
To: Regional Planning Committee

From: Heidi Lam, Senior Policy and Planning Analyst, Regional Planning and Housing Services

Date: October 5, 2021 Meeting Date: November 5, 2021

Subject: ***Metro Vancouver 2040: Shaping our Future - 2020 Annual Performance Monitoring Report***

RECOMMENDATION

That the MVRD Board receive for information the report dated October 5, 2021, titled “*Metro Vancouver 2040: Shaping our Future - 2020 Annual Performance Monitoring Report*”, and direct staff to forward a copy to the Province of BC’s Ministry of Municipal Affairs, Local Government Division.

EXECUTIVE SUMMARY

The *Local Government Act* and *Metro Vancouver 2040: Shaping our Future (Metro 2040)* require the preparation of an annual report on the regional growth strategy’s progress. The 2020 Annual Performance Monitoring Report provides a summary update on the performance measures with relevant annual change and available data. A complete profile of *Metro 2040*’s performance measures with a detailed data breakdown is available in the *Metro 2040* Performance Monitoring Dashboard on the Metro Vancouver website (Reference 1).

PURPOSE

To provide the Regional Planning Committee and MVRD Board the 2020 annual performance monitoring report of the region’s performance toward the goals of *Metro 2040*. This is based on the key summary and context measures in Section G of the regional growth strategy, from plan adoption in 2011 to 2020, as well as the policy and regional land use designation amendments to date.

BACKGROUND

Metro 2040 is the regional federation’s shared vision to guide urban growth among the 23 member jurisdictions comprising the Metro Vancouver Regional District. Annual reporting on the regional growth strategy’s progress is required by Subsection 452(1)(b) of the *Local Government Act* and Section 6.13.3 of *Metro 2040*. The preparation of an annual report is also important to ensure that the regional growth strategy, its indicators and policies are actively monitored and assessed as the region continues to grow and change. This report provides the 2020 Annual Performance Monitoring Report.

METRO 2040 PERFORMANCE MONITORING

Metro Vancouver recognizes the important role that performance monitoring plays in the implementation of *Metro 2040* and collective decision-making. The *Progress Toward Shaping Our Future* monitoring program provides a framework for discussing *Metro 2040* implementation among Metro Vancouver Board members, member jurisdictions, TransLink, other regional agencies, and the

general public. With this process, the MVRD Board is able to review and evaluate the state of growth management in the region, progress being made, and any issues that may need further attention.

Performance Monitoring Dashboard

To better convey the status of *Metro 2040’s* performance measures and associated information in a clear and easy to understand way, the *Metro 2040* Performance Monitoring Dashboard on the Metro Vancouver website was created and launched in May 2017 (Reference 1). The webpage replaces the previous large, static *Metro 2040 Progress Toward Shaping Our Future* hard copy annual report, and provides a complete profile of *Metro 2040* performance measures that are updated regularly as data becomes available.

To date, 31,883 unique users have accessed the Dashboard locally and internationally. Over the past year, 9,874 users have accessed the Dashboard, which is up by 12% compared to the same period in the previous year (see Table 1). The overall utilization of the Dashboard continues to remain strong and consistent.

Table 1. Web Analytics of the *Metro 2040* Dashboard




| | Launch date to Sep 30, 2021 | Oct 1, 2020 to Sep 30, 2021 |
|--------------------------------|-----------------------------|-----------------------------|
| Dashboard Users | 31,883 | 9,874 |
| National Users Percentage | 72% | 70% |
| International Users Percentage | 28% | 30% |
| Returning User Percentage | 14% | 16% |
| User Session Totals | 48,694 | 14,979 |

Metro 2040 Performance Monitoring Program

The *Metro 2040* performance monitoring program consists of 38 performance measures in total. There are 15 Key Summary Measures, 11 Strategy Performance Measures and a range of context and participation measures where the role of monitoring is simply to observe, not meet targets. Detailed information on data source and methodology for each performance measure can be found in the *Metro Vancouver 2040: Shaping our Future Performance Monitoring Guideline* (Reference 2).

Tables 2 to 7 below provide a status highlight of some of the *Metro 2040* performance measures. More detailed information on each performance measure’s vision, intent, performance, and data files are available for viewing and download through the Performance Monitoring Dashboard.

In terms of the status column:

- for context measures, the status is observing 
- for directional measures with a target, the status will either be on track  or may not be on track / area of concern 

It is important to note that most of these performance measures are in response to long range objectives, and one year’s information is only a snapshot in time. Many of the performance measures can only be assessed every 5 years because of the release of new Census data or because inventories are undertaken every 5 years.

Table 2. Performance Measures for Regional Land Use Designations







| Measure | Performance | Status |
|---|--|---|
| Total and cumulative change in land by regional land use designation | 1,181 ha of land, 0.4% of the regional area changed regional land use designation since 2011. <ul style="list-style-type: none"> • Agricultural: 55,150 ha (net loss of 198 ha) • Conservation & Recreation: 136,974 ha (net gain of 836 ha) • Industrial: 10,203 ha (net gain of 77 ha) • Mixed Employment: 3,371 ha (net loss of 21 ha) • Rural: 8,438 ha (net loss of 128 ha) • General Urban: 70,166 ha (net loss of 561 ha) |  |
| Total and cumulative change in land within Urban Containment Boundary (UCB) | The land area within the UCB has remained relatively consistent. 2011: 90,400 ha, 32.27% of regional area 2020: 90,568 ha, 32.33% of regional area There were no amendment to the UCB in 2020. |  |
| Total and cumulative change in number and hectares of Urban Centre (UC) | There were no changes to Urban Centres in 2020. <ul style="list-style-type: none"> • 1 Metro Core, Downtown Vancouver & Central Broadway (1,907 ha) • 1 Surrey Metro Centre (473 ha) • 5 Regional City Centres (2,981 ha in total) • 19 Municipal Town Centres (2,199 ha in total) The 26 Urban Centres in the region have a total area of 7,560 ha, or 2.7% of the region's land area. |  |
| Total and cumulative change in number and hectares of Frequent Transit Development Areas (FTDA) | There were no changes to Frequent Transit Development Areas in 2020. <ul style="list-style-type: none"> • 16 FTDA's (967 ha in total) |  |

Table 3. Performance Measures for Metro 2040 Goal 1: Create a Compact Urban Area

| Measure | Performance | Status |
|---|---|---|
| Percentage of regional dwelling units growth within UCB | 98% of growth occurred within the UCB between 2011 and 2020. |  |
| Percentage of regional dwelling units growth in UCs | From 2006 to 2016, 40% of the regional dwelling unit growth was within the region's 26 Urban Centres. New custom data from 2021 Census will be available in 2022 to update this performance measure. |  |









| | | |
|---|--|---|
| Annual regional population growth | Metro Vancouver’s population in 2021 is estimated at 2,807,469 people, an average growth of 42,856 people per year since 2016. The release of 2021 Census data in 2022 will verify the current estimate. Detailed data on population growth by municipality is available on the <i>Metro 2040</i> Dashboard. |  |
| Annual regional dwelling unit growth | Metro Vancouver’s total dwelling unit count in 2021 is estimated at 1,096,150, an average growth of 19,123 unit per year since 2016. The release of 2021 Census data in 2022 will verify the current estimate. Detailed data on dwelling unit growth by municipality is available on the <i>Metro 2040</i> Dashboard. |  |
| Annual regional employment growth | Metro Vancouver’s employment in 2021 is estimated at 1,438,416, an average growth of 19,247 jobs per year since 2016. The release of 2021 Census data in 2022 will verify the current estimate. Detailed data on employment growth by municipality is available on the <i>Metro 2040</i> Dashboard. |  |
| Average number of dwelling units per ha within UCs | In 2016, there were an average of 36.7 dwelling units per hectares within Urban Centres. New custom data from 2021 Census will be available next year to update this performance measure. |  |
| Average number of dwelling units per ha within FTDA | In 2016, there was an average of 15.8 dwelling units per hectares within FTDA. New custom data from 2021 Census will be available next year to update this performance measure. |  |
| Number and status of regional sewerage service connection application | In 2020, MVRD Board did not receive any requests to extend sanitary connection beyond the UCB. |  |

Table 4. Performance Measures for Metro 2040 Goal 2: Support a Sustainable Economy

| Measure | Performance | Status |
|--|--|---|
| Percentage of regional employment growth in Urban Centres | 33% of the regional employment growth was within the region’s Urban Centres from 2006 to 2016. This growth trend is not on track with the regional target of 50%. New custom data from 2021 Census will be available in 2022 to update this performance measure. |  |
| Employed labour force in retail trade sector in UCs & FTDA | In 2016, 48% of employment in the retail trade sector is located in UCs and FTDA. New custom data from 2021 Census will be available in 2022 to update this performance measure. |  |








| | | |
|--|---|---|
| Average number of kilometre travelled to commute region-wide | The region-wide average trip length to work / post secondary school is 13.1km according to the 2017 TransLink Trip Diary. TransLink conducts a regional trip diary every 5 years; the next survey will likely be in 2022. |  |
| Average number of mins. travelled for commute region-wide | In 2016, 50% of the regional employed labour force travelled less than 30 mins for work. 38% travel for 30 to 59 mins and 11% travel for an hour or longer. New data from 2021 Census will be available in 2022 to update this performance measure. |  |
| Percentage of residents living and working in the same subregion | In 2016, 44% of the regional employed labour force with a usual place of work live and work within the same municipality while 54% work at a different municipality within Metro Vancouver. New data from 2021 Census will be available in 2022 to update this performance measure. |  |

Table 5. Performance Measures for *Metro 2040* Goal 3: Protect the Environment and Respond to Climate Change Impacts

| Measure | Performance | Status |
|--|---|---|
| Hectares of land inventoried as sensitive ecosystem (SE) or modified ecosystem (ME) | The 2018 Sensitive Ecosystem Inventory (SEI) study reported a loss of 1,640 hectares of sensitive and modified ecosystems for region from 2009 to 2014. 1,190 ha of the loss was within the regional core area (mostly aligned with UCB). The SEI study is conducted every 6 years; the next study will be in 2022. |  |
| Percentage of inventoried SE & ME rated high quality | The 2018 SEI study found that 84.7% of the identified sensitive / modified ecosystems in the region are rated higher quality, but the percentage drops significantly when looking at just the regional core (39.1%). The SEI study is conducted every 6 years; the next study will be in 2022. |  |
| Track the number of pollutant exceedances of regional and national objectives and standards | Using data from the Lower Fraser Valley Air Quality Monitoring Network, Metro Vancouver continues to track air quality trends annually and report out on the number of exceedances of regional air quality objectives. |  |
| Tonnes and percentage of regional greenhouse gas (GHG) emissions produced by building and on-road transportation sources | Based on the 2015 GHG emission inventory, the 2019 GHG emission level was forecasted at 14.7 million tonnes, a 1% reduction from the 2010 baseline. 35% of regional GHG emissions were from on-road transportation and 26% were from buildings. A new study is currently underway to establish annual updates to the GHG inventory. An updated 2019 GHG inventory for Metro Vancouver will be available in early 2022. |  additional policies being developed as part of <i>Climate 2050</i> |


| | | |
|---|--|---|
| Regional baseline and change projections for relevant climate variables | The 2016 Climate Change Projections for Metro Vancouver study anticipates that Metro Vancouver will have warmer temperatures in all seasons, wetter winters, drier summers, and a significant decrease in snowpack year-round. |  |
|---|--|---|

Table 6. Performance Measures for Metro 2040 Goal 4: Develop Complete Communities









| Measure | Performance | Status |
|---|--|---|
| Status of municipal Housing Action Plans | As of September 2021, 15 municipalities have adopted housing action plans. City of White Rock’s Housing Action Plan is underway. City of Delta’s Housing Action Plan is in its final project phase and is awaiting stakeholders’ review and endorsement. |  |
| Composition of housing stock by type, tenure and cost | New dwelling unit completion by type in 2020 <ul style="list-style-type: none"> • Single detached: 3,682 • Semi-detached (duplex): 588 • Row house: 2,702 • Apartment: 17,067 New dwelling unit completion by tenure in 2020 <ul style="list-style-type: none"> • Freehold ownership: 3,324 • Condominium ownership: 14,566 • Rental: 5,961 Total of 24,039 new dwelling units in 2020. |  |
| Percentage of hours with Air Quality Health Index (AQHI) in high and low health risk categories | In 2020, air quality was in the low health risk category over 97% of the time. While the region did experience impacts from wildfire smoke from outside the region, there were more hours in the low health risk category than in other years affected by wildfires (e.g. 2017, 2018). |  |
| Walkability | The Walkability Index was updated in 2020 to allow for cross comparison between the three-research periods, 2006, 2011, and 2016. The five indicators that contribute to the Walkability Index are residential density, intersection density, land use mix, commercial floor area ratio, and sidewalk completeness. |  |

Table 7. Performance Measures for Metro 2040 Goal 5: Support Sustainable Transportation Options

| Measure | Performance | Status |
|--|--|---|
| Percentage of total trips that are private vehicle based | In comparison to the 2011 Trip Diary, the 2017 Trip Diary shows a clear shift from motorized trips to walking. Trips by automobile driver decreased from 59% to 55%, while walking trips increased from 10% to 14%. TransLink conducts a regional trip diary every 5 years; the next survey will likely be in 2022. |  |

| | | |
|---|--|---|
| Percentage of population living within walking distance of the Frequent Transit Network (FTN) | 50.2% of the Metro Vancouver population live within a 5-minute walk to the FTN or a 10-minute walk to a rapid transit station, according to 2016 Census data. New custom data from 2021 Census will be available in 2022 to update this performance measure. |  |
| Number of actively insured vehicles | Metro Vancouver had approximately 1,283,283 actively insured passenger vehicles in 2020, 87% for personal use and 10% for business use. The number of actively insured passenger vehicles reduced by 46,109 in compared to 2019 data. The decrease in vehicle count is likely impacted by the COVID-19 pandemic. |  |
| Collision statistics including fatalities and injuries | In 2020, Metro Vancouver had approximately 120,480 reported crashes of which 22% resulted in casualty. In comparison, 174,139 crashes were reported in 2019 of which 23% resulted in casualty. The decrease of 53,659 reported crashes is likely impacted by the COVID-19 pandemic. |  |

METRO 2040 AMENDMENTS JANUARY 2020 TO SEPTEMBER 2021

From January 2020 to September 2021, there were two approved amendments to *Metro 2040*:

- *Bylaw No. 1295, 2019* – Text amendment to the GHG emission reduction targets to pursue a carbon neutral region by 2050, with an interim target of 45% reduction by 2030.
- *Bylaw No. 1310, 2020* – Land use designation amendment for 60 parcels of Regional Parkland to amend 26.1 hectares of land designated General Urban and 102.2 hectares of land designated Rural, to the Conservation and Recreation land use designation

ALTERNATIVES

1. That the MVRD Board receive for information the report dated October 5, 2021, titled “*Metro Vancouver 2040: Shaping our Future - 2020 Annual Performance Monitoring Report*”, and direct staff to forward a copy to the Province of BC’s Ministry of Municipal Affairs, Local Government Division.
2. That the MVRD Board receive for information the report dated October 5, 2021, titled “*Metro Vancouver 2040: Shaping our Future - 2020 Annual Performance Monitoring Report*”, and provide alternate direction to staff.

FINANCIAL IMPLICATIONS

Data acquisition and development for performance monitoring is a regular component of the annual Regional Planning budget. As required under Metro Vancouver’s *Regional Growth Strategy Procedures Bylaw No. 1148, 2011*, addressing staffing and other costs related to *Metro 2040* implementation, is also being provided to the Regional Planning Committee in a separate report, titled “*Metro Vancouver 2040: Shaping our Future – 2020 Procedural Report*”, as part of the Committee’s November 2021 agenda package.

SUMMARY / CONCLUSION

The *Local Government Act* and *Metro 2040* require the preparation of an annual report on the regional growth strategy’s progress. The 2020 Annual Performance Monitoring Report provides a

summary update on the performance measures with relevant annual change and available data. A complete profile of *Metro 2040* performance measures with a detailed data breakdown is available in the *Metro 2040* Performance Monitoring Dashboard. Recognizing the important role that performance monitoring plays in the implementation of the regional growth strategy and collective decision-making, Metro Vancouver continues to provide regular updates on the Dashboard as data becomes available.

References

1. [Metro 2040 Performance Monitoring Dashboard](#)
2. [Metro Vancouver 2040: Shaping our Future Performance Monitoring Guideline](#)

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