

City of Hamilton Parking Master Plan

Presentation of the Draft Parking Master Plan

April 20, 2021



Outline

- Hamilton Today, summarizing existing conditions
- Best Practices from peer municipalities
- Hamilton Tomorrow, forecasting future conditions
- Financial Outlook
- Recommendations
- Next Steps



Study Timeline



Study Objectives

The City of Hamilton initiated the Hamilton Parking to:

- Examine existing and future public parking operations.
- Provide direction for parking policy, planning, operations, and enforcement.
- Help address the changing parking needs faced by the Hamilton Municipal Parking System.



Hamilton Municipal Parking System



Existing Conditions

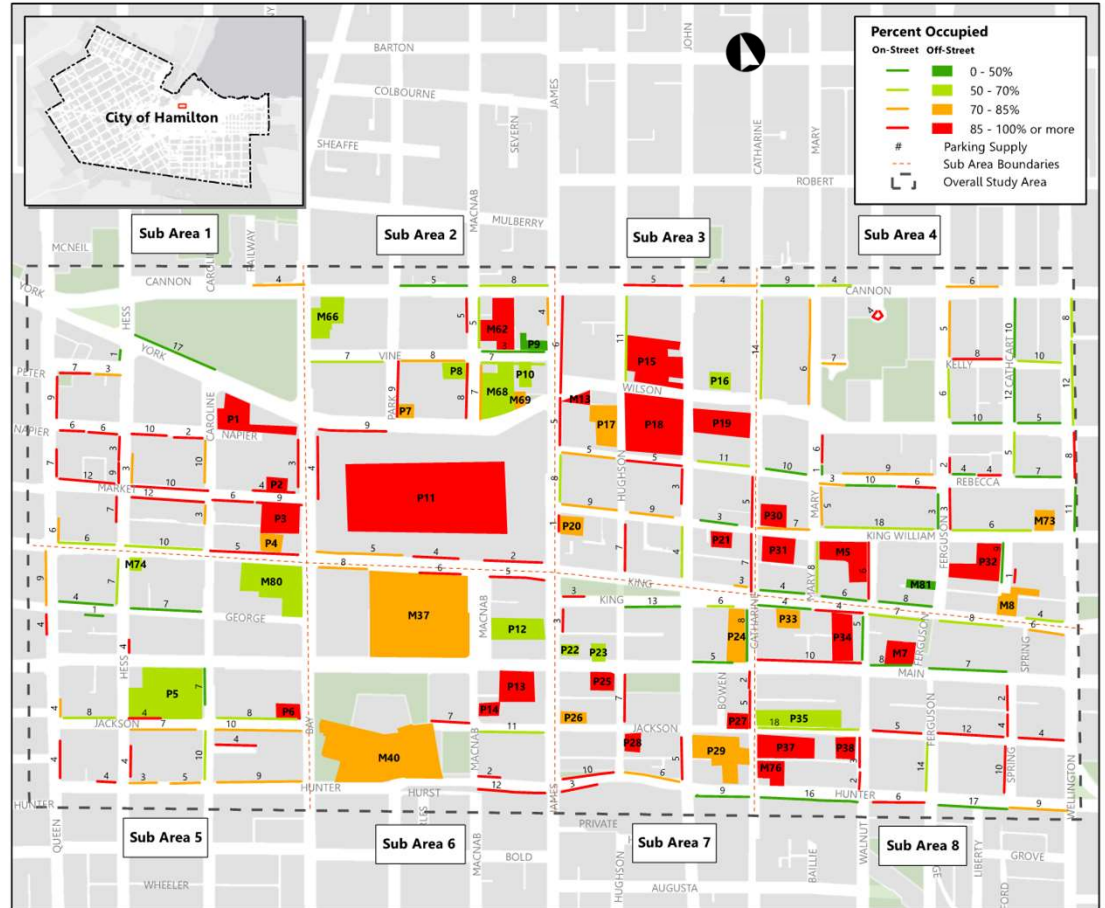
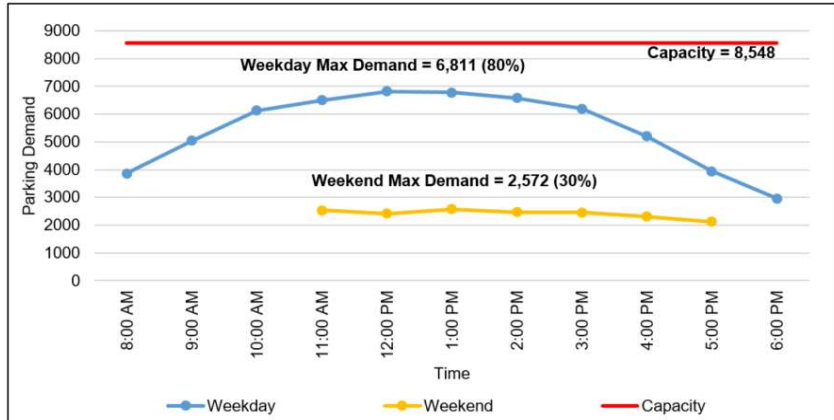


Existing Downtown Parking Operations

The peak period of parking occupancy was observed on **a weekday at 12:00 PM**, where 80% of surveyed parking spaces were occupied.

Surveys were conducted in the fall of 2019.

Sub Area	Occupancy
1	92%
2	79%
3	87%
4	80%
5	64%
6	77%
7	79%
8	81%
Total	80%



Phase 1 Consultation



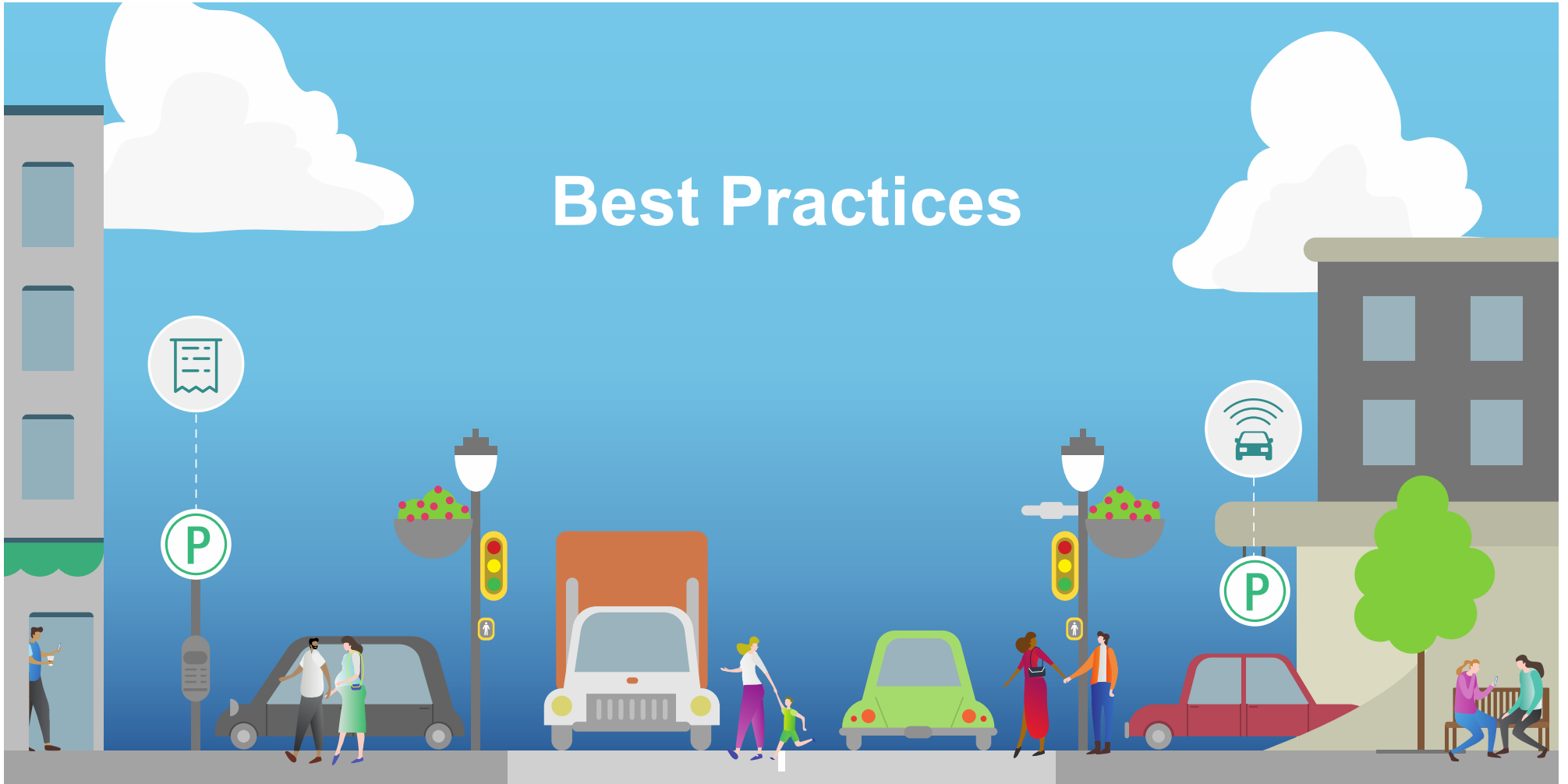
Public and Stakeholder Consultation

Key phase 1 takeaways included:

- Increase parking opportunities and **improve the pay parking user experience**;
- Parking operations should be **self-funded**, and prices should **encourage alternative modes of transportation** (i.e. more expensive than a transit pass); and
- Support for balancing space for parking with space for alternative sustainable modes and **other curbside uses** (e.g. bike lanes, pop-up patios).



Best Practices



Best Practices Review

Topic Area	Practice in Hamilton	Findings
Finances	Financially sustainable	All comparator municipalities were determined to be financially sustainable, where parking revenues are sufficient to fund parking expenses.
Pricing Policies	Location based pricing	Most comparator municipalities implement location based pricing strategies.
User Fees	Generally lower than comparators	Compared to other municipalities, Hamilton charged lower rates for hourly on-street and off-street, and monthly off-street permits.
Cash-in-lieu Programs	Yes	Cash in Lieu programs tend to exist in larger cities and intensification areas.
On-street Accessible Parking	Reserved accessible on-street permit parking	Many comparator municipalities have practices similar to Hamilton's accessible on-street permit parking, where requests are reviewed on a case-by-case basis.

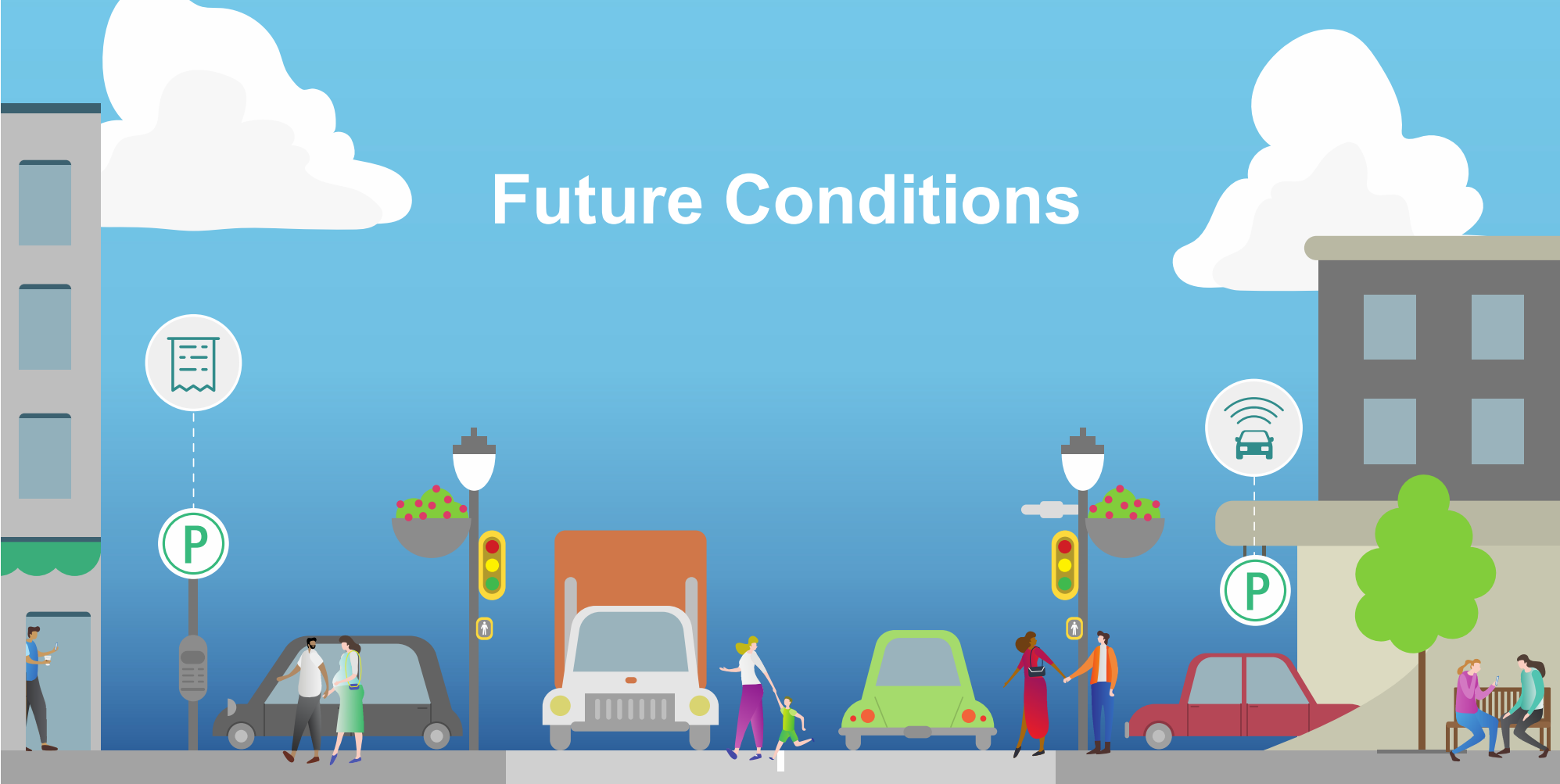


Best Practices Review

Topic Area	Practice in Hamilton	Findings
Enforcement	Manual proactive or reactive enforcement depending on location. Moving towards LPR technology.	Some comparator municipalities are adopting LPR technology to improve coverage and efficiency of parking enforcement.
Residential On-street Parking	Parking zones permit and parking time limit zones permit	Most comparator municipalities provide long term permits for residents and temporary permits for visitors
Emerging Trends	Beginning to consider emerging trend impacts	Municipalities are looking to future proof new parking facilities, include public parking in new private developments, and convert a portion of private parking facilities to public parking
Future Technology	Planning to upgrade pay parking technology	Future technologies include smart payment systems (parking meters and pay-by-phone), parking occupancy technology, and EV charging stations. There is limited adoption of future technologies in comparator municipalities.



Future Conditions



Hamilton Tomorrow – Downtown Parking Supply and Demand

















Future parking demand is influenced by:

- **Population and employment growth;**
- **Changes to parking supply;** and,
- **Changing travel patterns** including adoption of transit and active transportation options, impacts of micro mobility services, and longer term impacts of technologies like EVs and CAVs.

Category	Value
Parking Supply Today	8,550 spaces
Spaces Lost to Redevelopment	720 spaces
Parking Demand Today	6,810 vehicles
Parking Demand Growth Through Population and Employment Growth	1,390 vehicles
Parking Demand Reduction Through TDM and Pricing	1,070 vehicles
Projected Peak Parking Utilization	91%

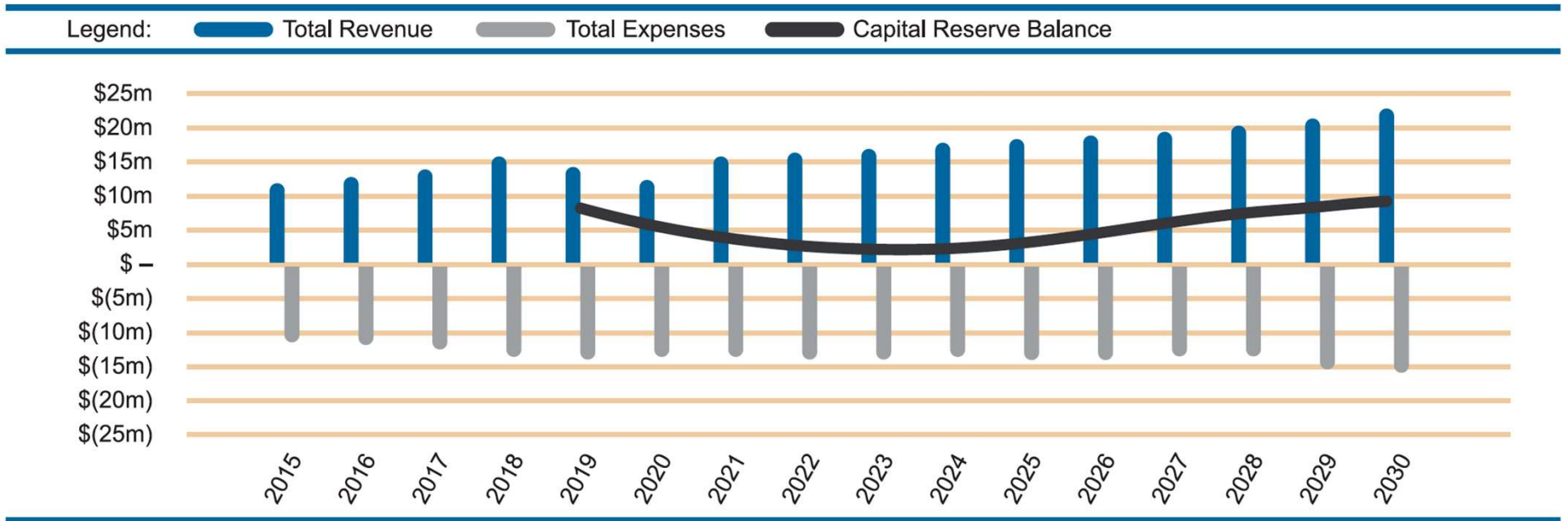
Financial Outlook

Future analysis represented by four scenarios that reflect a range of different pricing structures, supply levels, and resulting parking demand.

Scenario	Financially Sustainable?	Can Supply Accommodate Future Demand?	Addresses Localized Parking Supply Deficiencies?	Supports Sustainable Transportation?
1: Status quo				
2: Revised pricing framework				
3: Revised pricing framework and modest rate increases				
4: Revised pricing framework, new infrastructure, and modest rate increases				

Financial Outlook

Expected HMPS financial performance under Scenario 3



Recommendations | General Principles



Financial Sustainability



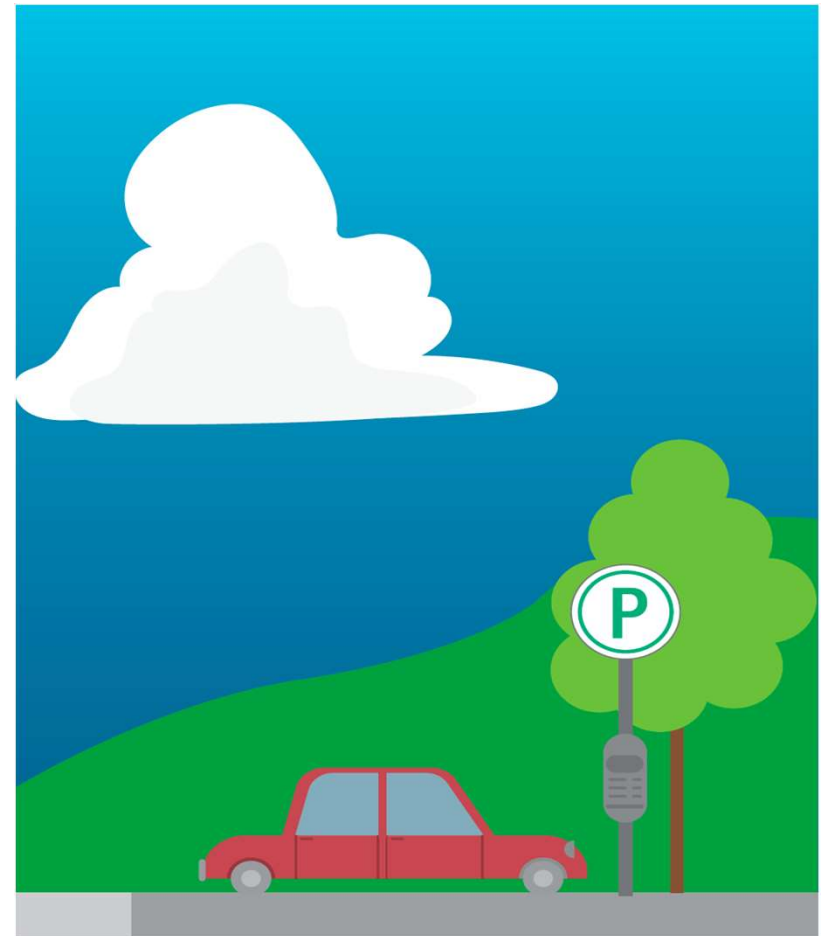
Economic Development



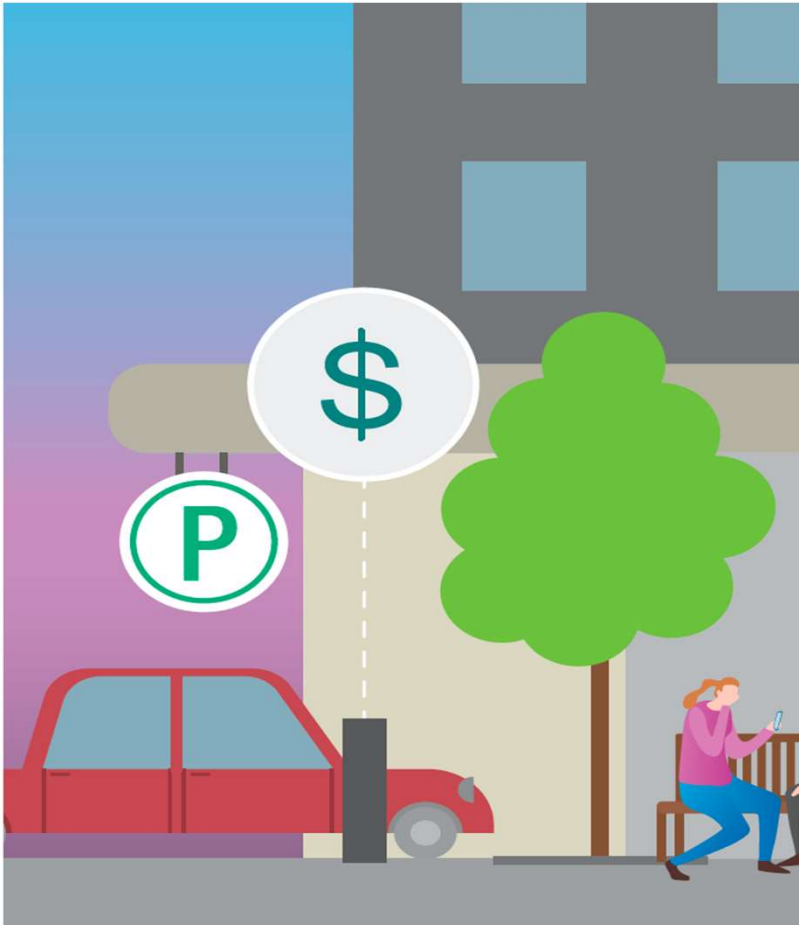
Environmental Sustainability



Resiliency



Recommendations



Financial Sustainability

1. Adopt predictable rate increases
2. Manage utilization in all HMPS off-street parking facilities through prices
3. Extend paid parking to 7-days-a-week operations
4. Maintain higher prices on-street than off-street
5. Implement performance based pricing in high demand areas
6. Implement dynamic pricing in response to events

Recommendations

Economic Development

7. Expand the supply of on-street paid parking
8. Review HMPS revenue sharing formula
9. Provide better information in the form of improving signage, wayfinding, and digital tools
10. Allow public use of private facilities during off-peak times
11. Pursue joint parking opportunities with private development
12. Manage on-street parking in the future residential areas
13. Implement License Plate Recognition Software to improve enforcement efficiency
14. Continue to identify opportunities to leverage City-owned surface parking lots for new, integrated development



Recommendations



City of Hamilton Parking Master Plan

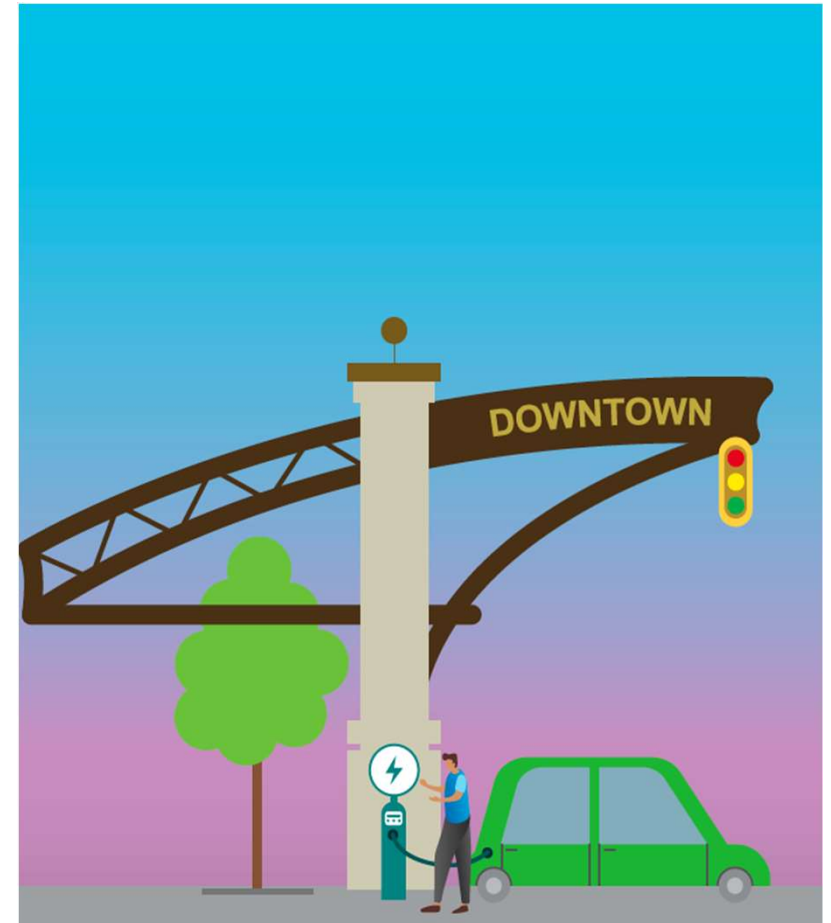
Environmental Sustainability

15. Adopt pricing structures which incentivize environmentally sustainable transportation mode choices
16. Introduce flexible multi-use passes
17. Expand Parking Reserve and Cash-in-Lieu policies to support TDM and sustainable mobility initiatives
18. Limit residential boulevard parking agreements
19. Apply low impact materials and sustainable design in City-owned surface lots
20. Develop a comprehensive plan for EV charging
21. Continue to expand bicycle and other micro-mobility parking.

Recommendations

Resiliency

- 22. New municipal parking should be integrated within developments and have the ability to be converted to alternative uses in the future
- 23. Develop policies and regulations for managing curbside use and payment
- 24. Monitor how CAVs evolve related to the impact of parking operations



Next Steps

- Second round of public consultation
- Finalization of recommendations



City of Hamilton Parking Master Plan



Thank You



Thank you for your interest in the Hamilton Parking Master Plan.

Comments, questions, or requests to be added to the Study mailing list can be submitted at any time to:

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