LV occupancy factors, we have the same factors for all sectors for AM, IP, ON but 5 factors for PM? Is there an explanation for this? I don't know how more complex this makes the model so it might not be an issue, but some of the factors are quite similar(1.32/1.33, 1.40/1.43) so could they be aggregated for simplicity? | Agreed that some of these values could be aggregated with little impact. However this does not make a difference in terms of complexity or run time and therefore it is not suggested to change it at this time. |

Appendix B Daily to time period factors

Home-Based Work - Light Vehicles

AM Peak

Home to Work

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 43.4% | 34.0% | 37.4% | 40.5% |
| Wellington | 38.4% | 35.3% | 42.6% | 44.8% |
| Porirua & Kapiti | 36.4% | 30.5% | 34.6% | 42.3% |
| Hutt & Wairarapa | 41.4% | 39.5% | 42.0% | 39.3% |

Work to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 1.4% | 1.0% | 1.3% | 1.2% |
| Wellington | 1.5% | 1.4% | 1.6% | 1.1% |
| Porirua & Kapiti | 1.4% | 1.4% | 1.4% | 1.3% |
| Hutt & Wairarapa | 1.2% | 1.1% | 3.0% | 1.1% |

Inter Peak

Home to Work

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 5.9% | 9.2% | 9.3% | 8.9% |
| Wellington | 9.4% | 7.3% | 6.8% | 6.4% |
| Porirua & Kapiti | 8.9% | 11.4% | 10.1% | 7.4% |
| Hutt & Wairarapa | 9.7% | 9.5% | 6.6% | 8.7% |

Work to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 4.9% | 4.6% | 6.5% | 5.7% |
| Wellington | 7.8% | 8.8% | 10.0% | 6.4% |
| Porirua & Kapiti | 7.5% | 6.3% | 9.4% | 7.6% |
| Hutt & Wairarapa | 6.3% | 4.0% | 4.3% | 7.6% |

PM Peak

Home to Work

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 2.0% | 2.5% | 2.4% | 2.4% |
| Wellington | 6.0% | 3.1% | 2.4% | 2.2% |
| Porirua & Kapiti | 2.0% | 2.4% | 2.3% | 2.0% |
| Hutt & Wairarapa | 3.8% | 4.4% | 7.8% | 2.6% |

Work to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 17.7% | 18.5% | 24.5% | 15.5% |
| Wellington | 19.0% | 19.5% | 15.2% | 16.9% |
| Porirua & Kapiti | 19.3% | 15.3% | 19.7% | 17.0% |
| Hutt & Wairarapa | 20.9% | 20.3% | 25.7% | 23.4% |

Overnight

Home to Work

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 8.7% | 11.6% | 10.0% | 9.0% |
| Wellington | 6.2% | 8.6% | 9.9% | 8.4% |
| Porirua & Kapiti | 9.3% | 13.0% | 8.9% | 8.7% |
| Hutt & Wairarapa | 9.2% | 11.0% | 5.3% | 8.3% |

Work to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 16.0% | 14.6% | 10.3% | 14.3% |
| Wellington | 15.7% | 16.0% | 16.9% | 11.4% |
| Porirua & Kapiti | 13.4% | 14.3% | 13.7% | 13.0% |
| Hutt & Wairarapa | 9.7% | 12.6% | 6.1% | 9.0% |

Home-Based Education - Light Vehicles

AM Peak

Home to Education

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 46.4% | 35.8% | 46.1% | 39.4% |
| Wellington | 50.6% | 44.9% | 48.0% | 46.4% |
| Porirua & Kapiti | 52.1% | 50.5% | 48.0% | 47.5% |
| Hutt & Wairarapa | 53.4% | 45.8% | 50.9% | 46.3% |

Education to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 1.8% | 2.0% | 2.2% | 2.0% |
| Wellington | 1.7% | 1.8% | 1.8% | 1.9% |
| Porirua & Kapiti | 1.8% | 1.9% | 2.2% | 2.2% |
| Hutt & Wairarapa | 1.7% | 1.9% | 4.0% | 2.3% |

Inter Peak

Home to Education

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 10.3% | 8.9% | 10.1% | 9.1% |
| Wellington | 12.2% | 6.7% | 8.6% | 8.0% |
| Porirua & Kapiti | 7.6% | 7.3% | 11.4% | 9.3% |
| Hutt & Wairarapa | 9.4% | 7.9% | 6.8% | 9.2% |

Education to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 5.8% | 5.2% | 6.0% | 5.0% |
| Wellington | 6.3% | 5.6% | 5.5% | 5.3% |
| Porirua & Kapiti | 5.7% | 5.9% | 6.0% | 6.0% |
| Hutt & Wairarapa | 5.4% | 5.8% | 4.2% | 6.0% |

PM Peak

Home to Education

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 1.6% | 2.1% | 1.8% | 1.7% |
| Wellington | 5.2% | 1.7% | 1.8% | 1.9% |
| Porirua & Kapiti | 1.5% | 1.8% | 1.8% | 1.8% |
| Hutt & Wairarapa | 3.9% | 5.2% | 2.4% | 1.8% |

Education to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 29.6% | 19.9% | 25.7% | 22.0% |
| Wellington | 39.2% | 34.8% | 28.5% | 29.2% |
| Porirua & Kapiti | 29.9% | 29.3% | 25.8% | 27.5% |
| Hutt & Wairarapa | 38.2% | 31.3% | 30.0% | 29.5% |

Overnight

Home to Education

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 1.1% | 1.3% | 1.0% | 1.1% |
| Wellington | 1.1% | 1.3% | 1.1% | 1.1% |
| Porirua & Kapiti | 1.1% | 1.1% | 1.1% | 1.3% |
| Hutt & Wairarapa | 1.1% | 1.3% | 0.6% | 1.3% |

Education to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 3.4% | 3.6% | 3.6% | 3.3% |
| Wellington | 4.9% | 3.1% | 3.6% | 3.7% |
| Porirua & Kapiti | 3.4% | 3.4% | 3.6% | 3.6% |
| Hutt & Wairarapa | 3.3% | 3.4% | 1.8% | 3.6% |

Home-Based Shopping - Light Vehicles

AM Peak

Home to Shopping

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 4.0% | 3.6% | 4.4% | 4.1% |
| Wellington | 3.5% | 3.7% | 4.7% | 4.5% |
| Porirua & Kapiti | 5.1% | 5.0% | 6.1% | 5.2% |
| Hutt & Wairarapa | 5.0% | 4.3% | 10.7% | 4.9% |

Shopping to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 1.5% | 1.5% | 1.6% | 1.9% |
| Wellington | 2.1% | 1.7% | 1.8% | 1.9% |
| Porirua & Kapiti | 1.5% | 1.4% | 1.5% | 1.8% |
| Hutt & Wairarapa | 2.0% | 2.0% | 7.9% | 2.3% |

Inter Peak

Home to Shopping

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 22.3% | 19.6% | 19.8% | 20.1% |
| Wellington | 23.1% | 17.5% | 18.1% | 18.4% |
| Porirua & Kapiti | 18.7% | 16.5% | 19.2% | 16.5% |
| Hutt & Wairarapa | 20.0% | 19.6% | 12.5% | 17.0% |

Shopping to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 20.7% | 16.3% | 18.9% | 17.7% |
| Wellington | 20.6% | 20.2% | 21.6% | 18.0% |
| Porirua & Kapiti | 18.1% | 17.6% | 19.3% | 13.3% |
| Hutt & Wairarapa | 19.5% | 15.6% | 13.7% | 20.2% |

PM Peak

Home to Shopping

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 7.4% | 7.3% | 8.9% | 8.1% |
| Wellington | 9.8% | 7.0% | 9.0% | 8.3% |
| Porirua & Kapiti | 8.7% | 8.6% | 9.6% | 9.0% |
| Hutt & Wairarapa | 8.6% | 9.6% | 13.6% | 8.7% |

Shopping to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 16.9% | 14.0% | 19.9% | 16.8% |
| Wellington | 13.9% | 16.7% | 16.2% | 17.1% |
| Porirua & Kapiti | 21.0% | 21.7% | 23.1% | 23.8% |
| Hutt & Wairarapa | 19.7% | 21.6% | 31.0% | 21.2% |

Overnight

Home to Shopping

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 8.2% | 8.2% | 7.2% | 7.0% |
| Wellington | 9.4% | 10.2% | 6.4% | 8.7% |
| Porirua & Kapiti | 8.7% | 11.3% | 7.4% | 7.3% |
| Hutt & Wairarapa | 8.9% | 8.2% | 3.9% | 7.2% |

Shopping to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 19.0% | 22.0% | 18.7% | 22.0% |
| Wellington | 24.9% | 22.9% | 19.9% | 21.2% |
| Porirua & Kapiti | 18.9% | 20.3% | 13.7% | 21.3% |
| Hutt & Wairarapa | 18.6% | 20.9% | 8.7% | 18.7% |

Home-Based Other - Light Vehicles

AM Peak

Home to Other

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 11.3% | 10.4% | 9.4% | 9.4% |
| Wellington | 13.0% | 8.6% | 9.5% | 8.9% |
| Porirua & Kapiti | 10.8% | 9.7% | 8.6% | 9.2% |
| Hutt & Wairarapa | 11.4% | 11.3% | 14.8% | 10.5% |

Other to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 2.3% | 2.9% | 2.4% | 2.4% |
| Wellington | 2.7% | 2.9% | 2.8% | 2.2% |
| Porirua & Kapiti | 2.2% | 2.6% | 2.3% | 2.3% |
| Hutt & Wairarapa | 2.2% | 2.3% | 6.3% | 2.3% |

Inter Peak

Home to Other

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 15.3% | 13.5% | 16.2% | 16.7% |
| Wellington | 20.3% | 16.2% | 16.7% | 18.9% |
| Porirua & Kapiti | 18.6% | 15.4% | 20.3% | 18.1% |
| Hutt & Wairarapa | 18.8% | 14.1% | 12.1% | 17.4% |

Other to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 10.6% | 8.4% | 14.1% | 10.1% |
| Wellington | 10.8% | 10.5% | 12.4% | 9.3% |
| Porirua & Kapiti | 13.8% | 11.8% | 16.1% | 13.8% |
| Hutt & Wairarapa | 13.7% | 11.4% | 9.4% | 14.1% |

PM Peak

Home to Other

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 10.2% | 9.5% | 11.8% | 11.9% |
| Wellington | 10.3% | 8.8% | 9.8% | 8.8% |
| Porirua & Kapiti | 10.0% | 7.1% | 10.8% | 10.5% |
| Hutt & Wairarapa | 11.6% | 12.7% | 17.1% | 11.2% |

Other to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 10.2% | 10.7% | 12.9% | 12.4% |
| Wellington | 11.6% | 9.9% | 9.7% | 12.1% |
| Porirua & Kapiti | 11.0% | 8.0% | 10.7% | 12.0% |
| Hutt & Wairarapa | 13.1% | 12.6% | 24.9% | 13.9% |

Overnight

Home to Other

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 13.7% | 13.3% | 12.0% | 9.3% |
| Wellington | 8.7% | 14.3% | 15.2% | 11.0% |
| Porirua & Kapiti | 11.3% | 12.3% | 11.3% | 10.4% |
| Hutt & Wairarapa | 11.2% | 13.3% | 5.7% | 9.9% |

Other to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 26.3% | 24.2% | 19.0% | 21.9% |
| Wellington | 29.6% | 28.9% | 31.0% | 25.0% |
| Porirua & Kapiti | 24.3% | 26.2% | 19.9% | 22.5% |
| Hutt & Wairarapa | 23.6% | 25.9% | 10.8% | 20.7% |

Non-Home-Based - Light Vehicles

AM Peak

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 10.5% | 9.2% | 8.2% | 13.1% |
| Wellington | 13.4% | 10.6% | 10.5% | 15.0% |
| Porirua & Kapiti | 8.1% | 10.9% | 6.8% | 8.7% |
| Hutt & Wairarapa | 10.5% | 12.2% | 10.7% | 11.4% |

Inter Peak

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 41.9% | 36.1% | 44.2% | 41.2% |
| Wellington | 43.9% | 45.6% | 52.0% | 36.1% |
| Porirua & Kapiti | 58.2% | 42.6% | 48.1% | 48.4% |
| Hutt & Wairarapa | 51.0% | 39.9% | 46.0% | 48.5% |

PM Peak

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 28.4% | 33.5% | 29.5% | 30.1% |
| Wellington | 27.9% | 24.0% | 20.4% | 27.3% |
| Porirua & Kapiti | 21.4% | 29.4% | 31.0% | 28.8% |
| Hutt & Wairarapa | 24.5% | 30.9% | 27.5% | 27.1% |

Overnight

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 19.2% | 21.3% | 18.0% | 15.5% |
| Wellington | 14.9% | 19.9% | 17.2% | 21.6% |
| Porirua & Kapiti | 12.3% | 17.2% | 14.0% | 14.2% |
| Hutt & Wairarapa | 13.9% | 17.2% | 15.7% | 12.9% |

Business - Light Vehicles

AM Peak

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 13.7% | 12.9% | 17.3% | 15.1% |
| Wellington | 17.0% | 14.5% | 18.8% | 17.4% |
| Porirua & Kapiti | 14.6% | 14.1% | 16.6% | 16.4% |
| Hutt & Wairarapa | 16.2% | 13.3% | 17.7% | 14.0% |

Inter Peak

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 49.4% | 49.3% | 41.9% | 55.1% |
| Wellington | 53.7% | 58.1% | 48.1% | 48.3% |
| Porirua & Kapiti | 53.2% | 52.8% | 47.0% | 41.2% |
| Hutt & Wairarapa | 49.0% | 45.9% | 51.4% | 49.6% |

PM Peak

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 28.0% | 19.6% | 25.5% | 17.7% |
| Wellington | 17.1% | 13.9% | 19.6% | 22.1% |
| Porirua & Kapiti | 20.3% | 20.8% | 21.4% | 27.7% |
| Hutt & Wairarapa | 22.3% | 23.8% | 16.2% | 24.2% |

Overnight

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 8.9% | 18.4% | 15.3% | 12.1% |
| Wellington | 12.2% | 13.4% | 13.6% | 12.2% |
| Porirua & Kapiti | 11.9% | 12.2% | 15.0% | 14.7% |
| Hutt & Wairarapa | 12.4% | 17.0% | 14.7% | 12.2% |

Home-Based Work - Bus

AM Peak

Home to Work

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 46.0% | 42.0% | 45.0% | 47.0% |
| Wellington | 46.0% | 47.0% | 46.0% | 48.0% |
| Porirua & Kapiti | 46.0% | 39.0% | 47.0% | 47.0% |
| Hutt & Wairarapa | 49.0% | 45.0% | 46.0% | 49.0% |

Work to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 0.0% | 0.0% | 0.0% | 0.0% |
| Wellington | 0.0% | 0.0% | 0.0% | 0.0% |
| Porirua & Kapiti | 0.0% | 0.0% | 0.0% | 0.0% |
| Hutt & Wairarapa | 0.0% | 0.0% | 0.0% | 0.0% |

Inter Peak

Home to Work

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 9.0% | 10.0% | 10.0% | 10.0% |
| Wellington | 7.0% | 9.0% | 9.0% | 9.0% |
| Porirua & Kapiti | 9.0% | 11.0% | 10.0% | 10.0% |
| Hutt & Wairarapa | 9.0% | 10.0% | 10.0% | 11.0% |

Work to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 6.0% | 5.0% | 5.0% | 5.0% |
| Wellington | 5.0% | 5.0% | 5.0% | 5.0% |
| Porirua & Kapiti | 5.0% | 5.0% | 5.0% | 5.0% |
| Hutt & Wairarapa | 5.0% | 5.0% | 5.0% | 5.0% |

PM Peak

Home to Work

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 0.5% | 1.0% | 1.0% | 1.0% |
| Wellington | 0.5% | 1.0% | 1.0% | 1.0% |
| Porirua & Kapiti | 0.5% | 1.0% | 1.0% | 1.0% |
| Hutt & Wairarapa | 0.5% | 1.0% | 1.0% | 1.0% |

Work to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 22.5% | 28.5% | 26.5% | 20.5% |
| Wellington | 21.0% | 26.0% | 28.0% | 23.0% |
| Porirua & Kapiti | 24.0% | 26.0% | 23.0% | 23.0% |
| Hutt & Wairarapa | 21.0% | 24.0% | 23.0% | 20.0% |

Overnight

Home to Work

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 1.0% | 1.0% | 1.0% | 1.0% |
| Wellington | 1.0% | 1.0% | 1.0% | 1.0% |
| Porirua & Kapiti | 1.0% | 1.0% | 1.0% | 1.0% |
| Hutt & Wairarapa | 1.0% | 1.0% | 1.0% | 1.0% |

Work to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 16.0% | 13.0% | 13.0% | 15.0% |
| Wellington | 20.0% | 13.0% | 14.0% | 14.0% |
| Porirua & Kapiti | 15.0% | 13.0% | 13.0% | 14.0% |
| Hutt & Wairarapa | 15.0% | 13.0% | 13.0% | 13.0% |

Home-Based Education - Bus

AM Peak

Home to Education

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 47.0% | 47.0% | 45.0% | 45.0% |
| Wellington | 50.0% | 46.0% | 45.0% | 45.0% |
| Porirua & Kapiti | 47.0% | 46.0% | 43.0% | 40.0% |
| Hutt & Wairarapa | 47.0% | 44.0% | 42.0% | 42.0% |

Education to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 0.0% | 0.0% | 0.0% | 0.0% |
| Wellington | 0.0% | 0.0% | 0.0% | 0.0% |
| Porirua & Kapiti | 0.0% | 0.0% | 0.0% | 0.0% |
| Hutt & Wairarapa | 0.0% | 0.0% | 0.0% | 0.0% |

Inter Peak

Home to Education

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 7.0% | 7.0% | 7.0% | 7.0% |
| Wellington | 7.0% | 7.0% | 7.0% | 7.0% |
| Porirua & Kapiti | 7.0% | 6.0% | 7.0% | 6.0% |
| Hutt & Wairarapa | 7.0% | 7.0% | 7.0% | 6.0% |

Education to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 4.0% | 3.0% | 4.0% | 4.0% |
| Wellington | 4.0% | 5.0% | 4.0% | 4.0% |
| Porirua & Kapiti | 4.0% | 5.0% | 4.0% | 4.0% |
| Hutt & Wairarapa | 4.0% | 4.0% | 4.0% | 4.0% |

PM Peak

Home to Education

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 0.0% | 0.0% | 0.0% | 0.0% |
| Wellington | 0.0% | 0.0% | 0.0% | 0.0% |
| Porirua & Kapiti | 0.0% | 0.0% | 0.0% | 0.0% |
| Hutt & Wairarapa | 0.0% | 0.0% | 0.0% | 0.0% |

Education to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 40.0% | 38.0% | 41.0% | 41.0% |
| Wellington | 41.0% | 40.0% | 43.0% | 43.0% |
| Porirua & Kapiti | 43.0% | 42.0% | 45.0% | 46.0% |
| Hutt & Wairarapa | 43.0% | 42.0% | 49.0% | 46.0% |

Overnight

Home to Education

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 0.0% | 0.0% | 0.0% | 0.0% |
| Wellington | 0.0% | 0.0% | 0.0% | 0.0% |
| Porirua & Kapiti | 0.0% | 0.0% | 0.0% | 0.0% |
| Hutt & Wairarapa | 0.0% | 0.0% | 0.0% | 0.0% |

Education to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 1.0% | 1.0% | 1.0% | 1.0% |
| Wellington | 1.0% | 1.0% | 1.0% | 1.0% |
| Porirua & Kapiti | 1.0% | 1.0% | 1.0% | 1.0% |
| Hutt & Wairarapa | 1.0% | 1.0% | 1.0% | 1.0% |

Home-Based Shopping - Bus

AM Peak

Home to Shopping

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 8.0% | 6.0% | 6.0% | 7.0% |
| Wellington | 7.0% | 6.0% | 6.0% | 6.0% |
| Porirua & Kapiti | 7.0% | 6.0% | 6.0% | 6.0% |
| Hutt & Wairarapa | 7.0% | 6.0% | 6.0% | 6.0% |

Shopping to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 0.0% | 0.0% | 0.0% | 0.0% |
| Wellington | 0.0% | 0.0% | 0.0% | 0.0% |
| Porirua & Kapiti | 0.0% | 0.0% | 0.0% | 0.0% |
| Hutt & Wairarapa | 0.0% | 0.0% | 0.0% | 0.0% |

Inter Peak

Home to Shopping

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 33.0% | 36.0% | 32.0% | 32.0% |
| Wellington | 26.0% | 27.0% | 27.0% | 28.0% |
| Porirua & Kapiti | 27.0% | 29.0% | 28.0% | 30.0% |
| Hutt & Wairarapa | 26.0% | 30.0% | 30.0% | 31.0% |

Shopping to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 15.0% | 12.0% | 17.0% | 16.0% |
| Wellington | 17.0% | 17.0% | 19.0% | 17.0% |
| Porirua & Kapiti | 19.0% | 19.0% | 23.0% | 19.0% |
| Hutt & Wairarapa | 18.0% | 18.0% | 19.0% | 18.0% |

PM Peak

Home to Shopping

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 2.0% | 3.1% | 3.0% | 3.1% |
| Wellington | 2.5% | 5.0% | 4.0% | 5.0% |
| Porirua & Kapiti | 2.5% | 5.0% | 4.0% | 5.0% |
| Hutt & Wairarapa | 2.5% | 5.0% | 5.0% | 5.0% |

Shopping to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 23.0% | 28.5% | 25.5% | 25.5% |
| Wellington | 20.0% | 23.0% | 22.0% | 21.0% |
| Porirua & Kapiti | 21.0% | 22.0% | 20.0% | 20.0% |
| Hutt & Wairarapa | 20.0% | 22.0% | 20.0% | 21.0% |

Overnight

Home to Shopping

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 1.0% | 1.0% | 1.0% | 1.0% |
| Wellington | 1.0% | 1.0% | 1.0% | 1.0% |
| Porirua & Kapiti | 1.0% | 1.0% | 1.0% | 1.0% |
| Hutt & Wairarapa | 1.0% | 1.0% | 1.0% | 1.0% |

Shopping to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 18.0% | 23.0% | 20.0% | 22.0% |
| Wellington | 17.0% | 21.0% | 19.0% | 21.0% |
| Porirua & Kapiti | 18.0% | 20.0% | 18.0% | 20.0% |
| Hutt & Wairarapa | 18.0% | 21.0% | 19.0% | 19.0% |

Home-Based Other - Bus

AM Peak

Home to Other

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 8.0% | 7.0% | 7.0% | 7.0% |
| Wellington | 9.0% | 6.0% | 8.0% | 8.0% |
| Porirua & Kapiti | 7.0% | 7.0% | 7.0% | 7.0% |
| Hutt & Wairarapa | 7.0% | 7.0% | 7.0% | 6.0% |

Other to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 1.0% | 1.0% | 1.0% | 1.0% |
| Wellington | 1.0% | 1.0% | 1.0% | 1.0% |
| Porirua & Kapiti | 1.0% | 1.0% | 1.0% | 1.0% |
| Hutt & Wairarapa | 1.0% | 1.0% | 1.0% | 1.0% |

Inter Peak

Home to Other

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 21.0% | 21.0% | 20.0% | 20.0% |
| Wellington | 17.0% | 21.0% | 19.0% | 17.0% |
| Porirua & Kapiti | 20.0% | 19.0% | 18.0% | 18.0% |
| Hutt & Wairarapa | 24.0% | 20.0% | 20.0% | 20.0% |

Other to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 21.0% | 21.0% | 22.0% | 20.0% |
| Wellington | 22.0% | 21.0% | 24.0% | 23.0% |
| Porirua & Kapiti | 20.0% | 21.0% | 25.0% | 21.0% |
| Hutt & Wairarapa | 20.0% | 20.0% | 22.0% | 20.0% |

PM Peak

Home to Other

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 4.5% | 7.9% | 8.8% | 7.7% |
| Wellington | 5.5% | 8.0% | 10.0% | 8.0% |
| Porirua & Kapiti | 4.5% | 9.0% | 10.0% | 9.0% |
| Hutt & Wairarapa | 4.0% | 9.0% | 10.0% | 8.0% |

Other to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 26.5% | 28.5% | 26.5% | 27.0% |
| Wellington | 23.1% | 24.0% | 21.0% | 22.0% |
| Porirua & Kapiti | 25.2% | 24.0% | 22.0% | 25.0% |
| Hutt & Wairarapa | 27.3% | 28.0% | 25.0% | 29.0% |

Overnight

Home to Other

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 3.0% | 2.0% | 3.0% | 3.0% |
| Wellington | 3.0% | 3.0% | 3.0% | 3.0% |
| Porirua & Kapiti | 3.0% | 3.0% | 3.0% | 3.0% |
| Hutt & Wairarapa | 3.0% | 3.0% | 3.0% | 3.0% |

Other to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 15.0% | 16.0% | 15.0% | 14.0% |
| Wellington | 15.0% | 15.0% | 15.0% | 15.0% |
| Porirua & Kapiti | 15.0% | 16.0% | 14.0% | 15.0% |
| Hutt & Wairarapa | 15.0% | 15.0% | 15.0% | 14.0% |

Non-Home-Based - Bus

AM Peak

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 8.0% | 11.0% | 11.0% | 13.0% |
| Wellington | 12.0% | 12.0% | 12.0% | 11.0% |
| Porirua & Kapiti | 12.0% | 16.5% | 10.0% | 11.0% |
| Hutt & Wairarapa | 12.5% | 12.0% | 11.0% | 11.0% |

Inter Peak

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 48.0% | 33.0% | 41.0% | 40.0% |
| Wellington | 45.0% | 44.0% | 44.0% | 49.0% |
| Porirua & Kapiti | 53.0% | 45.5% | 51.0% | 51.0% |
| Hutt & Wairarapa | 51.5% | 53.0% | 52.0% | 54.0% |

PM Peak

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 37.0% | 49.0% | 40.0% | 39.0% |
| Wellington | 37.0% | 37.0% | 37.0% | 32.0% |
| Porirua & Kapiti | 29.0% | 29.0% | 33.0% | 32.0% |
| Hutt & Wairarapa | 29.0% | 29.0% | 29.0% | 29.0% |

Overnight

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 7.0% | 8.0% | 8.0% | 9.0% |
| Wellington | 6.0% | 8.0% | 8.0% | 8.0% |
| Porirua & Kapiti | 6.0% | 8.0% | 6.0% | 7.0% |
| Hutt & Wairarapa | 7.0% | 6.0% | 8.0% | 7.0% |

Business - Bus

AM Peak

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 35.0% | 32.0% | 32.0% | 32.0% |
| Wellington | 34.0% | 33.0% | 33.0% | 33.0% |
| Porirua & Kapiti | 33.0% | 32.5% | 32.0% | 32.0% |
| Hutt & Wairarapa | 33.0% | 32.5% | 32.0% | 32.0% |

Inter Peak

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 21.0% | 27.0% | 25.0% | 25.0% |
| Wellington | 24.0% | 25.0% | 23.0% | 23.0% |
| Porirua & Kapiti | 27.0% | 27.5% | 26.0% | 26.0% |
| Hutt & Wairarapa | 27.0% | 27.5% | 26.0% | 26.0% |

PM Peak

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 24.0% | 23.0% | 25.0% | 25.0% |
| Wellington | 24.0% | 24.0% | 25.0% | 25.0% |
| Porirua & Kapiti | 22.0% | 22.0% | 24.0% | 24.0% |
| Hutt & Wairarapa | 22.0% | 22.0% | 24.0% | 24.0% |

Overnight

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 20.0% | 18.0% | 18.0% | 18.0% |
| Wellington | 19.0% | 19.0% | 19.0% | 19.0% |
| Porirua & Kapiti | 18.0% | 18.0% | 18.0% | 18.0% |
| Hutt & Wairarapa | 18.0% | 18.0% | 18.0% | 18.0% |

Home-Based Work - Rail other

AM Peak

Home to Work

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 46.0% | 48.0% | 48.0% | 53.0% |
| Wellington | 51.0% | 50.0% | 50.0% | 56.0% |
| Porirua & Kapiti | 46.0% | 48.0% | 48.0% | 53.0% |
| Hutt & Wairarapa | 39.0% | 45.0% | 45.0% | 53.0% |

Work to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 0.0% | 0.0% | 0.0% | 0.0% |
| Wellington | 0.0% | 0.0% | 0.0% | 0.0% |
| Porirua & Kapiti | 0.0% | 0.0% | 0.0% | 0.0% |
| Hutt & Wairarapa | 0.0% | 0.0% | 0.0% | 0.0% |

Inter Peak

Home to Work

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 3.0% | 3.0% | 3.0% | 3.0% |
| Wellington | 3.0% | 3.0% | 3.0% | 3.0% |
| Porirua & Kapiti | 3.0% | 3.0% | 3.0% | 3.0% |
| Hutt & Wairarapa | 2.5% | 2.5% | 2.5% | 3.0% |

Work to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 2.6% | 2.6% | 2.6% | 2.5% |
| Wellington | 2.6% | 2.6% | 2.6% | 2.5% |
| Porirua & Kapiti | 2.6% | 2.6% | 2.6% | 2.5% |
| Hutt & Wairarapa | 2.6% | 2.6% | 2.6% | 2.6% |

PM Peak

Home to Work

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 0.0% | 0.0% | 0.0% | 0.0% |
| Wellington | 0.0% | 0.0% | 0.0% | 0.0% |
| Porirua & Kapiti | 0.0% | 0.0% | 0.0% | 0.0% |
| Hutt & Wairarapa | 0.0% | 0.0% | 0.0% | 0.0% |

Work to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 39.3% | 34.3% | 39.3% | 48.3% |
| Wellington | 38.3% | 35.3% | 38.3% | 42.3% |
| Porirua & Kapiti | 30.6% | 35.3% | 38.3% | 42.3% |
| Hutt & Wairarapa | 26.6% | 30.3% | 33.3% | 33.3% |

Overnight

Home to Work

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 3.8% | 2.8% | 2.8% | 2.8% |
| Wellington | 3.8% | 3.8% | 3.8% | 2.8% |
| Porirua & Kapiti | 2.8% | 2.8% | 2.8% | 2.8% |
| Hutt & Wairarapa | 2.6% | 2.6% | 2.6% | 2.8% |

Work to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 5.4% | 5.4% | 6.4% | 5.1% |
| Wellington | 5.4% | 5.4% | 5.4% | 5.1% |
| Porirua & Kapiti | 13.0% | 5.4% | 5.4% | 5.1% |
| Hutt & Wairarapa | 12.0% | 5.4% | 5.4% | 5.4% |

Home-Based Education - Rail other

AM Peak

Home to Education

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 28.0% | 27.0% | 30.0% | 30.0% |
| Wellington | 28.0% | 27.0% | 30.0% | 30.0% |
| Porirua & Kapiti | 34.0% | 30.0% | 33.0% | 33.0% |
| Hutt & Wairarapa | 24.0% | 26.0% | 31.0% | 31.0% |

Education to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 0.0% | 0.0% | 0.0% | 0.0% |
| Wellington | 0.0% | 0.0% | 0.0% | 0.0% |
| Porirua & Kapiti | 0.0% | 0.0% | 0.0% | 0.0% |
| Hutt & Wairarapa | 0.0% | 0.0% | 0.0% | 0.0% |

Inter Peak

Home to Education

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 10.7% | 11.3% | 11.3% | 11.3% |
| Wellington | 10.7% | 11.3% | 11.3% | 11.3% |
| Porirua & Kapiti | 12.7% | 12.0% | 12.0% | 12.0% |
| Hutt & Wairarapa | 14.7% | 12.0% | 11.3% | 11.3% |

Education to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 3.1% | 3.1% | 4.3% | 5.5% |
| Wellington | 4.1% | 4.1% | 4.2% | 4.2% |
| Porirua & Kapiti | 4.1% | 4.1% | 4.2% | 4.1% |
| Hutt & Wairarapa | 4.1% | 4.1% | 4.2% | 4.1% |

PM Peak

Home to Education

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 0.0% | 0.0% | 0.0% | 0.0% |
| Wellington | 0.0% | 0.0% | 0.0% | 0.0% |
| Porirua & Kapiti | 0.0% | 0.0% | 0.0% | 0.0% |
| Hutt & Wairarapa | 0.0% | 0.0% | 0.0% | 0.0% |

Education to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 44.5% | 44.5% | 34.6% | 36.7% |
| Wellington | 44.6% | 44.6% | 39.6% | 43.6% |
| Porirua & Kapiti | 34.1% | 42.6% | 37.6% | 40.6% |
| Hutt & Wairarapa | 34.1% | 42.6% | 37.6% | 40.6% |

Overnight

Home to Education

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 1.3% | 1.4% | 1.4% | 1.4% |
| Wellington | 1.3% | 1.4% | 1.4% | 1.4% |
| Porirua & Kapiti | 1.6% | 1.5% | 1.5% | 1.5% |
| Hutt & Wairarapa | 1.8% | 1.5% | 1.4% | 1.4% |

Education to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 11.4% | 11.4% | 12.9% | 16.3% |
| Wellington | 11.6% | 11.6% | 12.7% | 13.7% |
| Porirua & Kapiti | 20.1% | 11.6% | 12.7% | 12.6% |
| Hutt & Wairarapa | 20.1% | 11.6% | 12.7% | 12.6% |

Home-Based Shopping - Rail other

AM Peak

Home to Shopping

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 14.0% | 14.0% | 13.0% | 14.0% |
| Wellington | 14.0% | 14.0% | 13.0% | 14.0% |
| Porirua & Kapiti | 14.0% | 14.0% | 12.0% | 14.0% |
| Hutt & Wairarapa | 14.0% | 13.0% | 12.0% | 13.0% |

Shopping to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 0.0% | 0.0% | 0.0% | 0.0% |
| Wellington | 0.0% | 0.0% | 0.0% | 0.0% |
| Porirua & Kapiti | 0.0% | 0.0% | 0.0% | 0.0% |
| Hutt & Wairarapa | 0.0% | 0.0% | 0.0% | 0.0% |

Inter Peak

Home to Shopping

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 10.7% | 11.3% | 11.3% | 11.3% |
| Wellington | 10.7% | 11.3% | 11.3% | 11.3% |
| Porirua & Kapiti | 10.7% | 11.3% | 11.3% | 11.3% |
| Hutt & Wairarapa | 10.7% | 11.3% | 11.3% | 11.3% |

Shopping to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 23.9% | 23.9% | 23.9% | 22.8% |
| Wellington | 24.7% | 24.7% | 24.7% | 24.7% |
| Porirua & Kapiti | 23.9% | 23.9% | 24.1% | 23.9% |
| Hutt & Wairarapa | 24.7% | 24.7% | 24.7% | 24.7% |

PM Peak

Home to Shopping

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 12.8% | 12.0% | 12.4% | 12.0% |
| Wellington | 6.4% | 12.0% | 12.4% | 12.0% |
| Porirua & Kapiti | 6.4% | 12.0% | 13.2% | 12.0% |
| Hutt & Wairarapa | 6.2% | 12.0% | 12.4% | 12.0% |

Shopping to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 18.6% | 25.0% | 25.0% | 27.6% |
| Wellington | 19.3% | 19.3% | 19.3% | 20.3% |
| Porirua & Kapiti | 15.6% | 19.5% | 19.9% | 20.5% |
| Hutt & Wairarapa | 15.4% | 19.3% | 19.3% | 20.3% |

Overnight

Home to Shopping

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 7.1% | 6.9% | 7.1% | 6.9% |
| Wellington | 7.1% | 6.9% | 7.1% | 6.9% |
| Porirua & Kapiti | 7.1% | 6.9% | 7.4% | 6.9% |
| Hutt & Wairarapa | 7.0% | 6.9% | 7.1% | 6.9% |

Shopping to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 12.9% | 12.9% | 11.9% | 12.8% |
| Wellington | 12.7% | 12.7% | 12.7% | 12.7% |
| Porirua & Kapiti | 17.8% | 13.9% | 13.1% | 12.9% |
| Hutt & Wairarapa | 16.6% | 12.7% | 12.7% | 12.7% |

Home-Based Other - Rail other

AM Peak

Home to Other

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 7.0% | 7.0% | 7.0% | 7.0% |
| Wellington | 6.0% | 8.0% | 7.0% | 7.0% |
| Porirua & Kapiti | 7.0% | 7.0% | 7.0% | 7.0% |
| Hutt & Wairarapa | 8.0% | 8.0% | 8.0% | 7.0% |

Other to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 0.0% | 0.0% | 0.0% | 0.0% |
| Wellington | 0.0% | 0.0% | 0.0% | 0.0% |
| Porirua & Kapiti | 0.0% | 0.0% | 0.0% | 0.0% |
| Hutt & Wairarapa | 0.0% | 0.0% | 0.0% | 0.0% |

Inter Peak

Home to Other

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 18.0% | 19.3% | 17.3% | 18.7% |
| Wellington | 19.3% | 19.3% | 17.3% | 18.7% |
| Porirua & Kapiti | 18.7% | 20.0% | 20.0% | 18.7% |
| Hutt & Wairarapa | 16.7% | 18.0% | 16.0% | 17.3% |

Other to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 14.7% | 13.7% | 14.8% | 14.7% |
| Wellington | 14.7% | 14.9% | 14.8% | 14.7% |
| Porirua & Kapiti | 14.5% | 14.5% | 14.7% | 15.5% |
| Hutt & Wairarapa | 14.7% | 14.7% | 14.7% | 14.5% |

PM Peak

Home to Other

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 6.4% | 6.0% | 6.0% | 6.0% |
| Wellington | 3.0% | 6.4% | 6.0% | 6.0% |
| Porirua & Kapiti | 3.2% | 6.0% | 5.6% | 6.0% |
| Hutt & Wairarapa | 3.4% | 6.4% | 6.4% | 6.0% |

Other to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 34.6% | 35.6% | 36.9% | 39.0% |
| Wellington | 32.6% | 31.8% | 31.7% | 33.6% |
| Porirua & Kapiti | 30.0% | 35.3% | 33.5% | 36.3% |
| Hutt & Wairarapa | 29.3% | 34.5% | 34.5% | 36.3% |

Overnight

Home to Other

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 4.7% | 4.7% | 4.4% | 4.6% |
| Wellington | 4.7% | 4.8% | 4.4% | 4.6% |
| Porirua & Kapiti | 4.7% | 4.8% | 4.6% | 4.6% |
| Hutt & Wairarapa | 4.6% | 4.7% | 4.4% | 4.4% |

Other to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 14.7% | 16.7% | 14.7% | 13.6% |
| Wellington | 15.7% | 15.8% | 15.8% | 14.7% |
| Porirua & Kapiti | 20.7% | 14.4% | 14.6% | 14.4% |
| Hutt & Wairarapa | 19.8% | 14.6% | 14.6% | 13.4% |

Non-Home-Based - Rail other

AM Peak

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 33.4% | 29.0% | 29.0% | 27.0% |
| Wellington | 33.4% | 29.0% | 29.0% | 27.0% |
| Porirua & Kapiti | 38.7% | 30.0% | 30.0% | 29.0% |
| Hutt & Wairarapa | 33.4% | 29.0% | 29.0% | 30.0% |

Inter Peak

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 16.9% | 21.0% | 21.0% | 22.0% |
| Wellington | 16.9% | 21.0% | 21.0% | 22.0% |
| Porirua & Kapiti | 18.5% | 22.0% | 22.0% | 23.0% |
| Hutt & Wairarapa | 16.9% | 21.0% | 21.0% | 24.0% |

PM Peak

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 32.1% | 45.0% | 45.0% | 46.0% |
| Wellington | 32.1% | 45.0% | 45.0% | 46.0% |
| Porirua & Kapiti | 23.1% | 42.0% | 42.0% | 43.0% |
| Hutt & Wairarapa | 28.9% | 45.0% | 45.0% | 40.0% |

Overnight

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 17.6% | 5.0% | 5.0% | 5.0% |
| Wellington | 17.6% | 5.0% | 5.0% | 5.0% |
| Porirua & Kapiti | 19.6% | 6.0% | 6.0% | 6.0% |
| Hutt & Wairarapa | 20.8% | 5.0% | 5.0% | 6.0% |

Business - Rail other

AM Peak

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 33.0% | 20.0% | 20.0% | 20.0% |
| Wellington | 33.0% | 20.0% | 20.0% | 20.0% |
| Porirua & Kapiti | 32.3% | 20.0% | 23.0% | 20.0% |
| Hutt & Wairarapa | 33.2% | 20.0% | 20.0% | 20.0% |

Inter Peak

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 31.5% | 42.0% | 42.0% | 42.0% |
| Wellington | 31.5% | 42.0% | 42.0% | 42.0% |
| Porirua & Kapiti | 33.8% | 42.0% | 41.0% | 42.0% |
| Hutt & Wairarapa | 32.3% | 43.0% | 43.0% | 43.0% |

PM Peak

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 22.9% | 32.0% | 32.0% | 32.0% |
| Wellington | 22.9% | 32.0% | 32.0% | 32.0% |
| Porirua & Kapiti | 18.8% | 32.0% | 31.0% | 32.0% |
| Hutt & Wairarapa | 19.4% | 31.0% | 31.0% | 31.0% |

Overnight

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 11.6% | 6.0% | 6.0% | 6.0% |
| Wellington | 11.6% | 6.0% | 6.0% | 6.0% |
| Porirua & Kapiti | 15.0% | 6.0% | 6.0% | 6.0% |
| Hutt & Wairarapa | 15.1% | 6.0% | 6.0% | 6.0% |

Home-Based Work - Rail park-and-ride

AM Peak

Home to Work

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 50.2% | 50.2% | 50.2% | 51.2% |
| Wellington | 50.2% | 50.2% | 50.2% | 51.2% |
| Porirua & Kapiti | 49.2% | 49.2% | 49.2% | 51.2% |
| Hutt & Wairarapa | 56.2% | 56.2% | 56.2% | 53.2% |

Work to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 0.0% | 0.0% | 0.0% | 0.0% |
| Wellington | 0.0% | 0.0% | 0.0% | 0.0% |
| Porirua & Kapiti | 0.0% | 0.0% | 0.0% | 0.0% |
| Hutt & Wairarapa | 0.0% | 0.0% | 0.0% | 0.0% |

Inter Peak

Home to Work

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 2.0% | 2.0% | 2.0% | 2.0% |
| Wellington | 2.0% | 2.0% | 2.0% | 2.0% |
| Porirua & Kapiti | 2.0% | 2.0% | 2.0% | 2.0% |
| Hutt & Wairarapa | 2.0% | 2.0% | 2.0% | 2.0% |

Work to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 0.0% | 0.0% | 0.0% | 0.0% |
| Wellington | 0.0% | 0.0% | 0.0% | 0.0% |
| Porirua & Kapiti | 0.0% | 0.0% | 0.0% | 0.0% |
| Hutt & Wairarapa | 0.0% | 0.0% | 0.0% | 0.0% |

PM Peak

Home to Work

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 0.0% | 0.0% | 0.0% | 0.0% |
| Wellington | 0.0% | 0.0% | 0.0% | 0.0% |
| Porirua & Kapiti | 0.0% | 0.0% | 0.0% | 0.0% |
| Hutt & Wairarapa | 0.0% | 0.0% | 0.0% | 0.0% |

Work to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 40.5% | 40.5% | 38.5% | 34.5% |
| Wellington | 40.5% | 40.5% | 38.5% | 34.5% |
| Porirua & Kapiti | 37.5% | 37.5% | 36.5% | 34.5% |
| Hutt & Wairarapa | 37.5% | 37.5% | 36.5% | 34.5% |

Overnight

Home to Work

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 0.0% | 0.0% | 0.0% | 0.0% |
| Wellington | 0.0% | 0.0% | 0.0% | 0.0% |
| Porirua & Kapiti | 0.0% | 0.0% | 0.0% | 0.0% |
| Hutt & Wairarapa | 0.0% | 0.0% | 0.0% | 0.0% |

Work to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 7.3% | 7.3% | 10.3% | 8.3% |
| Wellington | 7.3% | 7.3% | 10.3% | 8.3% |
| Porirua & Kapiti | 9.3% | 9.3% | 10.3% | 10.3% |
| Hutt & Wairarapa | 9.3% | 9.3% | 10.3% | 10.3% |

Home-Based Education - Rail park-and-ride

AM Peak

Home to Education

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 50.3% | 50.3% | 52.3% | 52.3% |
| Wellington | 50.3% | 50.3% | 52.3% | 52.3% |
| Porirua & Kapiti | 58.2% | 58.2% | 55.3% | 55.3% |
| Hutt & Wairarapa | 58.2% | 58.2% | 55.3% | 55.3% |

Education to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 0.0% | 0.0% | 0.0% | 0.0% |
| Wellington | 0.0% | 0.0% | 0.0% | 0.0% |
| Porirua & Kapiti | 0.0% | 0.0% | 0.0% | 0.0% |
| Hutt & Wairarapa | 0.0% | 0.0% | 0.0% | 0.0% |

Inter Peak

Home to Education

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 26.7% | 26.7% | 25.3% | 25.3% |
| Wellington | 26.7% | 26.7% | 25.3% | 25.3% |
| Porirua & Kapiti | 24.7% | 24.7% | 25.3% | 25.3% |
| Hutt & Wairarapa | 24.7% | 24.7% | 25.3% | 25.3% |

Education to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 0.0% | 0.0% | 0.0% | 0.0% |
| Wellington | 0.0% | 0.0% | 0.0% | 0.0% |
| Porirua & Kapiti | 0.0% | 0.0% | 0.0% | 0.0% |
| Hutt & Wairarapa | 0.0% | 0.0% | 0.0% | 0.0% |

PM Peak

Home to Education

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 0.0% | 0.0% | 0.0% | 0.0% |
| Wellington | 0.0% | 0.0% | 0.0% | 0.0% |
| Porirua & Kapiti | 0.0% | 0.0% | 0.0% | 0.0% |
| Hutt & Wairarapa | 0.0% | 0.0% | 0.0% | 0.0% |

Education to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 13.3% | 13.3% | 12.9% | 12.9% |
| Wellington | 13.3% | 13.3% | 12.9% | 12.9% |
| Porirua & Kapiti | 13.1% | 13.1% | 13.1% | 13.1% |
| Hutt & Wairarapa | 13.1% | 13.1% | 13.1% | 13.1% |

Overnight

Home to Education

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 0.0% | 0.0% | 0.0% | 0.0% |
| Wellington | 0.0% | 0.0% | 0.0% | 0.0% |
| Porirua & Kapiti | 0.0% | 0.0% | 0.0% | 0.0% |
| Hutt & Wairarapa | 0.0% | 0.0% | 0.0% | 0.0% |

Education to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 6.7% | 6.7% | 6.2% | 6.2% |
| Wellington | 6.7% | 6.7% | 6.2% | 6.2% |
| Porirua & Kapiti | 6.3% | 6.3% | 6.3% | 6.3% |
| Hutt & Wairarapa | 6.3% | 6.3% | 6.3% | 6.3% |

Home-Based Shopping - Rail park-and-ride

AM Peak

Home to Shopping

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 23.0% | 22.0% | 22.0% | 22.0% |
| Wellington | 22.9% | 22.0% | 21.9% | 22.0% |
| Porirua & Kapiti | 21.9% | 21.9% | 21.9% | 21.9% |
| Hutt & Wairarapa | 22.9% | 21.9% | 21.9% | 21.9% |

Shopping to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 0.0% | 0.0% | 0.0% | 0.0% |
| Wellington | 0.0% | 0.0% | 0.0% | 0.0% |
| Porirua & Kapiti | 0.0% | 0.0% | 0.0% | 0.0% |
| Hutt & Wairarapa | 0.0% | 0.0% | 0.0% | 0.0% |

Inter Peak

Home to Shopping

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 19.3% | 20.0% | 19.3% | 20.0% |
| Wellington | 18.7% | 19.3% | 18.7% | 19.3% |
| Porirua & Kapiti | 18.7% | 18.7% | 18.0% | 18.7% |
| Hutt & Wairarapa | 18.7% | 18.7% | 18.0% | 18.7% |

Shopping to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 0.0% | 0.0% | 0.0% | 0.0% |
| Wellington | 0.0% | 0.0% | 0.0% | 0.0% |
| Porirua & Kapiti | 0.0% | 0.0% | 0.0% | 0.0% |
| Hutt & Wairarapa | 0.0% | 0.0% | 0.0% | 0.0% |

PM Peak

Home to Shopping

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 0.0% | 0.0% | 0.0% | 0.0% |
| Wellington | 0.0% | 0.0% | 0.0% | 0.0% |
| Porirua & Kapiti | 0.0% | 0.0% | 0.0% | 0.0% |
| Hutt & Wairarapa | 0.0% | 0.0% | 0.0% | 0.0% |

Shopping to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 41.9% | 41.9% | 40.9% | 36.9% |
| Wellington | 41.0% | 40.9% | 40.9% | 40.9% |
| Porirua & Kapiti | 40.9% | 40.9% | 40.8% | 40.8% |
| Hutt & Wairarapa | 41.0% | 40.9% | 40.9% | 40.9% |

Overnight

Home to Shopping

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 0.0% | 0.0% | 0.0% | 0.0% |
| Wellington | 0.0% | 0.0% | 0.0% | 0.0% |
| Porirua & Kapiti | 0.0% | 0.0% | 0.0% | 0.0% |
| Hutt & Wairarapa | 0.0% | 0.0% | 0.0% | 0.0% |

Shopping to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 15.8% | 15.5% | 18.5% | 19.5% |
| Wellington | 19.0% | 18.8% | 18.5% | 18.5% |
| Porirua & Kapiti | 18.8% | 18.5% | 18.3% | 18.3% |
| Hutt & Wairarapa | 19.0% | 18.8% | 18.5% | 18.5% |

Home-Based Other - Rail park-and-ride

AM Peak

Home to Other

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 38.5% | 39.5% | 39.5% | 39.5% |
| Wellington | 38.4% | 39.4% | 39.4% | 39.5% |
| Porirua & Kapiti | 34.9% | 40.4% | 40.4% | 40.5% |
| Hutt & Wairarapa | 40.3% | 39.4% | 39.4% | 39.4% |

Other to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 0.0% | 0.0% | 0.0% | 0.0% |
| Wellington | 0.0% | 0.0% | 0.0% | 0.0% |
| Porirua & Kapiti | 0.0% | 0.0% | 0.0% | 0.0% |
| Hutt & Wairarapa | 0.0% | 0.0% | 0.0% | 0.0% |

Inter Peak

Home to Other

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 22.0% | 22.0% | 22.7% | 23.3% |
| Wellington | 20.0% | 21.3% | 21.3% | 22.0% |
| Porirua & Kapiti | 20.7% | 21.3% | 21.3% | 22.0% |
| Hutt & Wairarapa | 18.7% | 20.0% | 20.0% | 20.7% |

Other to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 0.0% | 0.0% | 0.0% | 0.0% |
| Wellington | 0.0% | 0.0% | 0.0% | 0.0% |
| Porirua & Kapiti | 0.0% | 0.0% | 0.0% | 0.0% |
| Hutt & Wairarapa | 0.0% | 0.0% | 0.0% | 0.0% |

PM Peak

Home to Other

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 0.0% | 0.0% | 0.0% | 0.0% |
| Wellington | 0.0% | 0.0% | 0.0% | 0.0% |
| Porirua & Kapiti | 0.0% | 0.0% | 0.0% | 0.0% |
| Hutt & Wairarapa | 0.0% | 0.0% | 0.0% | 0.0% |

Other to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 26.1% | 25.7% | 28.1% | 23.5% |
| Wellington | 25.1% | 24.0% | 22.0% | 23.7% |
| Porirua & Kapiti | 25.3% | 24.0% | 22.0% | 23.7% |
| Hutt & Wairarapa | 25.4% | 24.1% | 22.1% | 23.9% |

Overnight

Home to Other

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 0.0% | 0.0% | 0.0% | 0.0% |
| Wellington | 0.0% | 0.0% | 0.0% | 0.0% |
| Porirua & Kapiti | 0.0% | 0.0% | 0.0% | 0.0% |
| Hutt & Wairarapa | 0.0% | 0.0% | 0.0% | 0.0% |

Other to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 15.4% | 14.9% | 15.4% | 13.6% |
| Wellington | 15.4% | 15.2% | 15.2% | 14.9% |
| Porirua & Kapiti | 15.6% | 15.2% | 15.2% | 14.9% |
| Hutt & Wairarapa | 15.7% | 15.4% | 15.4% | 15.1% |

Non-Home-Based - Rail park-and-ride

AM Peak

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 13.5% | 5.0% | 6.0% | 6.0% |
| Wellington | 13.5% | 6.0% | 6.0% | 6.0% |
| Porirua & Kapiti | 13.5% | 6.0% | 6.0% | 6.0% |
| Hutt & Wairarapa | 13.5% | 6.0% | 6.0% | 6.0% |

Inter Peak

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 13.1% | 15.0% | 18.0% | 19.0% |
| Wellington | 14.6% | 18.0% | 18.0% | 19.0% |
| Porirua & Kapiti | 14.6% | 18.0% | 18.0% | 19.0% |
| Hutt & Wairarapa | 14.6% | 18.0% | 18.0% | 19.0% |

PM Peak

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 52.9% | 77.0% | 73.0% | 73.0% |
| Wellington | 51.4% | 74.0% | 73.0% | 72.0% |
| Porirua & Kapiti | 51.4% | 74.0% | 73.0% | 72.0% |
| Hutt & Wairarapa | 51.4% | 74.0% | 73.0% | 72.0% |

Overnight

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 20.5% | 3.0% | 4.0% | 3.0% |
| Wellington | 20.5% | 3.0% | 3.0% | 3.0% |
| Porirua & Kapiti | 20.5% | 3.0% | 3.0% | 3.0% |
| Hutt & Wairarapa | 20.5% | 3.0% | 3.0% | 3.0% |

Business - Rail park-and-ride

AM Peak

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 59.3% | 52.0% | 52.0% | 52.0% |
| Wellington | 59.3% | 52.0% | 52.0% | 52.0% |
| Porirua & Kapiti | 59.3% | 52.0% | 52.0% | 52.0% |
| Hutt & Wairarapa | 59.3% | 52.0% | 52.0% | 52.0% |

Inter Peak

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 6.2% | 8.0% | 8.0% | 8.0% |
| Wellington | 6.2% | 8.0% | 8.0% | 8.0% |
| Porirua & Kapiti | 6.2% | 8.0% | 8.0% | 8.0% |
| Hutt & Wairarapa | 6.2% | 8.0% | 8.0% | 8.0% |

PM Peak

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 21.4% | 30.0% | 30.0% | 30.0% |
| Wellington | 21.4% | 30.0% | 30.0% | 30.0% |
| Porirua & Kapiti | 21.4% | 30.0% | 30.0% | 30.0% |
| Hutt & Wairarapa | 21.4% | 30.0% | 30.0% | 30.0% |

Overnight

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 13.1% | 10.0% | 10.0% | 10.0% |
| Wellington | 13.1% | 10.0% | 10.0% | 10.0% |
| Porirua & Kapiti | 13.1% | 10.0% | 10.0% | 10.0% |
| Hutt & Wairarapa | 13.1% | 10.0% | 10.0% | 10.0% |

Home-Based Work - Rail kiss-and-ride

AM Peak

Home to Work

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 13.1% | 10.0% | 10.0% | 10.0% |
| Wellington | 13.1% | 10.0% | 10.0% | 10.0% |
| Porirua & Kapiti | 13.1% | 10.0% | 10.0% | 10.0% |
| Hutt & Wairarapa | 13.1% | 10.0% | 10.0% | 10.0% |

Work to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 50.2% | 50.2% | 50.2% | 51.2% |
| Wellington | 50.2% | 50.2% | 50.2% | 51.2% |
| Porirua & Kapiti | 49.2% | 49.2% | 49.2% | 51.2% |
| Hutt & Wairarapa | 56.2% | 56.2% | 56.2% | 53.2% |

Inter Peak

Home to Work

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 0.0% | 0.0% | 0.0% | 0.0% |
| Wellington | 0.0% | 0.0% | 0.0% | 0.0% |
| Porirua & Kapiti | 0.0% | 0.0% | 0.0% | 0.0% |
| Hutt & Wairarapa | 0.0% | 0.0% | 0.0% | 0.0% |

Work to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 2.0% | 2.0% | 2.0% | 2.0% |
| Wellington | 2.0% | 2.0% | 2.0% | 2.0% |
| Porirua & Kapiti | 2.0% | 2.0% | 2.0% | 2.0% |
| Hutt & Wairarapa | 2.0% | 2.0% | 2.0% | 2.0% |

PM Peak

Home to Work

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 0.0% | 0.0% | 0.0% | 0.0% |
| Wellington | 0.0% | 0.0% | 0.0% | 0.0% |
| Porirua & Kapiti | 0.0% | 0.0% | 0.0% | 0.0% |
| Hutt & Wairarapa | 0.0% | 0.0% | 0.0% | 0.0% |

Work to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 0.0% | 0.0% | 0.0% | 0.0% |
| Wellington | 0.0% | 0.0% | 0.0% | 0.0% |
| Porirua & Kapiti | 0.0% | 0.0% | 0.0% | 0.0% |
| Hutt & Wairarapa | 0.0% | 0.0% | 0.0% | 0.0% |

Overnight

Home to Work

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 40.5% | 40.5% | 38.5% | 34.5% |
| Wellington | 40.5% | 40.5% | 38.5% | 34.5% |
| Porirua & Kapiti | 37.5% | 37.5% | 36.5% | 34.5% |
| Hutt & Wairarapa | 37.5% | 37.5% | 36.5% | 34.5% |

Work to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 0.0% | 0.0% | 0.0% | 0.0% |
| Wellington | 0.0% | 0.0% | 0.0% | 0.0% |
| Porirua & Kapiti | 0.0% | 0.0% | 0.0% | 0.0% |
| Hutt & Wairarapa | 0.0% | 0.0% | 0.0% | 0.0% |

Home-Based Education - Rail kiss-and-ride

AM Peak

Home to Education

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 7.3% | 7.3% | 10.3% | 8.3% |
| Wellington | 7.3% | 7.3% | 10.3% | 8.3% |
| Porirua & Kapiti | 9.3% | 9.3% | 10.3% | 10.3% |
| Hutt & Wairarapa | 9.3% | 9.3% | 10.3% | 10.3% |

Education to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 50.3% | 50.3% | 52.3% | 52.3% |
| Wellington | 50.3% | 50.3% | 52.3% | 52.3% |
| Porirua & Kapiti | 58.2% | 58.2% | 55.3% | 55.3% |
| Hutt & Wairarapa | 58.2% | 58.2% | 55.3% | 55.3% |

Inter Peak

Home to Education

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 0.0% | 0.0% | 0.0% | 0.0% |
| Wellington | 0.0% | 0.0% | 0.0% | 0.0% |
| Porirua & Kapiti | 0.0% | 0.0% | 0.0% | 0.0% |
| Hutt & Wairarapa | 0.0% | 0.0% | 0.0% | 0.0% |

Education to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 26.7% | 26.7% | 25.3% | 25.3% |
| Wellington | 26.7% | 26.7% | 25.3% | 25.3% |
| Porirua & Kapiti | 24.7% | 24.7% | 25.3% | 25.3% |
| Hutt & Wairarapa | 24.7% | 24.7% | 25.3% | 25.3% |

PM Peak

Home to Education

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 0.0% | 0.0% | 0.0% | 0.0% |
| Wellington | 0.0% | 0.0% | 0.0% | 0.0% |
| Porirua & Kapiti | 0.0% | 0.0% | 0.0% | 0.0% |
| Hutt & Wairarapa | 0.0% | 0.0% | 0.0% | 0.0% |

Education to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 0.0% | 0.0% | 0.0% | 0.0% |
| Wellington | 0.0% | 0.0% | 0.0% | 0.0% |
| Porirua & Kapiti | 0.0% | 0.0% | 0.0% | 0.0% |
| Hutt & Wairarapa | 0.0% | 0.0% | 0.0% | 0.0% |

Overnight

Home to Education

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 13.3% | 13.3% | 12.9% | 12.9% |
| Wellington | 13.3% | 13.3% | 12.9% | 12.9% |
| Porirua & Kapiti | 13.1% | 13.1% | 13.1% | 13.1% |
| Hutt & Wairarapa | 13.1% | 13.1% | 13.1% | 13.1% |

Education to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 0.0% | 0.0% | 0.0% | 0.0% |
| Wellington | 0.0% | 0.0% | 0.0% | 0.0% |
| Porirua & Kapiti | 0.0% | 0.0% | 0.0% | 0.0% |
| Hutt & Wairarapa | 0.0% | 0.0% | 0.0% | 0.0% |

Home-Based Shopping - Rail kiss-and-ride

AM Peak

Home to Shopping

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 6.7% | 6.7% | 6.2% | 6.2% |
| Wellington | 6.7% | 6.7% | 6.2% | 6.2% |
| Porirua & Kapiti | 6.3% | 6.3% | 6.3% | 6.3% |
| Hutt & Wairarapa | 6.3% | 6.3% | 6.3% | 6.3% |

Shopping to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 23.0% | 22.0% | 22.0% | 22.0% |
| Wellington | 22.9% | 22.0% | 21.9% | 22.0% |
| Porirua & Kapiti | 21.9% | 21.9% | 21.9% | 21.9% |
| Hutt & Wairarapa | 22.9% | 21.9% | 21.9% | 21.9% |

Inter Peak

Home to Shopping

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 0.0% | 0.0% | 0.0% | 0.0% |
| Wellington | 0.0% | 0.0% | 0.0% | 0.0% |
| Porirua & Kapiti | 0.0% | 0.0% | 0.0% | 0.0% |
| Hutt & Wairarapa | 0.0% | 0.0% | 0.0% | 0.0% |

Shopping to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 19.3% | 20.0% | 19.3% | 20.0% |
| Wellington | 18.7% | 19.3% | 18.7% | 19.3% |
| Porirua & Kapiti | 18.7% | 18.7% | 18.0% | 18.7% |
| Hutt & Wairarapa | 18.7% | 18.7% | 18.0% | 18.7% |

PM Peak

Home to Shopping

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 0.0% | 0.0% | 0.0% | 0.0% |
| Wellington | 0.0% | 0.0% | 0.0% | 0.0% |
| Porirua & Kapiti | 0.0% | 0.0% | 0.0% | 0.0% |
| Hutt & Wairarapa | 0.0% | 0.0% | 0.0% | 0.0% |

Shopping to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 0.0% | 0.0% | 0.0% | 0.0% |
| Wellington | 0.0% | 0.0% | 0.0% | 0.0% |
| Porirua & Kapiti | 0.0% | 0.0% | 0.0% | 0.0% |
| Hutt & Wairarapa | 0.0% | 0.0% | 0.0% | 0.0% |

Overnight

Home to Shopping

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 41.9% | 41.9% | 40.9% | 36.9% |
| Wellington | 41.0% | 40.9% | 40.9% | 40.9% |
| Porirua & Kapiti | 40.9% | 40.9% | 40.8% | 40.8% |
| Hutt & Wairarapa | 41.0% | 40.9% | 40.9% | 40.9% |

Shopping to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 0.0% | 0.0% | 0.0% | 0.0% |
| Wellington | 0.0% | 0.0% | 0.0% | 0.0% |
| Porirua & Kapiti | 0.0% | 0.0% | 0.0% | 0.0% |
| Hutt & Wairarapa | 0.0% | 0.0% | 0.0% | 0.0% |

Home-Based Other - Rail kiss-and-ride

AM Peak

Home to Other

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 15.8% | 15.5% | 18.5% | 19.5% |
| Wellington | 19.0% | 18.8% | 18.5% | 18.5% |
| Porirua & Kapiti | 18.8% | 18.5% | 18.3% | 18.3% |
| Hutt & Wairarapa | 19.0% | 18.8% | 18.5% | 18.5% |

Other to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 38.5% | 39.5% | 39.5% | 39.5% |
| Wellington | 38.4% | 39.4% | 39.4% | 39.5% |
| Porirua & Kapiti | 34.9% | 40.4% | 40.4% | 40.5% |
| Hutt & Wairarapa | 40.3% | 39.4% | 39.4% | 39.4% |

Inter Peak

Home to Other

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 0.0% | 0.0% | 0.0% | 0.0% |
| Wellington | 0.0% | 0.0% | 0.0% | 0.0% |
| Porirua & Kapiti | 0.0% | 0.0% | 0.0% | 0.0% |
| Hutt & Wairarapa | 0.0% | 0.0% | 0.0% | 0.0% |

Other to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 22.0% | 22.0% | 22.7% | 23.3% |
| Wellington | 20.0% | 21.3% | 21.3% | 22.0% |
| Porirua & Kapiti | 20.7% | 21.3% | 21.3% | 22.0% |
| Hutt & Wairarapa | 18.7% | 20.0% | 20.0% | 20.7% |

PM Peak

Home to Other

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 0.0% | 0.0% | 0.0% | 0.0% |
| Wellington | 0.0% | 0.0% | 0.0% | 0.0% |
| Porirua & Kapiti | 0.0% | 0.0% | 0.0% | 0.0% |
| Hutt & Wairarapa | 0.0% | 0.0% | 0.0% | 0.0% |

Other to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 0.0% | 0.0% | 0.0% | 0.0% |
| Wellington | 0.0% | 0.0% | 0.0% | 0.0% |
| Porirua & Kapiti | 0.0% | 0.0% | 0.0% | 0.0% |
| Hutt & Wairarapa | 0.0% | 0.0% | 0.0% | 0.0% |

Overnight

Home to Other

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 26.1% | 25.7% | 28.1% | 23.5% |
| Wellington | 25.1% | 24.0% | 22.0% | 23.7% |
| Porirua & Kapiti | 25.3% | 24.0% | 22.0% | 23.7% |
| Hutt & Wairarapa | 25.4% | 24.1% | 22.1% | 23.9% |

Other to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 0.0% | 0.0% | 0.0% | 0.0% |
| Wellington | 0.0% | 0.0% | 0.0% | 0.0% |
| Porirua & Kapiti | 0.0% | 0.0% | 0.0% | 0.0% |
| Hutt & Wairarapa | 0.0% | 0.0% | 0.0% | 0.0% |

Non-Home-Based - Rail kiss-and-ride

AM Peak

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 15.4% | 14.9% | 15.4% | 13.6% |
| Wellington | 15.4% | 15.2% | 15.2% | 14.9% |
| Porirua & Kapiti | 15.6% | 15.2% | 15.2% | 14.9% |
| Hutt & Wairarapa | 15.7% | 15.4% | 15.4% | 15.1% |

Inter Peak

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 13.5% | 5.0% | 6.0% | 6.0% |
| Wellington | 13.5% | 6.0% | 6.0% | 6.0% |
| Porirua & Kapiti | 13.5% | 6.0% | 6.0% | 6.0% |
| Hutt & Wairarapa | 13.5% | 6.0% | 6.0% | 6.0% |

PM Peak

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 13.1% | 15.0% | 18.0% | 19.0% |
| Wellington | 14.6% | 18.0% | 18.0% | 19.0% |
| Porirua & Kapiti | 14.6% | 18.0% | 18.0% | 19.0% |
| Hutt & Wairarapa | 14.6% | 18.0% | 18.0% | 19.0% |

Overnight

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 52.9% | 77.0% | 73.0% | 73.0% |
| Wellington | 51.4% | 74.0% | 73.0% | 72.0% |
| Porirua & Kapiti | 51.4% | 74.0% | 73.0% | 72.0% |
| Hutt & Wairarapa | 51.4% | 74.0% | 73.0% | 72.0% |

Business - Rail kiss-and-ride

AM Peak

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 20.5% | 3.0% | 4.0% | 3.0% |
| Wellington | 20.5% | 3.0% | 3.0% | 3.0% |
| Porirua & Kapiti | 20.5% | 3.0% | 3.0% | 3.0% |
| Hutt & Wairarapa | 20.5% | 3.0% | 3.0% | 3.0% |

Inter Peak

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 59.3% | 52.0% | 52.0% | 52.0% |
| Wellington | 59.3% | 52.0% | 52.0% | 52.0% |
| Porirua & Kapiti | 59.3% | 52.0% | 52.0% | 52.0% |
| Hutt & Wairarapa | 59.3% | 52.0% | 52.0% | 52.0% |

PM Peak

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 6.2% | 8.0% | 8.0% | 8.0% |
| Wellington | 6.2% | 8.0% | 8.0% | 8.0% |
| Porirua & Kapiti | 6.2% | 8.0% | 8.0% | 8.0% |
| Hutt & Wairarapa | 6.2% | 8.0% | 8.0% | 8.0% |

Overnight

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 21.4% | 30.0% | 30.0% | 30.0% |
| Wellington | 21.4% | 30.0% | 30.0% | 30.0% |
| Porirua & Kapiti | 21.4% | 30.0% | 30.0% | 30.0% |
| Hutt & Wairarapa | 21.4% | 30.0% | 30.0% | 30.0% |

Home-Based Work - Active mode

AM Peak

Home to Work

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 43.3% | 46.7% | 45.4% | 48.7% |
| Wellington | 46.2% | 40.8% | 45.8% | 49.0% |
| Porirua & Kapiti | 44.8% | 44.4% | 47.3% | 50.6% |
| Hutt & Wairarapa | 49.3% | 47.9% | 50.1% | 53.6% |

Work to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 0.8% | 0.7% | 0.8% | 0.8% |
| Wellington | 0.8% | 1.1% | 0.9% | 0.9% |
| Porirua & Kapiti | 0.8% | 0.8% | 0.8% | 0.8% |
| Hutt & Wairarapa | 0.8% | 0.7% | 0.8% | 0.7% |

Inter Peak

Home to Work

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 12.7% | 9.7% | 11.5% | 10.9% |
| Wellington | 8.8% | 10.0% | 10.1% | 9.6% |
| Porirua & Kapiti | 9.7% | 9.9% | 10.7% | 10.1% |
| Hutt & Wairarapa | 9.5% | 9.4% | 10.2% | 9.6% |

Work to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 5.8% | 6.2% | 6.9% | 6.7% |
| Wellington | 8.1% | 8.3% | 7.9% | 7.5% |
| Porirua & Kapiti | 6.7% | 7.0% | 7.4% | 7.1% |
| Hutt & Wairarapa | 6.3% | 6.6% | 7.0% | 6.7% |

PM Peak

Home to Work

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 1.0% | 0.9% | 1.0% | 1.0% |
| Wellington | 1.0% | 1.2% | 1.1% | 1.1% |
| Porirua & Kapiti | 1.0% | 1.1% | 1.1% | 1.0% |
| Hutt & Wairarapa | 1.0% | 1.0% | 1.0% | 1.0% |

Work to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 23.4% | 23.8% | 24.4% | 20.7% |
| Wellington | 23.3% | 27.3% | 24.5% | 22.7% |
| Porirua & Kapiti | 22.2% | 22.8% | 20.5% | 19.2% |
| Hutt & Wairarapa | 20.7% | 21.2% | 19.2% | 17.7% |

Overnight

Home to Work

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 1.4% | 1.5% | 1.6% | 1.6% |
| Wellington | 1.7% | 2.0% | 1.9% | 1.8% |
| Porirua & Kapiti | 1.8% | 2.0% | 2.0% | 1.9% |
| Hutt & Wairarapa | 1.8% | 1.9% | 1.9% | 1.8% |

Work to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 11.6% | 11.6% | 10.6% | 10.3% |
| Wellington | 9.0% | 9.3% | 9.3% | 8.8% |
| Porirua & Kapiti | 10.7% | 10.5% | 10.1% | 9.6% |
| Hutt & Wairarapa | 10.1% | 10.0% | 9.5% | 9.0% |

Home-Based Education - Active mode

AM Peak

Home to Education

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 35.8% | 39.2% | 39.0% | 40.7% |
| Wellington | 38.4% | 38.9% | 39.0% | 40.6% |
| Porirua & Kapiti | 37.5% | 39.4% | 39.3% | 40.8% |
| Hutt & Wairarapa | 39.2% | 40.9% | 40.8% | 42.4% |

Education to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 1.5% | 1.5% | 1.3% | 1.4% |
| Wellington | 1.3% | 1.2% | 1.2% | 1.2% |
| Porirua & Kapiti | 1.3% | 1.2% | 1.2% | 1.2% |
| Hutt & Wairarapa | 1.4% | 1.2% | 1.2% | 1.3% |

Inter Peak

Home to Education

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 12.3% | 11.8% | 9.9% | 11.0% |
| Wellington | 13.4% | 11.7% | 10.1% | 11.0% |
| Porirua & Kapiti | 9.9% | 9.9% | 8.2% | 9.1% |
| Hutt & Wairarapa | 10.9% | 10.8% | 9.1% | 10.0% |

Education to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 8.6% | 11.2% | 10.8% | 10.4% |
| Wellington | 8.5% | 8.9% | 9.6% | 9.2% |
| Porirua & Kapiti | 9.3% | 9.6% | 10.3% | 9.9% |
| Hutt & Wairarapa | 8.9% | 9.2% | 9.9% | 9.6% |

PM Peak

Home to Education

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 2.1% | 1.8% | 1.9% | 2.0% |
| Wellington | 2.1% | 1.6% | 1.6% | 1.7% |
| Porirua & Kapiti | 1.8% | 1.6% | 1.7% | 1.8% |
| Hutt & Wairarapa | 2.0% | 1.7% | 1.8% | 1.9% |

Education to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 37.6% | 31.6% | 37.0% | 34.4% |
| Wellington | 35.7% | 36.3% | 36.8% | 34.5% |
| Porirua & Kapiti | 36.8% | 36.9% | 37.8% | 35.6% |
| Hutt & Wairarapa | 34.3% | 34.7% | 35.6% | 33.2% |

Overnight

Home to Education

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 0.2% | 0.2% | 0.2% | 0.2% |
| Wellington | 0.2% | 0.2% | 0.2% | 0.2% |
| Porirua & Kapiti | 0.2% | 0.2% | 0.2% | 0.2% |
| Hutt & Wairarapa | 0.2% | 0.2% | 0.2% | 0.2% |

Education to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 1.8% | 1.7% | 1.5% | 1.6% |
| Wellington | 1.5% | 1.3% | 1.4% | 1.4% |
| Porirua & Kapiti | 1.5% | 1.3% | 1.4% | 1.4% |
| Hutt & Wairarapa | 1.6% | 1.4% | 1.4% | 1.5% |

Home-Based Shopping - Active mode

AM Peak

Home to Shopping

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 5.4% | 5.9% | 5.9% | 6.0% |
| Wellington | 6.2% | 5.1% | 6.0% | 6.2% |
| Porirua & Kapiti | 5.8% | 5.7% | 5.6% | 5.8% |
| Hutt & Wairarapa | 6.0% | 5.9% | 5.8% | 6.0% |

Shopping to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 2.4% | 2.5% | 2.4% | 2.5% |
| Wellington | 3.2% | 3.0% | 2.8% | 2.9% |
| Porirua & Kapiti | 2.6% | 2.8% | 2.7% | 2.8% |
| Hutt & Wairarapa | 2.6% | 2.9% | 2.8% | 2.8% |

Inter Peak

Home to Shopping

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 23.8% | 23.8% | 24.9% | 24.7% |
| Wellington | 21.0% | 20.5% | 22.5% | 22.2% |
| Porirua & Kapiti | 23.0% | 23.3% | 24.4% | 24.1% |
| Hutt & Wairarapa | 22.7% | 23.1% | 24.1% | 23.9% |

Shopping to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 26.1% | 23.0% | 24.5% | 23.4% |
| Wellington | 23.4% | 22.3% | 23.3% | 22.3% |
| Porirua & Kapiti | 25.3% | 23.8% | 25.2% | 24.2% |
| Hutt & Wairarapa | 24.3% | 22.7% | 24.2% | 23.1% |

PM Peak

Home to Shopping

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 8.6% | 9.0% | 8.2% | 8.5% |
| Wellington | 9.7% | 10.6% | 9.7% | 10.0% |
| Porirua & Kapiti | 8.3% | 9.1% | 8.4% | 8.6% |
| Hutt & Wairarapa | 8.6% | 9.4% | 8.6% | 8.8% |

Shopping to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 19.0% | 24.8% | 22.5% | 23.3% |
| Wellington | 21.4% | 26.6% | 22.9% | 23.7% |
| Porirua & Kapiti | 19.5% | 23.1% | 21.0% | 21.7% |
| Hutt & Wairarapa | 20.2% | 24.0% | 21.7% | 22.5% |

Overnight

Home to Shopping

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 5.0% | 4.2% | 4.1% | 4.4% |
| Wellington | 4.2% | 3.9% | 3.7% | 3.9% |
| Porirua & Kapiti | 4.0% | 3.6% | 3.5% | 3.8% |
| Hutt & Wairarapa | 4.3% | 3.8% | 3.8% | 4.0% |

Shopping to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 9.6% | 8.7% | 9.5% | 9.2% |
| Wellington | 9.1% | 7.9% | 9.1% | 8.8% |
| Porirua & Kapiti | 9.4% | 8.5% | 9.3% | 9.1% |
| Hutt & Wairarapa | 9.2% | 8.3% | 9.1% | 8.8% |

Home-Based Other - Active mode

AM Peak

Home to Other

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 12.1% | 8.7% | 11.2% | 11.5% |
| Wellington | 10.7% | 9.2% | 11.3% | 10.5% |
| Porirua & Kapiti | 12.0% | 10.0% | 10.8% | 11.0% |
| Hutt & Wairarapa | 12.1% | 10.2% | 10.9% | 11.2% |

Other to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 4.7% | 4.7% | 5.1% | 5.7% |
| Wellington | 5.3% | 5.6% | 5.7% | 6.2% |
| Porirua & Kapiti | 5.5% | 6.3% | 5.8% | 6.3% |
| Hutt & Wairarapa | 6.0% | 6.2% | 6.3% | 6.8% |

Inter Peak

Home to Other

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 16.1% | 16.2% | 19.4% | 19.2% |
| Wellington | 14.2% | 18.0% | 16.6% | 20.2% |
| Porirua & Kapiti | 19.8% | 20.5% | 23.7% | 23.2% |
| Hutt & Wairarapa | 19.4% | 20.1% | 23.1% | 22.7% |

Other to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 18.8% | 16.6% | 20.1% | 18.6% |
| Wellington | 23.1% | 17.6% | 19.8% | 18.3% |
| Porirua & Kapiti | 20.2% | 16.6% | 21.7% | 20.0% |
| Hutt & Wairarapa | 18.7% | 17.8% | 20.1% | 18.7% |

PM Peak

Home to Other

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 10.4% | 10.1% | 10.8% | 9.1% |
| Wellington | 11.4% | 11.9% | 12.8% | 9.9% |
| Porirua & Kapiti | 10.6% | 11.3% | 10.8% | 9.3% |
| Hutt & Wairarapa | 9.0% | 9.8% | 9.5% | 7.9% |

Other to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 13.2% | 15.1% | 11.3% | 12.0% |
| Wellington | 13.3% | 12.4% | 11.0% | 11.7% |
| Porirua & Kapiti | 12.0% | 12.9% | 9.2% | 10.4% |
| Hutt & Wairarapa | 12.3% | 11.9% | 9.9% | 10.7% |

Overnight

Home to Other

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 8.8% | 8.8% | 7.8% | 8.3% |
| Wellington | 8.2% | 9.7% | 8.7% | 8.4% |
| Porirua & Kapiti | 7.8% | 8.3% | 7.0% | 7.5% |
| Hutt & Wairarapa | 8.3% | 8.8% | 7.4% | 7.9% |

Other to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 15.8% | 19.0% | 13.3% | 14.8% |
| Wellington | 14.6% | 15.7% | 13.4% | 14.9% |
| Porirua & Kapiti | 13.2% | 14.7% | 11.0% | 12.5% |
| Hutt & Wairarapa | 14.9% | 15.0% | 12.7% | 14.2% |

Non-Home-Based - Active mode

AM Peak

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 8.1% | 10.0% | 9.5% | 9.0% |
| Wellington | 11.6% | 8.6% | 10.9% | 10.5% |
| Porirua & Kapiti | 10.1% | 10.4% | 10.9% | 10.7% |
| Hutt & Wairarapa | 9.5% | 9.5% | 10.3% | 9.9% |

Inter Peak

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 62.4% | 50.7% | 57.8% | 61.8% |
| Wellington | 55.7% | 53.8% | 53.0% | 57.2% |
| Porirua & Kapiti | 57.7% | 53.1% | 54.4% | 57.6% |
| Hutt & Wairarapa | 60.7% | 57.4% | 57.7% | 61.4% |

PM Peak

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 20.3% | 25.6% | 24.4% | 20.7% |
| Wellington | 20.6% | 26.9% | 27.2% | 23.4% |
| Porirua & Kapiti | 23.6% | 26.8% | 27.3% | 23.8% |
| Hutt & Wairarapa | 21.2% | 23.7% | 24.5% | 21.1% |

Overnight

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 9.2% | 13.7% | 8.3% | 8.4% |
| Wellington | 12.1% | 10.8% | 8.9% | 9.0% |
| Porirua & Kapiti | 8.6% | 9.6% | 7.4% | 7.8% |
| Hutt & Wairarapa | 8.6% | 9.4% | 7.5% | 7.6% |

Business - Active mode

AM Peak

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 18.5% | 18.8% | 18.1% | 17.8% |
| Wellington | 18.2% | 17.7% | 17.6% | 17.3% |
| Porirua & Kapiti | 18.2% | 18.0% | 17.4% | 17.1% |
| Hutt & Wairarapa | 17.9% | 17.8% | 17.1% | 16.9% |

Inter Peak

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 56.9% | 56.2% | 57.9% | 55.7% |
| Wellington | 56.6% | 57.1% | 58.3% | 56.1% |
| Porirua & Kapiti | 57.8% | 58.0% | 59.5% | 57.4% |
| Hutt & Wairarapa | 55.5% | 55.8% | 57.4% | 55.3% |

PM Peak

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 22.0% | 22.3% | 21.5% | 24.0% |
| Wellington | 22.7% | 22.6% | 21.6% | 24.1% |
| Porirua & Kapiti | 21.6% | 21.4% | 20.7% | 23.1% |
| Hutt & Wairarapa | 24.2% | 24.0% | 23.1% | 25.5% |

Overnight

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 2.5% | 2.6% | 2.5% | 2.5% |
| Wellington | 2.5% | 2.7% | 2.5% | 2.5% |
| Porirua & Kapiti | 2.4% | 2.5% | 2.4% | 2.4% |
| Hutt & Wairarapa | 2.4% | 2.5% | 2.4% | 2.4% |

Appendix C Occupancy factors

Home-Based Work - Light Vehicles

AM Peak

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 1.33 | 1.08 | | |
| Wellington | | | | |
| Porirua & Kapiti | | | | |
| Hutt & Wairarapa | | | | |

Inter Peak

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 1.07 | | | |
| Wellington | | | | |
| Porirua & Kapiti | | | | |
| Hutt & Wairarapa | | | | |

PM Peak

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 1.28 | | 1.22 | 1.28 |
| Wellington | 1.13 | | 1.13 | |
| Porirua & Kapiti | | | | |
| Hutt & Wairarapa | | | 1.11 | |

Overnight

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 1.19 | | | |
| Wellington | | | | |
| Porirua & Kapiti | | | | |
| Hutt & Wairarapa | | | | |

Home-Based Shopping - Light Vehicles

AM Peak

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 1.60 | 1.19 | | |
| Wellington | | | | |
| Porirua & Kapiti | | | | |
| Hutt & Wairarapa | | | | |

Inter Peak

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 1.26 | | | |
| Wellington | | | | |
| Porirua & Kapiti | | | | |
| Hutt & Wairarapa | | | | |

PM Peak

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | | 1.27 | | |
| Wellington | | 1.50 | | |
| Porirua & Kapiti | | 1.44 | | |
| Hutt & Wairarapa | | | | |

Overnight

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 1.36 | | | |
| Wellington | | | | |
| Porirua & Kapiti | | | | |
| Hutt & Wairarapa | | | | |

Home-Based Education - Light Vehicles

AM Peak

Home to Education

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 2.89 | | | |
| Wellington | | | | |
| Porirua & Kapiti | | | | |
| Hutt & Wairarapa | | | | |

Education to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 1.20 | | | |
| Wellington | | | | |
| Porirua & Kapiti | | | | |
| Hutt & Wairarapa | | | | |

Inter Peak

Home to Education

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 2.02 | | | |
| Wellington | | | | |
| Porirua & Kapiti | | | | |
| Hutt & Wairarapa | | | | |

Education to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 2.42 | | | |
| Wellington | | | | |
| Porirua & Kapiti | | | | |
| Hutt & Wairarapa | | | | |

PM Peak

Home to Education

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 1.19 | | | |
| Wellington | | | | |
| Porirua & Kapiti | | | | |
| Hutt & Wairarapa | | | | |

Education to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 3.14 | | | |
| Wellington | | | | |
| Porirua & Kapiti | | | | |
| Hutt & Wairarapa | | | | |

Overnight

Home to Education

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 1.82 | | | |
| Wellington | | | | |
| Porirua & Kapiti | | | | |
| Hutt & Wairarapa | | | | |

Education to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 2.33 | | | |
| Wellington | | | | |
| Porirua & Kapiti | | | | |
| Hutt & Wairarapa | | | | |

Home-Based Other - Light Vehicles

AM Peak

Home to Other

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 1.49 | | | |
| Wellington | | | | |
| Porirua & Kapiti | | | | |
| Hutt & Wairarapa | | | | |

Other to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 1.09 | | | |
| Wellington | | | | |
| Porirua & Kapiti | | | | |
| Hutt & Wairarapa | | | | |

Inter Peak

Home to Other

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 1.54 | | | |
| Wellington | | | | |
| Porirua & Kapiti | 1.34 | | | |
| Hutt & Wairarapa | | | | |

Other to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 1.34 | | | |
| Wellington | | | | |
| Porirua & Kapiti | | | | |
| Hutt & Wairarapa | | | | |

PM Peak

Home to Other

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 1.59 | | | |
| Wellington | | | | |
| Porirua & Kapiti | | | | |
| Hutt & Wairarapa | | | | |

Other to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 1.64 | | | |
| Wellington | | | | |
| Porirua & Kapiti | 1.46 | | | |
| Hutt & Wairarapa | | | | |

Overnight

Home to Other

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 1.44 | | | |
| Wellington | | | | |
| Porirua & Kapiti | | | | |
| Hutt & Wairarapa | | | | |

Other to Home

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 1.62 | | | |
| Wellington | | | | |
| Porirua & Kapiti | | | | |
| Hutt & Wairarapa | | | | |

Non Home Based - Light Vehicles

AM Peak

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 1.31 | | 1.24 | |
| Wellington | | | | |
| Porirua & Kapiti | 1.24 | | | |
| Hutt & Wairarapa | 1.33 | | | |

Inter Peak

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 1.22 | | 1.28 | |
| Wellington | | | | |
| Porirua & Kapiti | | | | |
| Hutt & Wairarapa | | | | |

PM Peak

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 1.32 | | 1.40 | |
| Wellington | | 1.51 | | |
| Porirua & Kapiti | 1.33 | | 1.37 | |
| Hutt & Wairarapa | | | | |

Overnight

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 1.51 | | 1.45 | |
| Wellington | | | | |
| Porirua & Kapiti | | | | |
| Hutt & Wairarapa | | | | |

Business - Light Vehicles

AM Peak

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | | 1.05 | | |
| Wellington | | | | |
| Porirua & Kapiti | | | | |
| Hutt & Wairarapa | | | | |

Inter Peak

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 1.09 | | 1.09 | |
| Wellington | | | | |
| Porirua & Kapiti | | | | |
| Hutt & Wairarapa | | | | |

PM Peak

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 1.14 | | 1.14 | |
| Wellington | | | | |
| Porirua & Kapiti | | | | |
| Hutt & Wairarapa | | | | |

Overnight

| Sector | Central | Wellington | Porirua & Kapiti | Hutt & Wairarapa |
|------------------|---------|------------|------------------|------------------|
| Central | 1.10 | | 1.10 | |
| Wellington | | | | |
| Porirua & Kapiti | | | | |
| Hutt & Wairarapa | | | | |

Christchurch

Hazeldean Business Park, 6 Hazeldean Road
Addington, Christchurch 8024
PO Box 13-052, Armagh
Christchurch 8141
Tel +64 3 366 7449
Fax +64 3 366 7780

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