

## Statistics on Cable Car, Bus & rail services

| Criteria:                              | Cable car   | Route 22<br>(Vic Uni to Station variant only)   |
|--|---|---|
| 'Frequent'                             | <ul style="list-style-type: none"> <li>10 minute standard</li> <li>5 minute during peak (on demand when terminal is full)</li> </ul>                      | <ul style="list-style-type: none"> <li>7.5 minute frequency during peak</li> <li>10 minute standard frequency</li> </ul>  |
| 'Quick'                                | <ul style="list-style-type: none"> <li>3-5 minute journey</li> <li>#22 bus from upland road/Glasgow St to Wellington station takes ~15 minutes</li> </ul> | <ul style="list-style-type: none"> <li>Maximum 10 minute run time between the university and station both directions (would need ~8min walk to cable car kiosk for comparison)</li> </ul> |
| 'Reliable'                             | <ul style="list-style-type: none"> <li>99% reliability.</li> <li>Closed for one week/year for maintenance.</li> </ul>                                     | <b>Punctuality</b> 93.9%<br><b>Reliability</b> 98.2%  |
| 'High-capacity'                        | <ul style="list-style-type: none"> <li>80 pax each way.</li> <li>Equates to 480pax/hr on 10 minute interval or 960pax/hr on 5 minute interval.</li> </ul> | <ul style="list-style-type: none"> <li>Max 75 pax</li> <li>Equates to 600pax/hr on 7.5minute interval or 450pax/hr on 10minute interval</li> </ul>  |
| Largely separated from other transport | Yes   | No  |

| Criteria:  | J'ville line  | Route 22  | Route 19e   | Route 60e   | Route 24 Jville to Station   | Route 1  | Route 52  | Route 56  |
|------------|---|---|---|---|--|--|---|---|
|            |   | Mairangi to station (Jville variant)  | Churton Park to Station via Jville  | Jville station to WGTN station  | (via Broadmeadows and Khandallah)  | Jville hub to station  | Jville Station to WGTN station via woodridge /newlands  | Jville to station via Paparangi, Newlands                       |
| 'Frequent' | 4 trains per hour peak (every 15min) both directions (6.30am-9.00am)(4.00pm-7.00pm)<br><br>2 trains per hour off peak (every 30min) both directions | 35 minute average frequency morning peak.<br><br>1 service per hour off peak<br><br>1 service per hour evening peak (both ways)                         | 20 minute frequency during am peak<br><br>15-20 minute frequency during pm peak<br><br>30 minute standard<br><br>(Leaves Jville and collects people from Churton Park for transit to other services from Jville. Continues to Wgtn Station in morning peak) | 30 minute average frequency (largely peak)                                  | 15 minute frequency during am peak<br><br>7 minute frequency during pm peak<br><br>30 minutes shoulder of peak<br><br>60 minutes standard  | 8 minute frequency during am peak<br><br>7 minute frequency during pm peak<br><br>10 minute standard frequency | 30 minutes peak frequency (counter-directional i.e. am leaving the city, pm returning to city)<br><br>30 minutes standard | 20 minutes frequency (largely peak only)                        |
| 'Quick'    | Peak: 23 mins (counter peak 28 mins) from J'Ville<br><br>Off-peak: 23 mins from J'Ville   | 57 minute journey peak<br><br>45 minute off peak<br><br>GWRC supplied data from Mairangi rather than Jville so have supplemented from Metlink timetable | 20 minute runtime (from Jville station to Wgtn station)   | 18-25 minute morning peak runtime<br><br>16-18 minute evening peak runtime. | 35 to 40 minutes peak runtime (From Jville)<br><br>30 minutes off-peak runtime (from Jville)<br><br>~20 minutes to/from Khandallah village | 15-20 minute run time all day  | 36-39 minutes run time all day  | 30-45 minutes peak run time<br><br>27 minutes off-peak run time |
| 'Reliable' | 2019/20 (% of trains that have not been cancelled,  | <b>Punctuality</b> 93.9%<br><b>Reliability</b> 98.2%  | <b>Punctuality</b> 83.6%<br><b>Reliability</b> 98.6%  | <b>Punctuality</b> 94.2%<br><b>Reliability</b> 99.7%                        | <b>Punctuality</b> 92.3%<br><b>Reliability</b> 99.1%   | <b>Punctuality</b> 88.9%<br><b>Reliability</b> 99.2%   | <b>Punctuality</b> 96.2%<br><b>Reliability</b> 99.7%  | <b>Punctuality</b> 94.0%<br><b>Reliability</b> 99.8%            |

### Statistics on Cable Car, Bus & rail services

|   |  |  |   |  |   |   |   |  |
|---|--|--|---|--|---|---|---|--|
|   | <p>run with less capacity and that have stopped at every station):</p> <ul style="list-style-type: none"> <li>J'ville: 97.5%</li> </ul> <p>(% of services that have run on time (within five mins of their scheduled time)</p> <ul style="list-style-type: none"> <li>J'ville: 96.5%</li> </ul>  |  |   |  |   |   |   |  |
| <b>'High-capacity'</b>                        | <ul style="list-style-type: none"> <li>J'ville: <ul style="list-style-type: none"> <li>Total: 1.13 million</li> <li>Peak: 709k</li> <li>Please note this is down 22.7% compared to last year due to covid (21.2% in peak)</li> </ul> </li> </ul> <p>Off peak trains are all run by two car units, each two car unit can hold 246 people, sitting and standing.</p> <p>Peak trains on the J'ville are all 4 car which is 492.</p> <p><b>Off peak capacity:</b><br/>492pax/hr (246*2 trips)</p> <p><b>Peak capacity:</b><br/>1968pax/hr (492*4trips)</p> | <p>Max 75 Pax each way</p> <ul style="list-style-type: none"> <li>~150pax/hr morning peak</li> <li>75 pax/hr other times</li> </ul> <p>549,194 total pax FY20 (July 19 to June 20)</p> <p>269,398 peak pax FY20 (-14% FY19)</p> <p>These pax figures are from Mairangi</p> | <p>Max 75pax</p> <ul style="list-style-type: none"> <li>~225pax/hr morning and evening peak</li> </ul> <p>89,285 total pax FY20<br/>86,336 peak pax FY20 (-26%)</p> | <p>Max 75 Pax</p> <ul style="list-style-type: none"> <li>Equates to 150pax/hr</li> </ul> | <p>Max 75 Pax</p> <ul style="list-style-type: none"> <li>~300pax/hr morning peak</li> <li>~600pax/hr evening peak</li> <li>~150pax/hr shoulder peak</li> <li>75pax/hr standard time</li> </ul> <p>556,070 total pax FY20<br/>363,813 peak pax FY20 (-17%)</p> | <p>Either a 75pax or 95 pax vehicle is used. Calculations that follow take a midpoint of 85.</p> <ul style="list-style-type: none"> <li>~630pax/hr morning peak</li> <li>~730pax/hr evening peak</li> <li>~510pax/hr standard</li> </ul> <p>2,773,493 total pax FY20<br/>1,323,763 peak pax FY20 (-18%)</p> | <p>Max 75 pax</p> <ul style="list-style-type: none"> <li>150pax/hr</li> </ul> <p>420,310 total pax FY20<br/>143,353 peak pax (-24%)</p> | <p>Either a 75pax or 95 pax vehicle is used. Calculations that follow take a midpoint of 85.</p> <ul style="list-style-type: none"> <li>~255 pax/hr</li> </ul> <p>121,571 total pax FY20<br/>117,421 peak pax (-18%)</p> |
| <b>Largely separated from other transport</b> | Yes  | No   | No  | No   | No  | No  | No  | No   |

## Statistics on Cable Car, Bus & rail services

| Criteria:       | Kapiti line  | Route 60e<br>(Porirua to Station- continues to Courtenay Place)– Alternative to Kapiti line  |
|-----------------|--|--|
| ‘Frequent’      | <p><b>Peak (From Porirua)</b></p> <p><i>Express to Wellington</i></p> <ul style="list-style-type: none"> <li>• Morning: 3 per hour towards wellington</li> <li>• Afternoon: 3 per hour towards Porirua</li> </ul> <p>All stops</p> <ul style="list-style-type: none"> <li>• Morning: 5 peak services between 7 and 8am towards wellington and 3 services towards Porirua</li> <li>• Afternoon: 3 peak between 5 and 6pm towards Porirua and 3 peak services between 5 and 6pm towards wellington</li> </ul> <p><b>Off peak (From Porirua)</b></p> <p>All stops</p> <ul style="list-style-type: none"> <li>• 3 services per hour both ways between 9am and 3pm Weekdays</li> <li>• 2 services per hour both ways all other off peak times</li> </ul>  | 30 minute average frequency (largely peak)   |
| ‘Quick’         | <ul style="list-style-type: none"> <li>• Peak: 22mins from Porirua</li> <li>• Off-peak: 21 mins from Porirua</li> </ul>  | <ul style="list-style-type: none"> <li>• 55 minute runtime in morning peak</li> <li>• 41-45 minute runtime in evening peak.</li> </ul>             |
| ‘Reliable’      | <p>2019/20 (% of trains that have not been cancelled, run with less capacity and that have stopped at every station):</p> <ul style="list-style-type: none"> <li>• Waikanae: 95.4%</li> </ul> <p>(% of services that have run on time (within five mins of their scheduled time)</p> <ul style="list-style-type: none"> <li>• Waikanae: 86.7%</li> </ul>   | <p><b>Punctuality</b> 94.2%</p> <p><b>Reliability</b> 99.7%</p>  |
| ‘High-capacity’ | <p>Waikanae:</p> <ul style="list-style-type: none"> <li>○ Total 4.82m</li> <li>○ Peak: 3.11 m</li> <li>○ Please note this is down 19.7% compared to last year due to covid (also 19.7% in peak)</li> </ul> <p>Off peak trains are all run by two car units, each two car unit can hold 246 people, sitting and standing.</p> <p>Peak trains south of Porirua are mostly run by 6-car trains which holds 738pax.</p> <p><i>For the purposes of this exercise direct services to/from Porirua to Wellington are excluded.</i></p> <p>Peak capacity</p> <ul style="list-style-type: none"> <li>• 5 peak services between 7 and 8am towards wellington and 3 towards Porirua</li> </ul> <p><b>Between 7 and 8am = 3690pax/hr inbound to Wgtn (738*5) and 2214pax/hr outbound to Porirua (738*3).</b></p> <ul style="list-style-type: none"> <li>• Afternoon: 3 peak services between 5 and 6pm both ways</li> </ul> <p><b>Between 5 and 6pm = 2214pax/hr both ways</b></p> | <ul style="list-style-type: none"> <li>• Max 75 Pax</li> <li>• <b>Equates to 150pax/hr</b></li> </ul> <p>84,507 pax<br/>80,656 peak pax (-32%)</p> |

Statistics on Cable Car, Bus & rail services

|  |  |           |
|--|--|-----------|
|  | <p><b>Off peak</b></p> <ul style="list-style-type: none"><li>• Between 9am and 3pm Weekdays <b>738pax/hour</b> (246*3)</li><li>• All other off peak times <b>492pax/hour</b> (246*2)</li></ul> |           |
| <p><b>Largely separated from other transport</b></p> | <p>Yes</p>   | <p>No</p> |

## Statistics on Cable Car, Bus & rail services

### Bus data notes:

- Frequency not necessarily spaced evenly, but instead averaged across the peak periods (7-9 in am, 4-6 in pm)
- Trips in am, except noted exceptions, run from suburbs into the city, pm services the opposite
- Pax figures are for the total route over the course of the financial year, they are not split by route segments or direction
- Pax numbers were heavily affected by Covid. Pre-Covid forecasting was an estimated 5% growth across the network, with especially high growth of 10+% expected in Porirua (Route 60e)

### Bus capacities

| Table 1 row # | Vehicle Size        |                    | Passenger capacity (seated and standing) <sup>[1]</sup>               | Maximum Vehicle Length <sup>[2]</sup>         |                           |
|---------------|---------------------|--------------------|---|---|---------------------------|
|               | GWRC Classification | RUB Classification |   | New Vehicle (metres)                          | Existing Vehicle (metres) |
| T1.1          | Small Vehicle (SV)  | SB (RUB)           | 30 - 53 passengers(excluding driver) includes minimum of 24 seats     | 10  | 11.8                      |
| T1.2          | Medium Vehicle (MV) | SB (RUB)           | 54 - 74 passengers (excluding driver) includes minimum of 24 seats    | 11.8  | 12.2                      |
| T1.3          | Large Vehicle (LV)  | LB (RUB)           | 75 or more passengers (excluding driver) includes minimum of 36 seats | 12.8  | 13.5                      |
| T1.4          | Double Decker (DD)  | LBDD (RUB)         | 95 or more passengers (excluding driver) includes minimum of 80 seats | 12.8<br>Recommend length to be less than this | n/a                       |

July 2019 to June 2020

Punctuality = % of services departing from origin between 1 minute early & 5 minutes late

Reliability = % of scheduled services that actually ran, as tracked by RTI & Snapper systems

<sup>[1]</sup> RUB provides information on the number of seated passengers required per Vehicle size classification

<sup>[2]</sup> Maximum Vehicle lengths shown in the table exclude the additional length required for a deployed bike rack