

EV Charging Business Update

TORONTO PARKING AUTHORITY

Audit and Risk Management
Committee

June 25, 2024

Presented by:

Jarrett McDonald, Vice President – Operations



AGENDA

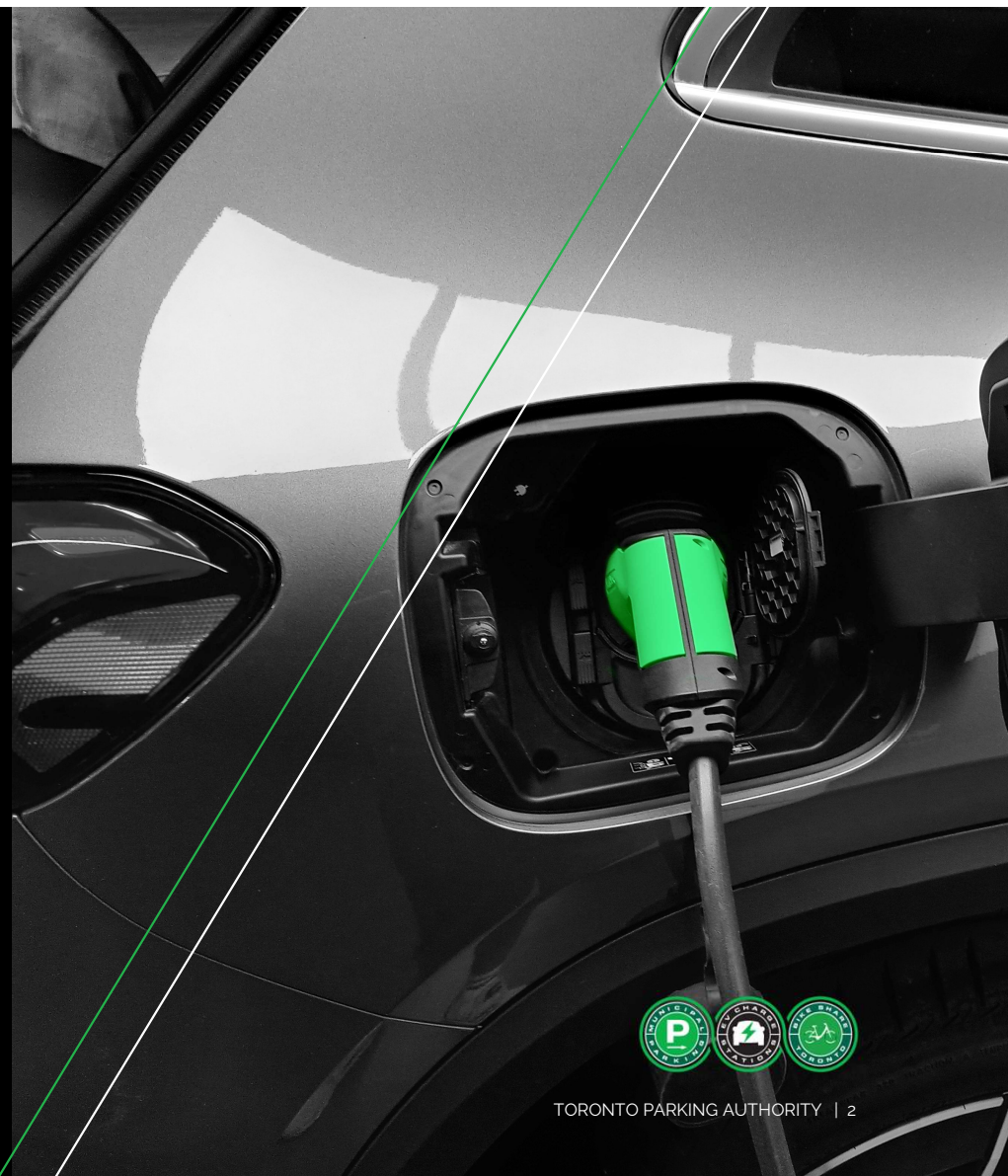
PURPOSE

Performance Update - EV Charging Portfolio

AGENDA

1. Our Strategy
2. The EV Journey
3. May YTD 2024 Results
4. 2024 Focus of Effort
5. Partnership Opportunity
6. Appendices

June 2024



01 EV Charging Strategy

June 2024



TORONTO PARKING AUTHORITY | 3

We are re-imagining our business by creating multi-modal mobility hubs to satisfy our customers' demand for choice, ease and speed across our portfolio.



We are investing in EV charging infrastructure at our ubiquitous Off-Street facilities to drive parking trips, satisfy emerging customer demand for charging, and promote the adoption of zero emission vehicles.

Industry Best Practices



Montreal



Vancouver



Victoria



San Francisco



London



New York

Addressing the Needs of Our Business and City:

Prioritize off-street facilities for EV charging infrastructure to ensure financial sustainability and cost productivity while minimizing competition for scarce curb space.

Accelerate Financially Sustainable EV Adoption:

Scale EV investments at the pace of emerging consumer demand; de-risk financial exposure by partnering with industry subject matter experts while ensuring the business model supports strategic TPA/City priorities.

Consumer Insights

Leverage real-time consumer data to inform pricing solutions for different customer segments/day parts for both B2C and B2B channels.

Customer and Community Adoption:

Develop robust marketing programmes to drive consumer/business awareness, trips, and loyalty.

Collaborate, Prototype & Learn:

Engage with industry stakeholders in both the public and private sector to provide strategic insights, best practices and access to emerging technologies, and innovation pipeline.

Environmental Sustainability: Support the city of Toronto's Net Zero Strategy with targeted emission reductions.



There are unique user groups requiring charging solutions - our capacity to understand their needs will be essential to ensure we build a customer centric and financially sustainable charging network.

1.



Green P Parking Customers

- 2.6M Unique Green P Users drive 27M transactions in 2024

2.



Greater Toronto Residents

- 2.88 million residents that live in multi-unit dwellings with limited access to home charging

3.



High Volume Fleets

- 22,000 fleet vehicles
- 75,000 ride-share vehicles
 - 5,000 taxis
- 100% electric mandates by 2035

4.



Charging As A Service

- Third-party operators seeking turnkey EV charging solutions for their commercial properties



We are deploying two types of charging infrastructure to support our strategy - they address different customer needs.

Types Of EV Charging Infrastructure

LEVEL 2		DC FAST CHARGE (LEVEL 3)	
Chargers: 7.2 kW or 19.2 kW	Charging Load: 1.8 – 19.2 kW (Typ. 7.2 kW)	Chargers: 50 kW, 100 kW, 150 kW, 350 kW	Charging Load: 50 – 350 kW
Voltage: 208V or 240V 1-Phase AC	Charging Time Needed to Gain 300 KM of Range: 3 Hours @ 19.2 kW 8 Hours @ 7.2 kW 25 Hours @ 2.4 kW	Voltage: 208V or 480V 3-Phase AC	Charging Time Needed to Gain 300 KM of Range: 15 Minutes @ 350 kW 36 Minutes @ 150 kW 1.8 Hours @ 50 kW
AMPS: 12 - 80 Amps (Typ. 32 Amps)		AMPS: >100 Amps	

Enabling electrification for multiple customer profiles:



Green P customers



Multi-unit residential buildings (MURBs)



Homes without access to garages or driveways



High volume fleets

June 2024

Hourly Pricing Structure

Note: pricing model will shift from hourly to per kw (usage) model in 2025

L2 NEW TPA ON-STREET

Approx. \$2.00 Per Hour Daily
(varies based on potential for load sharing)

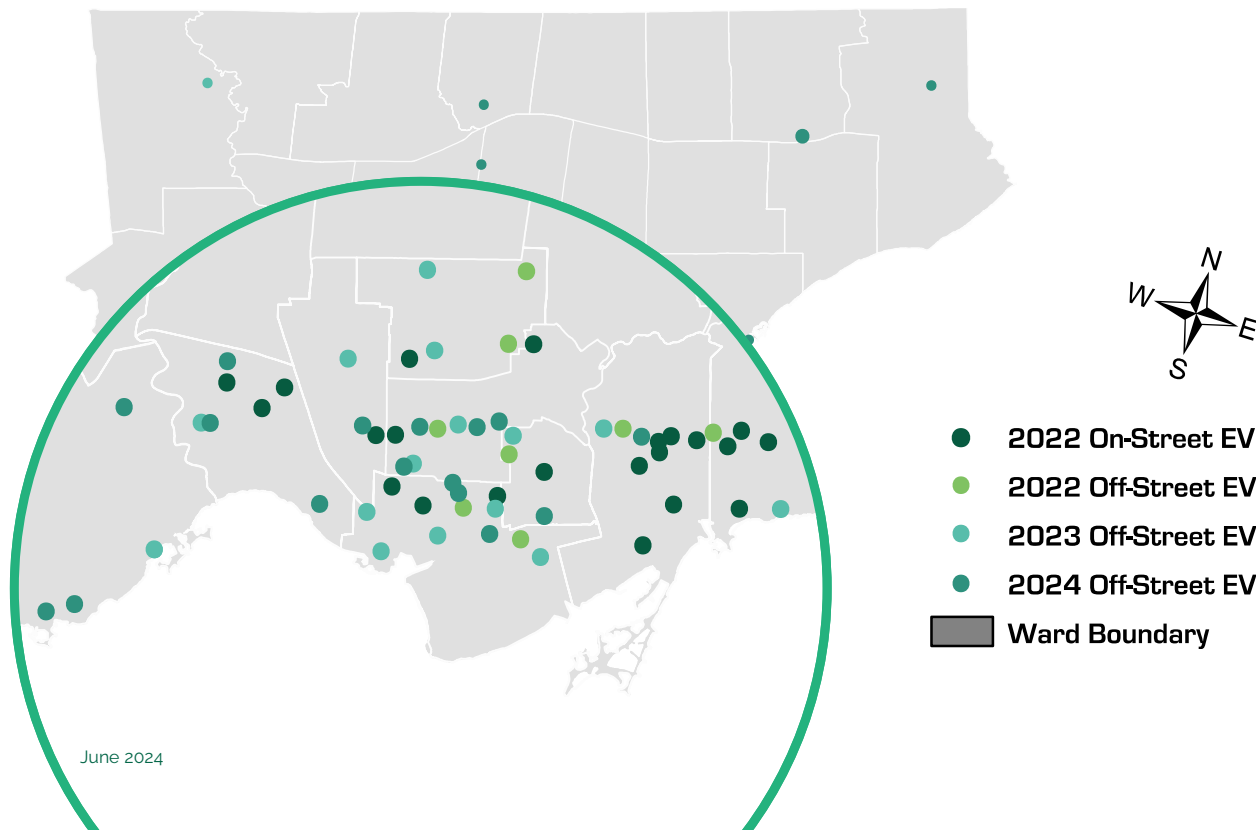
\$6.00 Max Overnight
(All)

DCFC NEW TPA OFF-STREET

\$15 Per Hour
for 50 kW DCFC



We have focused our phase one efforts on creating EV charging hubs at our high-velocity locations along the North-South Yonge and East-West Bloor corridors and downtown core.



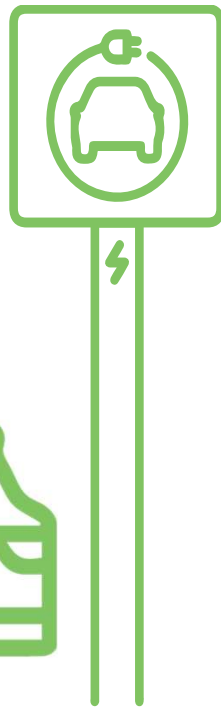
Scale to
550+
EV charging
stations over
3 years at
51 locations
(2022-2024)



Entering 2024, TPA has deployed 407 EV chargers – the largest municipally owned operator of EV chargers in Canada

2022

Delivered 117 charging stations at 11 car parks



2023

Installed an additional 193 Off-Street charging stations at 19 locations for a total of 407 chargers

Assumed ownership and operation of 47 On-Street EV charging stations delivered by Toronto Hydro and Transportation Services

Installed an additional 50 On-Street chargers in support of City mandate to deploy and operate On-Street charging

2024

445+ total EV charging stations by the end of 2024 at 84 locations (31 Off-Street/53 On-Street)

Install 38 additional EV chargers at 4 car parks to finish remaining "Tier 1" facilities

For a total of 415 L2 chargers and 30 L3 fast chargers

On-Street design and location identified for 2025+ for 100+ potential sites



The EV Journey

June 2024



TORONTO PARKING AUTHORITY | 10

The EV rate of adoption in Canada continues unabated - growth however moves at the rate of market demand and supply based inducements which are variable and inconsistent across geographies.

Things You May Have Heard

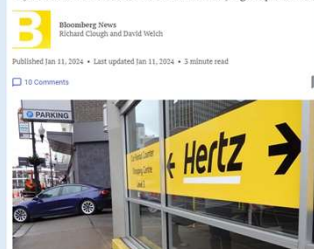
Ford Will Cut Planned Electric F-150 Production as Demand Slows

Ford and other automakers have had to readjust their electric vehicle production plans because sales have been weaker than they had expected.



Hertz to sell one-third of EV fleet in shift back to gas-powered cars

20,000 cars on the block amid weak demand, high repair costs



The Facts

- **13.2% of cars registered in Canada for the last 3 months of 2023 were zero emission vehicles** (10% BEV and 3.2% PHEV) up 8.9% from 2022. Led by BC at 23% and Quebec at 20%. (S&P Global Mobility, Q4 2024)
- **7.7% of cars registered in Ontario in 2023 were BEV** (MTO 2024)
- **Canada's public charging network grew by 33% in 2023** with 27,000 publicly accessible chargers (S&P Global 2024)
- **\$46B has been committed to EV battery production by the Canadian and Ontario government**
- **It will take 25+ years to remove and replace ICE cars with EV cars** this will provide the energy grid with time to grow
- **Presently, ~80% EV charging occurs at home**, other providers will fill the gap as adoption accelerates. (Razavi 2024)

Canada will need 50,000 EV chargers by 2030



EV sales in the GTA have surged 38% YOY; Toronto is forecasted to have over one million EV's by 2040

Today

50

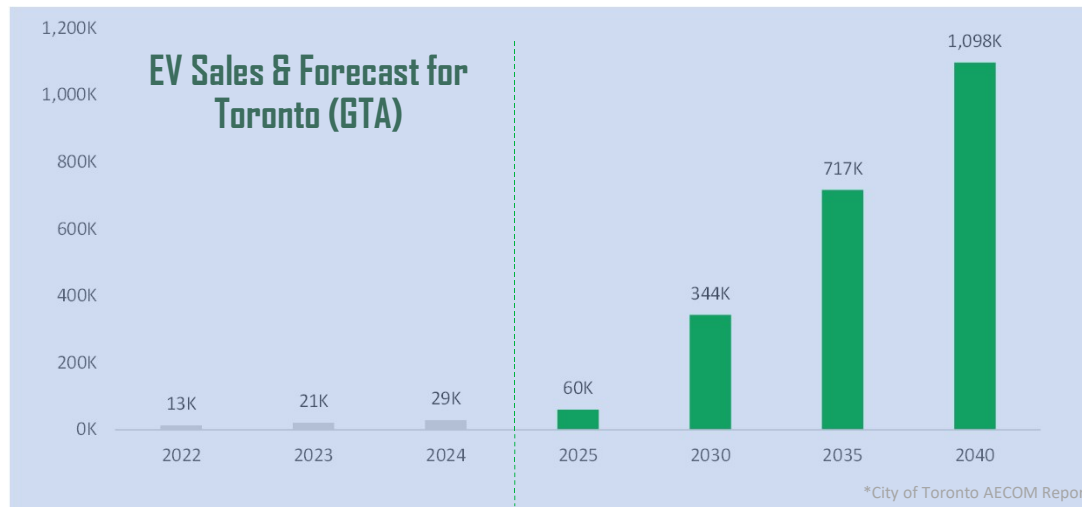
EV Manufacturers

221

EV Models

\$73,000

Average Price



By 2026

50+

EV Manufacturers

500+

EV Models

<\$50,000

Average Price

CTV News
<https://www.ctvnews.ca/autos/evs-are-getting-easier-...>

EVs sport price tags out of reach for many Canadians

BNN Bloomberg
<https://www.bnnbloomberg.ca/when-will-electric-vehl...>

When will electric vehicle prices drop in Canada?

May 3, 2023 — HOW MUCH DOES AN EV COST IN CANADA NOW? Electric vehicle prices range from \$40,000 to \$189,000 in Canada, according to data compiled by the ...

The Globe and Mail
<https://www.theglobeandmail.com/.../Cost of Living>

This is the price where EVs become affordable for ...

Oct 17, 2023 — The Scotiabank report quotes Canadian Black Book data showing that the average price of all new vehicles in Canada is \$66,000, and that a ...



June 2024

*Note: The chart is a combination of data from Ministry of Transportation Ontario – Electric Vehicles in Ontario – By Forward Sortation Area and City of Toronto – Public EV Charging AECOM Report, Project Number 60687620 on January 31, 2024

TORONTO PARKING AUTHORITY | 12

Toronto charging capacity is well below industry standards, at our current pace, we will have only one public charger per 70 EV's.

The International Energy Association (IEA) recommends 1 public charging port for every 10 EV's

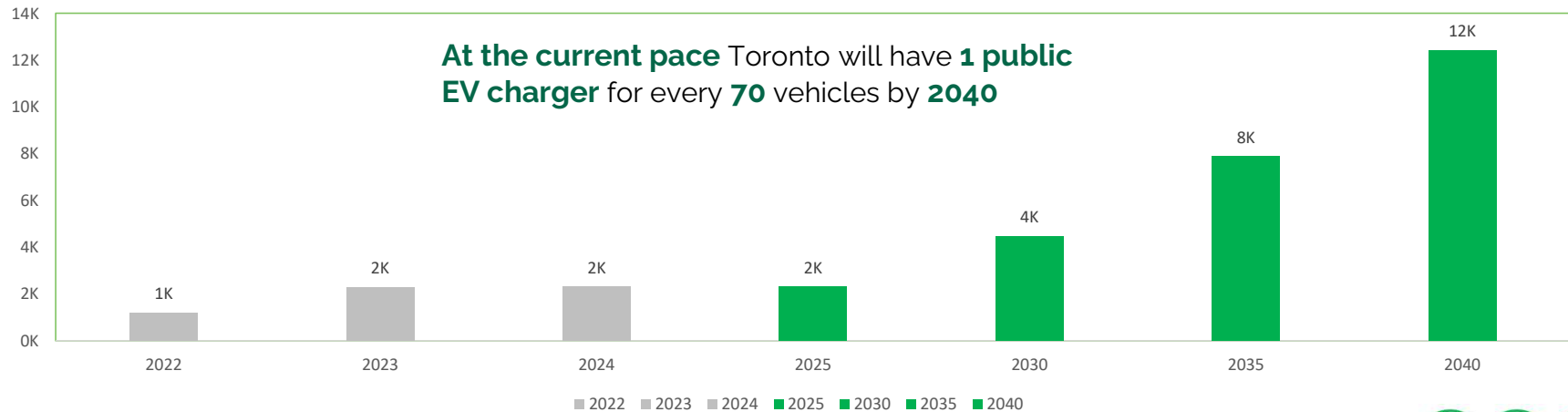
Today

New York
16.4 EV's
per charging port

Washington
17.4 EV's
per charging port

California
25.7 EV's
per charging port

Toronto
30 EV's
per charging port



May YTD 2024 Results

June 2024



EV P&L performance above plan, sequential transaction growth each month and delivering positive margin dollars.

Revenue	May YTD 2024 EV Combined Actuals	YTD 2024 Budget	Variance	Off-Street	YTD 2024 Budget	Variance	On-Street	YTD 2024 Budget	Variance
Charging Revenue	174,660	118,722	55,938	119,029	50,298	68,731	55,630	68,424	(12,794)
Associated Parking Revenue	179,426	83,206	96,220	177,670	83,206	94,464	1,756	-	1,756
Total Revenue	354,086	201,928	152,158	296,699	133,504	163,195	57,386	68,424	(11,038)
Utilities	132,269	52,920	(79,349)	86,361	22,130	(64,231)	45,908	30,790	(15,118)
Network Operator Transaction Fee	23,171	15,946	(7,225)	14,775	7,393	(7,382)	8,396	8,553	157
GSM Subscription Fee	34,672	44,825	10,153	30,702	36,740	6,038	3,971	8,085	4,114
Maintenance	4,829	17,980	13,151	4,400	11,835	7,435	429	6,145	5,716
EV Warranty Charges	53,486	50,925	(2,561)	52,553	50,925	(1,628)	933	-	(933)
EV Charger Insurance	1,134	4,975	3,841	986	4,005	3,019	148	970	822
Direct Expenses	249,561	187,571	(61,990)	189,777	133,028	(56,749)	59,784	54,543	(5,241)
Contribution	104,525	14,357	90,168	106,923	476	106,447	(2,398)	13,881	(16,279)
Contribution Margin %	29.5%	7.1%	22.4%	36.0%	0.4%	35.7%	-4.2%	20.3%	-24.5%

Highlights:

- 29.5% Contribution margin May YTD +22.4% vs Plan.
- Direct operating costs +\$61k driven by energy costs on higher charging volume.
- Utility expenses mirror volume performance by charger type.
- Utility margins are lower than Plan as On-Street is based on residential rates time of use. Off-Street electricity charges are billed on daily commercial rates.

TPA beating plan against all key performance metrics, costs modestly unfavourable by \$62k.

2023 Actuals*	2024 FY Plan*		2024 MAY YTD Actuals	
Customer/Transactions 35.1K	Customer/Transactions 66.0K ▲ 88% or + 31K transactions vs. 2023	▶	Customer/Transactions 33.6K ▲ 235% or +24K YOY ▲ 59% or +12K favorable to Plan	✓
Revenue \$210.2K	Revenue \$616.2K ▲ 193% or +406K YOY	▶	Revenue \$354.1K ▲ 603% or +\$304K YOY ▲ 75% or +\$152k favorable to Plan	✓
Direct Expenses \$123.4K	Direct Expenses \$519.6K ▲ 321% or +\$396K YOY	▶	Direct Expenses \$249.6K ▲ 943% or +\$226K YOY ▲ 33.0% or +\$62k unfavorable to Plan	~
Contribution Margin \$86.8K	Contribution Margin \$96.6K ▲ 11.3% or + \$9.8k YOY	▶	Contribution Margin \$104.5K ▲ 295% YOY or +\$78K favorable to plan	✓

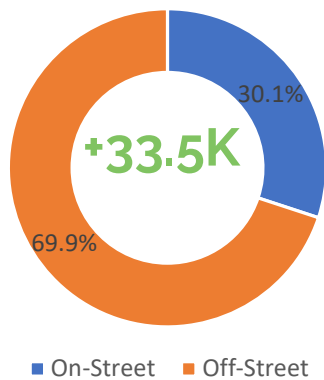


June 2024

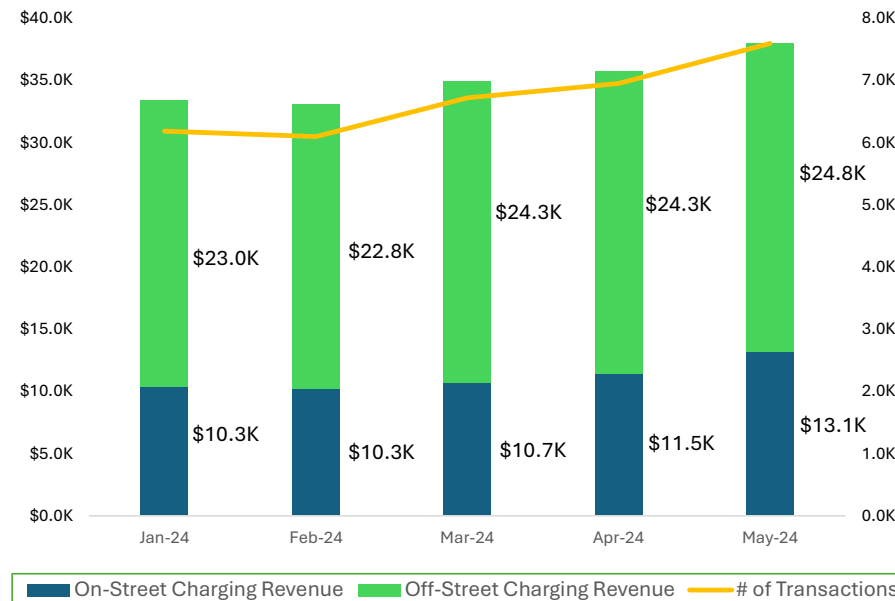
*Note: 1. 2023 actuals based on 157 chargers (117 Off-Street chargers + 47 On-Street chargers) available to the public
2. 2024 plan based on 407 chargers (310 Off-Street chargers + 97 On-street chargers) available to the public

33.5K transactions through May YTD; +22% vs. Plan... forecasting 90k transactions full year.

Total Transaction by Channels



Revenue and Transaction Growth



Highlights:

- Average of 221 transactions per day
 - 185 daily for L2
 - 36 daily for L3
- Average length of stay is 3.4 hours:
 - 4.0 hours for L2
 - 0.75 hours for L3
- Increased transactions: shorter sessions & more turnover

Transactions are growing at 3.3% CMGR

Consumer insights encouraging - Off-Street Hub Strategy enabling desired consumer behavior. B2B opportunity remains untapped.

TPA Lead: Off-Street EV Chargers*

82% of Off-Street users live in the City of Toronto (Other top 4 locations: Mississauga 4.5%, Vaughan 2.5%, Brampton 2.2% and Oakville 2.1%)

57% of Off-Street users live less than 5km from the EV charging locations

84% Live in multi-story dwellings indexing 191 to the TPA's customer base

Median Age 39 with average household income of \$114K

20% Use public transit to travel to work indexing 149 to TPA's customer base

28% Drive to work indexing 81 to TPA's customer base

City Lead: On-Street EV Chargers

Paid Parking: High turnover, Low utilization, Top-up charging

- Ex: 91 Elizabeth St (Ward 10)
 - 642 unique users as of April 2024
 - 58% return user rate
 - 56 users makeup for 60% of charging
 - Average charging duration of 3.6 hours

Vs.

Permit Parking: Low turnover, High utilization, Base charging

- Ex: 31 Roseheath Ave (Ward 19)
 - 69 unique users as of April 2024
 - 87% return user rate
 - 20 users made up 90% of charging
 - Average charging duration of 6.1 hours



Key performance measures trending positive; utilization rates will improve as consumer trial and repeat purchase campaigns are activated.



98.4% AVG Uptime May YTD

- Industry standard 98%
(Bulis 2021).



11.1% AVG Utilization YTD *

- Avg Off-Street utilization in May 6%
(Top Range 15%)
- Avg On-Street utilization in May 21%
(Top Range 49%)
- North American Off-Street industry utilization average of 6.5%
- BC 12% utilization (Mason 2024)



1.7M kg of GHG Emissions Saved to Date

- The equivalent GHG savings of a fleet of 25 new hybrid electric TTC buses per year that cost \$860,000/ 🚌



2024 Focus of Effort

June 2024



We have a two-pronged focus in 2024: elevate the consumer experience at the point of purchase; concurrently, drive awareness, trial and repeat purchase to maximize volume.

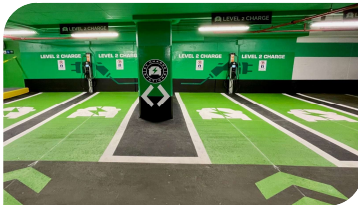
2024 Priorities

- EV partnership executed
- Integration of parking + EV charging in Green P App
- Expand charging network in remaining "Tier 1" locations (38 new chargers Installed – Off-Street)
- Transition to per kWh pricing
- Charger reliability and uptime at 98 %!
- Unlock financial value of Carbon Credits
- Focused marketing plan to grow awareness / trial



Outcomes

2021	➤	9	✓
2022	➤	117	✓
2023	➤	407	✓
2024	➤	445	



Modest deployment plans in 2024... targeting 38 chargers.

407 → 445 Chargers

4 New Off-Street Locations: +38 chargers



TPA Headquarters (CP26)



21 Pleasant Blvd (CP11)



9 Emerson Ave (CP82)



385 Pacific Ave (CP19)



Installed by December 2024

CP#	Address	Quantity of EV Chargers
26	33 Queen St East	(10) – L2 (4) – L3 14 Total Chargers
11	21 Pleasant Blvd	(9) – L2 Chargers
82	9 Emerson Ave	(6) – L2 (2) – L3 8 Total Chargers
19	385 Pacific Ave	(6) – L2 (1) – L3 7 Total Chargers
38 Total Chargers (31 L2 / 7 L3) At 4 Locations		

-chargepoint+



L2 Charger



L3 Charger



The power of partnerships... will enable the first multi-vendor EV / digital payment experience.

Integration

Charging + Off-Street Parking Systems Integration

- Pay for Parking and EV charging
- Charging Location Information
- Pricing and Charger Information
- Reservations*
 - Concept design stage only with planning for 2025 deployment
 - EV integration in 2024 to include FLO chargers only. 2025 development will bring ChargePoint chargers to Green P App



Experience

Charging + On-Street Parking Green P App Integration

- Seamless Transaction
- Real Time Charger Availability
- Pre-Trip Planning



Key deliverables to elevate our performance.

Transition to Per kWh Pricing



Today

Pricing structure is based on time, not actual energy used



Future

TPA would transition charging network to feature utilization-based pricing by 2025

Unlocking Financial Value of CFR Credits



- 1 Megawatt of electricity = 1 Carbon Credit
- 1 Carbon Credit = ~\$200 in the open market
- TPA network projected to output 2,284 megawatts of electricity the equivalent to \$450,000 in 2024
- TPA investigating regulatory & commercial opportunity to obtain CFR credits for Q3

Charger Reliability and Performance



Today

Very low equipment failure as hardware is relatively new. Uptime currently sitting at 98%



Future

As TPA network grows and equipment ages, focus on building stronger maintenance process to maintain 98% uptime



Leverage data to target EV drivers, boosting awareness and driving transactions.

RESEARCH
STRATEGY
GROUP

ENVIRONICS
ANALYTICS

Segmentation & Data

- **EV Enthusiast**
 - Male and couples (40's)
 - \$114K average household income
 - 54% have university degree
 - 83% live in multi-story dwellings



16x9

Omni-Channel Approach

- **Digital Out of Home** (Digital billboards)
- **Paid Social Media Campaigns** (FB and Instagram)
- **In-Stream Video** (Crave)
- **Activation Events** (Trial sessions)
- **Charging Location Information**
- **Loyalty Partners 2025+**



June 2024

YOUR **EV**
PIT STOP.
PARKING + EV CHARGING



CHOICE. EASE. SPEED.



July 1
Campaign
Kick Off



TORONTO PARKING AUTHORITY | 25

Partnership Opportunity

05



Partnership Guiding Principles

TPA SELECTION CRITERIA FOR EVALUATION



THOUGHT
LEADERSHIP



BUSINESS
SOLUTIONS



CUSTOMER
EXPERIENCE



INTEGRATE
SERVICES



TransformTO

NET ZERO
STRATEGY



BUSINESS
TERMS



BRAND
ALIGNMENT



PROCESS
ENGAGEMENT



PARTNERSHIP
EXCLUSIVITY

EV Charging Network Expression of Interest Update

Timelines And Next Steps

May 6	Shortlist Proponents
May 8 – June	Proponent Presentations
May 28	Update to TPA Board
June 25	EV Business Review and Update to Audit and Risk Management Committee
August/September	Final Evaluation & Recommendation of Successful Proponent
Q3- Q4 2024	Recommended Partnership to TPA Board & City Council
Q1 - Q2 2025	Contract Negotiation & Execution
Q3+ 2025	Partnership Launch

June 2024



TORONTO PARKING AUTHORITY | 28

THE FUTURE ^{IS} ELECTRIC



APPENDICES

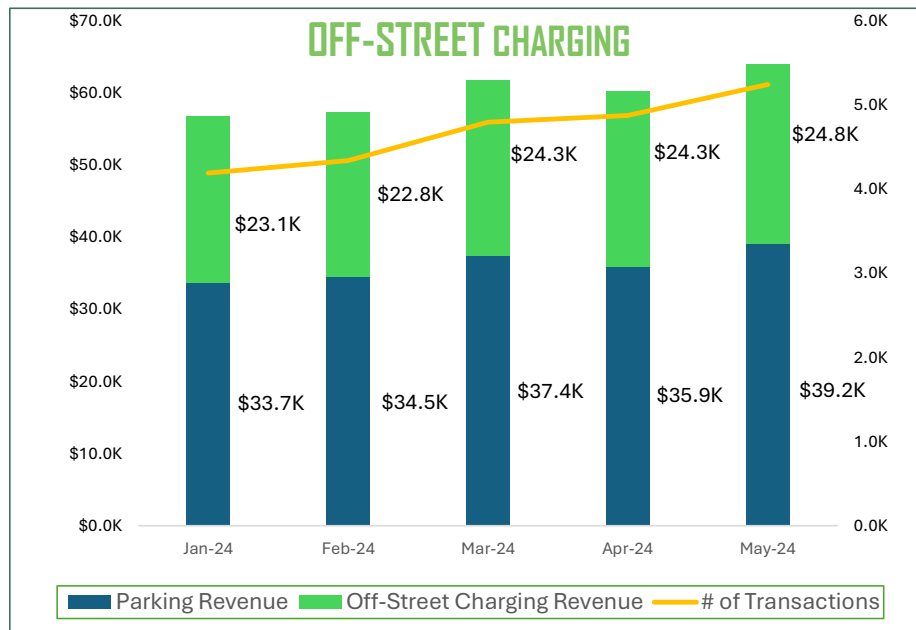


Appendix A: Off-Street EV Chargers

June 2024



Appendix A - 33,000 Off-Street charging sessions May YTD, 7.9% CMGR.



May 2024 YTD Statistics		
Charging Sessions 23,430	Off-Street Chargers 310	Average Connection Duration 2.8hrs
Total Rev/Session \$12.80	Charging Rev/Session \$5.09	Parking Rev/Session \$7.71
Return Users Rate 47% 3,253 return customers	GHG Saved 581 Tonnes 14,900 trees Planted!	Total Fuel Saved 268K Litres 67 trips around the earth!

Appendix A - Off-Street Details by Location

Address	# of Ports	Make	Model	Total transactions	Total Revenue (\$)	Utilization %	Total Energy Consumption (kWh)	# of Unique Users	Average Charger Duration (hrs)	Average Session Revenue (\$)
2 Church St	28	Flo	Core +, Core + MAX & SmartDC 50	3670	\$ 26,486.61	5%	77,053	2556	3.46	\$ 6.63
9 Wellesley St W.	8	ChargePoint	CT4000	3176	\$ 9,855.24	13%	65,208	967	4.14	\$ 3.29
110 Queen St W.	51	Flo	Core +, Core + MAX & SmartDC 50	3062	\$ 28,389.00	3%	70,899	2212	3.48	\$ 6.74
20 Dundas Sq.	8	Flo	Core +	2650	\$ 14,207.00	10%	29,270	2175	3.04	\$ 5.41
35 Erindale Ave	10	ChargePoint	CT600 & CPE250	2596	\$ 18,260.00	2%	76,650	736	1.19	\$ 6.11
365 Lippincott St	10	Flo	Core + MAX	2558	\$ 10,846.00	8%	32,760	1672	3.02	\$ 4.12
75 Holly St	29	Flo	Core +, Core + MAX & SmartDC 50	2272	\$ 17,774.00	5%	63,957	1257	5.66	\$ 5.96
45 Abell St	16	ChargePoint	CT600 & CPE250	2133	\$ 13,563.00	2%	66,236	615	2.40	\$ 4.30
14 Arundel Ave	8	Flo	Core + MAX	2034	\$ 8,224.00	9%	34,250	1171	3.01	\$ 4.01
74 Yorkville Ave	9	ChargePoint	CT600 & CPE250	1202	\$ 2,052.00	2%	14,300	768	1.76	\$ 1.75
10 Soho St.	4	Flo	Core +	1173	\$ 6,424.00	11%	17,830	892	3.45	\$ 5.45
2300 Lakeshore Blvd W.	7	ChargePoint	CT600 & CPE250	950	\$ 2,268.00	4%	25,490	281	3.21	\$ 2.50
20 Charles Street East	23	ChargePoint	CT600 & CPE250	846	\$ 2,423.03	1%	18,625	457	2.40	\$ 2.76
20 Delisle Ave	8	Flo	Core + & Core + MAX	838	\$ 4,414.00	4%	16,046	441	4.17	\$ 5.07
19 Spadina Rd	6	ChargePoint	CT6000	756	\$ 998.00	2%	11,884	290	2.32	\$ 1.80
51 Dockside Dr	11	Flo	Core + & Core + MAX	721	\$ 7,771.00	4%	17,127	328	4.35	\$ 5.76
265 Armadale Ave	9	ChargePoint	CT600 & CPE250	642	\$ 1,048.00	2%	10,817	308	2.05	\$ 1.77
1612 Danforth Ave	2	Flo	Core +	600	\$ 2,911.00	11%	11,320	269	3.00	\$ 4.87
90 Ethennonnhawahstihnen Lane	10	ChargePoint	CT4000	569	\$ 1,242.00	2%	12,759	219	4.49	\$ 2.83
168 Chiltern Hill Rd	4	ChargePoint	CT6000	496	\$ 1,406.00	5%	17,120	80	4.79	\$ 3.41
91 Via Italia	12	ChargePoint	CT6000	461	\$ 1,579.00	1%	15,010	122	3.59	\$ 2.19
10 Portland St	4	ChargePoint	CT6000	353	\$ 667.00	2%	4,991	184	2.72	\$ 2.11
40 York St	12	ChargePoint	CT6000	300	\$ 906.00	1%	6,036	195	2.87	\$ 2.64
117 Hammersmith Ave	6	Flo	Core + MAX	271	\$ 1,421.00	6%	7,805	137	5.25	\$ 5.23
74 Clinton Street	4	Flo	Core + MAX	202	\$ 1,043.00	6%	4,280	161	3.43	\$ 5.17
166 Woodbine Ave	6	Flo	Core + MAX	176	\$ 701.00	2%	2,811	100	2.42	\$ 3.99
14 Barkwin Dr	5	ChargePoint	CT600 & CPE250	Coming Soon	Coming Soon	Coming Soon	Coming Soon	Coming Soon	Coming Soon	Coming Soon
Grand Total	310			34,707	186,878.88		730,534	18,593	3.31	4.07

Comments

- CP 532 14 Barkwin location is offline due to construction. Chargers are expected to **open** in mid-June 2024.
- C43 2 Church St. 16 chargers offline between April 4 and April 26 due to flooding issues.



Appendix A – High Volume Off-Street Charging Locations

Most Transactions (Jan 1, 2023 – April 30, 2024):

- Car Park 43: 3,670 Sessions
- Car Park 304: 3,176 Sessions
- Car Park 36: 3,062 Sessions
- Car Park 34: 2,650 Sessions
- Car Park 78: 2,596 Sessions

Highest Total Revenue (Jan 1, 2023 – April 30, 2024):

- Car Park 36: \$28,389.00
- Car Park 43: \$26,486.61
- Car Park 78: \$18,260.00
- Car Park 29: \$17,774.00
- Car Park 34: \$14,207.00

Highest Utilization (Jan 1, 2023 – April 30, 2024):

- Car Park 304: 13%
- Car Park 262: 11%
- Car Park 110: 11%
- Car Park 34: 10%
- Car Park 87: 9%

Why?

- **Diverse Charger Types:** The chargers include Level 2 (L2) and Level 3 (L3) options, catering to different charging needs and speeds.
- **Varied Locations:** Chargers are strategically placed in high-usage garages and surface lots, enhancing accessibility and convenience.
- **Underserved Areas:** Primarily installed in regions lacking sufficient charging infrastructure, providing essential services where customers have limited options

Why?

- **Top Revenue Generators:** Top four locations have Level 3 DC fast-charging (DCFC) stations.
- **Increased Revenue Dynamics:** Higher hourly rates combined with rapid turnover from shorter charging times result in significantly greater revenues compared to Level 2 chargers

Why?

- **Highest Utilization:** All Level 2 (L2) chargers.
- **Strategic Placement:** Predominantly located in residential areas or high-density multi-unit residential buildings (MURBs).
- **Consistent High Usage:** Utilization is largely driven by overnight charging sessions

Appendix A – Low Volume Off-Street Charging Locations

Lowest Transaction Count (Jan 1, 2023 – April 30, 2024):

- Car Park 183: 176 Sessions
- Car Park 111: 202 Sessions
- Car Park 170: 271 Sessions
- Car Park 52: 300 Sessions
- Car Park 96: 353 Sessions

Lowest Total Revenue (Jan 1, 2023 – April 30, 2024):

- Car Park 96: \$667.00
- Car Park 183: \$701.00
- Car Park 52: \$906.00
- Car Park 231: \$998.00
- Car Park 111: \$1,043.00

Lowest Utilization (Jan 1, 2023 – April 30, 2024):

- Car Park 52: 1%
- Car Park 1: 1%
- Car Park 42: 1%
- Car Park 91: 2%
- Car Park 183: 2%

Why?

- **Charging Speed:** Low transaction and low revenue car parks only have Level 2 (L2) chargers, offering slower charging speeds.
- **Strategic Overbuilding:** Car Parks 1 and 52 were intentionally overbuilt by TPA to capitalize on reduced construction costs related to mobilizing to the site once.
- **Customer Preference:** Car Parks 1 and 91 also feature Level 3 (L3) chargers, which are preferred by customers.
- **Comparison with L3 Chargers:** L2 chargers have lower rates and turnover compared to the higher-speed Level 3 (L3) chargers

Appendix A - Off-Street Details by Port

CP #	Address	Type of EV Charger	# of Ports	Make	Model	Charger ID/Serial Number	Total transactions	Total Revenue (\$)	Utilization	Total Energy Consumption (kWh)	# of Unique Users	Average Charger Duration (hrs)	Average Session Revenue
2 Church St							3670	\$ 26,486.61	5%	77,053	2556	3.46	\$ 6.63
43	2 Church St	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-01149	324	\$ 2,335.00	16%	8,040	223	5.08	\$ 7.21
43	2 Church St	L3	1	Flo	50 kwh Flo SmartDC	AAL-00805	306	\$ 3,285.00	3%	9,530	192	0.81	\$ 10.74
43	2 Church St	L3	1	Flo	50 kwh Flo SmartDC	AAL-00806	281	\$ 3,355.00	2%	8,450	196	0.93	\$ 11.94
43	2 Church St	L2	1	Flo	7.2 kwh Flo Core	AAB-24426	269	\$ 1,043.00	7%	1,920	176	1.86	\$ 3.88
43	2 Church St	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-01148	239	\$ 1,686.00	12%	6,040	176	4.96	\$ 7.06
43	2 Church St	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-01153	229	\$ 1,499.00	13%	6,200	154	5.06	\$ 6.55
43	2 Church St	L3	1	Flo	50 kwh Flo SmartDC	AAL-00802	225	\$ 2,479.00	2%	7,660	134	0.87	\$ 11.02
43	2 Church St	L3	1	Flo	50 kwh Flo SmartDC	AAL-00808	225	\$ 2,277.00	2%	6,170	126	0.77	\$ 10.12
43	2 Church St	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-01760	222	\$ 1,342.00	12%	5,130	161	4.64	\$ 6.05
43	2 Church St	L2	1	Flo	7.2 kwh Flo Core	AAB-24430	189	\$ 1,236.00	9%	2,950	140	4.13	\$ 6.54
43	2 Church St	L2	1	Flo	7.2 kwh Flo Core	AAB-24413	160	\$ 496.00	4%	1,010	107	1.89	\$ 3.10
43	2 Church St	L2	1	Flo	7.2 kwh Flo Core	AAB-24419	157	\$ 783.00	14%	2,620	110	3.97	\$ 4.99
43	2 Church St	L2	1	Flo	7.2 kwh Flo Core	AAB-24427	150	\$ 776.00	11%	1,950	98	3.6	\$ 5.17
43	2 Church St	L2	1	Flo	7.2 kwh Flo Core	AAB-24433	148	\$ 558.00	5%	1,130	127	2.03	\$ 3.77
43	2 Church St	L2	1	Flo	19.2 kwh Flo Core + MAX	AAB-24424	125	\$ 639.00	7%	1,490	99	3.2	\$ 5.11
43	2 Church St	L2	1	Flo	7.2 kwh Flo Core	AAB-24431	121	\$ 652.00	8%	1,490	92	3.51	\$ 5.39
43	2 Church St	L2	1	Flo	7.2 kwh Flo Core	AAB-24432	109	\$ 779.00	6%	2,190	81	4.56	\$ 7.15
43	2 Church St	L2	1	Flo	7.2 kwh Flo Core	AAB-24425	41	\$ 195.00	2%	650	33	3.86	\$ 4.75
43	2 Church St	L2	1	Flo	19.2 kwh Flo Core + MAX	AAB-24422	33	\$ 247.00	3%	605	27	3.89	\$ 7.48
43	2 Church St	L2	1	Flo	7.2 kwh Flo Core	AAB-24435	25	\$ 192.00	1%	596	21	6.6	\$ 7.66
43	2 Church St	L2	1	Flo	7.2 kwh Flo Core	AAB-24436	22	\$ 124.00	0%	381	20	4.01	\$ 5.62
43	2 Church St	L2	1	Flo	19.2 kwh Flo Core + MAX	AAB-24423	20	\$ 176.00	1%	265	19	5.3	\$ 8.78
43	2 Church St	L2	1	Flo	7.2 kwh Flo Core	AAB-24429	15	\$ 92.00	0%	113	11	3.96	\$ 6.02
43	2 Church St	L2	1	Flo	7.2 kwh Flo Core	AAB-24428	14	\$ 87.00	0%	101	13	3.59	\$ 6.24
43	2 Church St	L2	1	Flo	19.2 kwh Flo Core + MAX	AAB-24421	11	\$ 61.00	0%	217	11	4.14	\$ 5.55
43	2 Church St	L2	1	Flo	7.2 kwh Flo Core	AAB-24417	6	\$ 61.95	0%	113	5	5.01	\$ 7.94
43	2 Church St	L2	1	Flo	7.2 kwh Flo Core	AAB-24416	3	\$ 25.66	0%	27	3	2.06	\$ 4.49
43	2 Church St	L2	1	Flo	7.2 kwh Flo Core	AAB-24434	1	\$ 5.00	0%	15	1	2.65	\$ 5.31



Appendix A - Off-Street Details by Port

CP #	Address	Type of EV Charger	# of Ports	Make	Model	Charger ID/Serial Number	Total transactions	Total Revenue (\$)	Utilization	Total Energy Consumption (kWh)	# of Unique Users	Average Charger Duration (hrs)	Average Session Revenue
110 Queen St W.							3062	\$ 28,389.00	3%	70,899	2212	3.48	\$ 6.74
36	110 Queen St W.	L3	1	Flo	50 kwh Flo SmartDC	AAL-00786	351	\$ 4,059.00	4%	11,150	256	0.86	\$ 11.56
36	110 Queen St W.	L3	1	Flo	50 kwh Flo SmartDC	AAL-00785	334	\$ 3,746.00	3%	10,620	228	0.84	\$ 11.21
36	110 Queen St W.	L2	1	Flo	7.2 kwh Flo Core	AAB-23478	266	\$ 1,989.00	11%	4,510	172	4.87	\$ 7.48
36	110 Queen St W.	L3	1	Flo	50 kwh Flo SmartDC	AAL-00787	260	\$ 2,805.00	3%	8,200	203	0.81	\$ 10.79
36	110 Queen St W.	L2	1	Flo	7.2 kwh Flo Core	AAB-23489	253	\$ 3,730.00	11%	5,400	165	5.57	\$ 7.96
36	110 Queen St W.	L2	1	Flo	7.2 kwh Flo Core	AAB-23458	231	\$ 1,764.00	7%	4,330	151	4.61	\$ 7.63
36	110 Queen St W.	L2	1	Flo	7.2 kwh Flo Core	AAB-23495	195	\$ 1,354.00	7%	3,460	137	4.34	\$ 8.06
36	110 Queen St W.	L2	1	Flo	7.2 kwh Flo Core	AAB-23497	173	\$ 1,124.00	4%	2,990	140	4.2	\$ 6.50
36	110 Queen St W.	L2	1	Flo	7.2 kwh Flo Core	AAB-23480	172	\$ 1,434.00	12%	3,670	123	5.49	\$ 8.34
36	110 Queen St W.	L2	1	Flo	7.2 kwh Flo Core	AAB-23467	157	\$ 1,185.00	10%	2,940	110	4.4	\$ 7.55
36	110 Queen St W.	L2	1	Flo	7.2 kwh Flo Core	AAB-23494	109	\$ 925.00	9%	2,250	80	4.7	\$ 8.49
36	110 Queen St W.	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-50037	43	\$ 379.00	7%	1,360	20	4.65	\$ 8.81
36	110 Queen St W.	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-50021	41	\$ 226.00	3%	475	24	2.42	\$ 5.50
36	110 Queen St W.	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-50026	28	\$ 193.00	4%	664	20	4.15	\$ 6.88
36	110 Queen St W.	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-50007	26	\$ 210.00	4%	645	20	4.07	\$ 8.07
36	110 Queen St W.	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-50004	24	\$ 162.00	6%	1,250	9	7.32	\$ 6.74
36	110 Queen St W.	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-50079	23	\$ 148.00	3%	560	21	4.28	\$ 6.43
36	110 Queen St W.	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-02559	23	\$ 160.00	3%	546	23	3.47	\$ 6.97
36	110 Queen St W.	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-02526	23	\$ 126.00	4%	321	18	3.36	\$ 5.49
36	110 Queen St W.	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-50000	22	\$ 139.00	3%	472	16	4.61	\$ 6.32
36	110 Queen St W.	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-50028	21	\$ 102.00	2%	273	20	2.62	\$ 4.85
36	110 Queen St W.	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-50029	21	\$ 133.00	3%	381	20	4.02	\$ 6.33
36	110 Queen St W.	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-50008	19	\$ 352.00	1%	194	13	1.69	\$ 5.42
36	110 Queen St W.	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-50056	16	\$ 82.00	1%	202	16	2.93	\$ 5.15
36	110 Queen St W.	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-50001	15	\$ 70.00	1%	288	15	2.5	\$ 4.67
36	110 Queen St W.	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-50074	15	\$ 55.00	1%	235	12	2.04	\$ 3.67
36	110 Queen St W.	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-02554	15	\$ 88.00	2%	279	14	4.92	\$ 5.88



Appendix A - Off-Street Details by Port

CP #	Address	Type of EV Charger	# of Ports	Make	Model	Charger ID/Serial Number	Total transactions	Total Revenue (\$)	Utilization	Total Energy Consumption (kWh)	# of Unique Users	Average Charger Duration (hrs)	Average Session Revenue
36	110 Queen St W.	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-50012	15	\$ 118.00	2%	282	11	4.59	\$ 7.85
36	110 Queen St W.	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-50027	14	\$ 76.00	1%	245	11	3.02	\$ 5.42
36	110 Queen St W.	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-02527	12	\$ 105.00	2%	299	11	4.89	\$ 8.78
36	110 Queen St W.	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-02555	11	\$ 47.00	1%	175	11	2.8	\$ 4.25
36	110 Queen St W.	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-02515	10	\$ 118.00	1%	172	8	3.22	\$ 7.85
36	110 Queen St W.	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-50031	10	\$ 52.00	1%	121	10	2.57	\$ 5.17
36	110 Queen St W.	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-50017	9	\$ 40.00	1%	245	7	3.53	\$ 4.46
36	110 Queen St W.	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-50025	9	\$ 75.00	1%	183	8	3.93	\$ 8.37
36	110 Queen St W.	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-02516	9	\$ 54.00	1%	96	8	3.45	\$ 6.02
36	110 Queen St W.	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-02557	8	\$ 333.00	1%	190	8	2.64	\$ 6.17
36	110 Queen St W.	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-02551	8	\$ 42.00	1%	82	8	2.13	\$ 5.31
36	110 Queen St W.	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-50057	8	\$ 24.00	1%	191	8	2.64	\$ 7.99
36	110 Queen St W.	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-50034	8	\$ 16.00	0%	49	3	1.11	\$ 1.97
36	110 Queen St W.	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-50030	8	\$ 50.00	1%	135	8	3.66	\$ 6.26
36	110 Queen St W.	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-02521	7	\$ 226.00	0%	77	7	1.57	\$ 5.50
36	110 Queen St W.	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-50003	7	\$ 42.00	1%	119	7	4.48	\$ 6.03
36	110 Queen St W.	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-50023	7	\$ 22.00	0%	83	7	1.75	\$ 3.11
36	110 Queen St W.	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-02523	7	\$ 51.00	0%	83	7	1.75	\$ 10.14
36	110 Queen St W.	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-50015	6	\$ 37.00	1%	157	5	4.5	\$ 6.09
36	110 Queen St W.	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-50022	5	\$ 18.00	0%	84	5	2.18	\$ 3.58
36	110 Queen St W.	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-50006	4	\$ 76.00	0%	67	4	3.3	\$ 5.42
36	110 Queen St W.	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-50005	2	\$ 4.00	0%	23	2	1.19	\$ 2.14
36	110 Queen St W.	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-50011	1	\$ 10.00	0%	25	1	5.58	\$ 9.90
36	110 Queen St W.	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-50009	1	\$ 13.00	0%	51	1	7.42	\$ 13.14



Appendix A - Off-Street Details by Port

CP #	Address	Type of EV Charger	# of Ports	Make	Model	Charger ID/Serial Number	Total transactions	Total Revenue (\$)	Utilization	Total Energy Consumption (kWh)	# of Unique Users	Average Charger Duration (hrs)	Average Session Revenue
9 Wellesley St W.							3176	\$ 9,855.24	13%	65,208	967	4.14	\$ 3.29
304	9 Wellesley St W.	L2	1	ChargePoint	7.2 kwh ChargePoint CT4000	222141040260	540	\$ 1,899.33	19%	12,937	130	4.42	\$ 3.52
304	9 Wellesley St W.	L2	1	ChargePoint	7.2 kwh ChargePoint CT4000	222141040300	569	\$ 1,989.72	19%	13,161	114	4.30	\$ 3.50
304	9 Wellesley St W.	L2	1	ChargePoint	7.2 kwh ChargePoint CT4000	222141040274	475	\$ 880.76	14%	9,787	127	3.63	\$ 2.98
304	9 Wellesley St W.	L2	1	ChargePoint	7.2 kwh ChargePoint CT4000	222141040313	445	\$ 1,416.91	15%	9,533	160	4.28	\$ 3.36
304	9 Wellesley St W.	L2	1	ChargePoint	7.2 kwh ChargePoint CT4000	222141040313	427	\$ 1,300.14	12%	4,799	142	3.67	\$ 3.04
304	9 Wellesley St W.	L2	1	ChargePoint	7.2 kwh ChargePoint CT4000	222141040260	251	\$ 880.76	9%	5,752	103	4.48	\$ 3.51
304	9 Wellesley St W.	L2	1	ChargePoint	7.2 kwh ChargePoint CT4000	222141040274	262	\$ 807.31	8%	4,809	103	3.97	\$ 3.08
304	9 Wellesley St W.	L2	1	ChargePoint	7.2 kwh ChargePoint CT4000	222141040300	207	\$ 680.31	7%	4,430	88	4.39	\$ 3.29
20 Dundas Sq.							2650	\$ 14,207.00	10%	29,270	2175	3.04	\$ 5.41
34	20 Dundas Sq.	L2	1	Flo	7.2 kwh Flo Core	AAB-23463	488	\$ 2,461.00	14%	4,600	404	2.52	\$ 5.04
34	20 Dundas Sq.	L2	1	Flo	7.2 kwh Flo Core	AAB-23475	424	\$ 2,271.00	10%	4,240	361	2.74	\$ 5.36
34	20 Dundas Sq.	L2	1	Flo	7.2 kwh Flo Core	AAB-23471	411	\$ 2,112.00	10%	4,630	307	2.81	\$ 5.14
34	20 Dundas Sq.	L2	1	Flo	7.2 kwh Flo Core	AAB-23484	382	\$ 2,014.00	9%	4,140	317	2.89	\$ 5.27
34	20 Dundas Sq.	L2	1	Flo	7.2 kwh Flo Core	AAB-23481	322	\$ 2,017.00	15%	4,280	254	3.78	\$ 6.26
34	20 Dundas Sq.	L2	1	Flo	7.2 kwh Flo Core	AAB-23461	295	\$ 1,536.00	5%	2,960	263	2.61	\$ 5.21
34	20 Dundas Sq.	L2	1	Flo	7.2 kwh Flo Core	AAB-23479	214	\$ 1,161.00	7%	2,830	173	3.43	\$ 5.43
34	20 Dundas Sq.	L2	1	Flo	7.2 kwh Flo Core	AAB-23482	114	\$ 635.00	6%	1,590	96	3.57	\$ 5.57
35 Erindale Ave							2596	\$ 18,260.00	2%	76,650	736	1.19	\$ 6.11
78	35 Erindale Ave	L3	1	ChargePoint	62.5 kwh ChargePoint CPE250	231014011034	413	\$ 3,656.00	2%	14,810	87	0.68	\$ 8.94
78	35 Erindale Ave	L3	1	ChargePoint	62.5 kwh ChargePoint CPE250	231114011870	411	\$ 3,653.00	2%	15,340	69	0.71	\$ 9.29
78	35 Erindale Ave	L3	1	ChargePoint	62.5 kwh ChargePoint CPE250	231114011875	373	\$ 3,346.00	3%	13,640	81	0.71	\$ 9.22
78	35 Erindale Ave	L3	1	ChargePoint	62.5 kwh ChargePoint CPE250	231114011871	301	\$ 2,648.00	2%	10,030	98	0.69	\$ 9.07
78	35 Erindale Ave	L3	1	ChargePoint	62.5 kwh ChargePoint CPE250	231114011883	247	\$ 2,165.00	2%	8,130	63	0.72	\$ 9.33
78	35 Erindale Ave	L3	1	ChargePoint	62.5 kwh ChargePoint CPE250	231114011856	232	\$ 1,827.00	1%	6,500	92	0.69	\$ 8.78
78	35 Erindale Ave	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087717	170	\$ 241.00	3%	3,110	60	2.28	\$ 1.46
78	35 Erindale Ave	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087953	163	\$ 271.00	3%	2,460	76	2.21	\$ 1.76
78	35 Erindale Ave	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087953	156	\$ 335.00	3%	1,510	62	2.00	\$ 2.36
78	35 Erindale Ave	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087717	130	\$ 118.00	1%	1,120	48	1.23	\$ 0.93



Appendix A - Off-Street Details by Port

CP #	Address	Type of EV Charger	# of Ports	Make	Model	Charger ID/Serial Number	Total transactions	Total Revenue (\$)	Utilization	Total Energy Consumption (kWh)	# of Unique Users	Average Charger Duration (hrs)	Average Session Revenue
365 Lippincott St							2558	\$ 10,846.00	8%	32,760	1672	3.02	\$ 4.12
51	365 Lippincott St	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-01107	465	\$ 2,129.00	17%	7,830	238	4.08	\$ 4.58
51	365 Lippincott St	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-01105	331	\$ 1,650.00	13%	4,830	198	3.44	\$ 4.98
51	365 Lippincott St	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-01109	308	\$ 1,313.00	7%	3,620	215	2.97	\$ 4.26
51	365 Lippincott St	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-01143	291	\$ 1,225.00	10%	3,510	193	3.14	\$ 4.21
51	365 Lippincott St	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-01139	271	\$ 1,197.00	6%	2,820	174	2.83	\$ 4.42
51	365 Lippincott St	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-01137	235	\$ 936.00	5%	2,410	173	2.46	\$ 3.98
51	365 Lippincott St	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-01108	218	\$ 878.00	5%	2,220	156	2.77	\$ 4.03
51	365 Lippincott St	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-001140	170	\$ 407.00	6%	2,830	91	3.87	\$ 2.40
51	365 Lippincott St	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-01145	166	\$ 659.00	4%	1,640	142	2.27	\$ 3.97
51	365 Lippincott St	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-01141	103	\$ 452.00	2%	1,050	92	2.35	\$ 4.38



Appendix A - Off-Street Details by Port

CP #	Address	Type of EV Charger	# of Ports	Make	Model	Charger ID/Serial Number	Total transactions	Total Revenue (\$)	Utilization	Total Energy Consumption (kWh)	# of Unique Users	Average Charger Duration (hrs)	Average Session Revenue
75 Holly St							2272	\$ 17,774.00	5%	63,957	1257	5.66	\$ 5.96
29	75 Holly St	L3	1	Flo	50 kwh Flo SmartDC	AAL-00807	918	\$ 9,962.00	9%	28,270	429	0.82	\$ 10.85
29	75 Holly St	L2	1	Flo	7.2 kwh Flo Core	AAJ-01012	195	\$ 1,313.00	21%	6,810	82	5.84	\$ 6.73
29	75 Holly St	L2	1	Flo	7.2 kwh Flo Core	AAB-24411	194	\$ 977.00	8%	2,850	158	3.42	\$ 5.04
29	75 Holly St	L2	1	Flo	7.2 kwh Flo Core	AAJ-01024	153	\$ 908.00	8%	4,280	83	4.39	\$ 5.93
29	75 Holly St	L2	1	Flo	7.2 kwh Flo Core	AAB-24168	133	\$ 723.00	13%	3,400	72	5.69	\$ 5.44
29	75 Holly St	L2	1	Flo	7.2 kwh Flo Core	AAB-24400	118	\$ 701.00	10%	2,670	77	5.48	\$ 5.94
29	75 Holly St	L2	1	Flo	7.2 kwh Flo Core	AAJ-01011	96	\$ 515.00	8%	2,850	60	3.42	\$ 5.37
29	75 Holly St	L2	1	Flo	7.2 kwh Flo Core	AAB-24408	51	\$ 277.00	3%	625	46	3.37	\$ 5.44
29	75 Holly St	L2	1	Flo	19.2 kwh Flo Core + MAX	AAB-24418	48	\$ 282.00	14%	2,010	9	9.69	\$ 5.87
29	75 Holly St	L2	1	Flo	7.2 kwh Flo Core	AAB-24399	34	\$ 180.00	1%	480	29	3.19	\$ 5.30
29	75 Holly St	L2	1	Flo	7.2 kwh Flo Core	AAB-24420	34	\$ 186.00	4%	1,070	15	6.95	\$ 5.47
29	75 Holly St	L2	1	Flo	7.2 kwh Flo Core	AAB-24410	29	\$ 146.00	8%	1,200	12	8.89	\$ 5.05
29	75 Holly St	L2	1	Flo	7.2 kwh Flo Core	AAB-24401	27	\$ 165.00	2%	952	9	8.43	\$ 6.10
29	75 Holly St	L2	1	Flo	7.2 kwh Flo Core	AAB-24234	26	\$ 179.00	2%	664	19	5.57	\$ 6.89
29	75 Holly St	L2	1	Flo	7.2 kwh Flo Core	AAB-24415	26	\$ 142.00	2%	825	16	7.49	\$ 5.46
29	75 Holly St	L2	1	Flo	7.2 kwh Flo Core	AAB-24412	22	\$ 130.00	21%	522	16	5.03	\$ 5.90
29	75 Holly St	L2	1	Flo	7.2 kwh Flo Core	AAB-24403	19	\$ 117.00	0%	401	17	4.76	\$ 6.18
29	75 Holly St	L2	1	Flo	19.2 kwh Flo Core + MAX	AAB-24172	17	\$ 82.00	1%	541	8	7.49	\$ 4.82
29	75 Holly St	L2	1	Flo	7.2 kwh Flo Core	AAB-24404	16	\$ 77.00	1%	279	13	4.22	\$ 4.82
29	75 Holly St	L2	1	Flo	7.2 kwh Flo Core	AAB-24406	15	\$ 74.00	1%	377	14	4.87	\$ 4.95
29	75 Holly St	L2	1	Flo	7.2 kwh Flo Core	AAB-24173	15	\$ 129.00	0%	462	10	7.49	\$ 8.61
29	75 Holly St	L2	1	Flo	7.2 kwh Flo Core	AAB-24402	14	\$ 80.00	1%	418	9	6.61	\$ 5.75
29	75 Holly St	L2	1	Flo	7.2 kwh Flo Core	AAB-24397	14	\$ 61.00	1%	205	12	3.81	\$ 4.35
29	75 Holly St	L2	1	Flo	7.2 kwh Flo Core	AAB-24409	13	\$ 87.00	2%	454	9	8.9	\$ 6.73
29	75 Holly St	L2	1	Flo	19.2 kwh Flo Core + MAX	AAB-24407	13	\$ 118.00	0%	466	6	8.57	\$ 9.10
29	75 Holly St	L2	1	Flo	19.2 kwh Flo Core + MAX	AAB-24405	9	\$ 48.00	0%	133	9	4.69	\$ 5.37
29	75 Holly St	L2	1	Flo	7.2 kwh Flo Core	AAJ-01014	8	\$ 46.00	0%	246	6	6.05	\$ 6.38
29	75 Holly St	L2	1	Flo	7.2 kwh Flo Core	AAB-24414	8	\$ 46.00	0%	426	6	6.05	\$ 5.76
29	75 Holly St	L2	1	Flo	7.2 kwh Flo Core	AAB-24398	7	\$ 23.00	0%	71	6	2.99	\$ 3.27



Appendix A - Off-Street Details by Port

CP #	Address	Type of EV Charger	# of Ports	Make	Model	Charger ID/Serial Number	Total transactions	Total Revenue (\$)	Utilization	Total Energy Consumption (kWh)	# of Unique Users	Average Charger Duration (hrs)	Average Session Revenue
45 Abell St							2133	\$ 13,563.00	2%	66,236	615	2.40	\$ 4.30
261	45 Abell St	L3	1	ChargePoint	62.5 kwh ChargePoint CPE250	231114011887	446	\$ 4,100.00	3%	16,540	93	0.74	\$ 9.63
261	45 Abell St	L3	1	ChargePoint	62.5 kwh ChargePoint CPE250	231114011868	435	\$ 3,682.00	3%	15,470	88	0.72	\$ 9.23
261	45 Abell St	L3	1	ChargePoint	62.5 kwh ChargePoint CPE250	231114011876	312	\$ 2,780.00	2%	10,810	82	0.76	\$ 9.82
261	45 Abell St	L3	1	ChargePoint	62.5 kwh ChargePoint CPE250	231114011858	213	\$ 1,712.00	1%	7,140	74	0.72	\$ 9.41
261	45 Abell St	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087623	92	\$ 136.00	2%	1,190	41	1.92	\$ 1.68
261	45 Abell St	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087623	89	\$ 130.00	2%	2,130	37	2.8	\$ 2.03
261	45 Abell St	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087543	84	\$ 175.00	3%	2,490	16	3.75	\$ 3.98
261	45 Abell St	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087541	80	\$ 145.00	2%	1,770	30	2.59	\$ 2.10
261	45 Abell St	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087543	65	\$ 77.00	1%	1,040	16	2.62	\$ 2.14
261	45 Abell St	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087544	65	\$ 167.00	2%	2,020	11	3.57	\$ 2.92
261	45 Abell St	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231676084025	58	\$ 91.00	1%	999	33	2.31	\$ 2.28
261	45 Abell St	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231676084025	57	\$ 109.00	2%	1,360	24	3.08	\$ 3.29
261	45 Abell St	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087541	41	\$ 73.00	1%	1,130	20	3.34	\$ 2.37
261	45 Abell St	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231676086932	39	\$ 48.00	1%	579	16	2.05	\$ 1.60
261	45 Abell St	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231676086932	30	\$ 71.00	1%	813	20	3.69	\$ 3.09
261	45 Abell St	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087544	27	\$ 67.00	1%	755	14	3.72	\$ 3.18
14 Arundel Ave							2034	\$ 8,224.00	9%	34,250	1171	3.01	\$ 4.01
87	14 Arundel Ave	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-01142	353	\$ 636.00	3%	3,460	168	3.46	\$ 4.03
87	14 Arundel Ave	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-01150	343	\$ 1,336.00	11%	5,670	203	2.74	\$ 3.90
87	14 Arundel Ave	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-01151	331	\$ 1,139.00	9%	6,420	179	3.3	\$ 4.10
87	14 Arundel Ave	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-01103	278	\$ 1,342.00	11%	5,110	174	2.99	\$ 4.05
87	14 Arundel Ave	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-01102	230	\$ 1,009.00	8%	4,200	146	2.84	\$ 4.39
87	14 Arundel Ave	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-01138	210	\$ 1,466.00	22%	3,260	134	2.55	\$ 4.15
87	14 Arundel Ave	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-01110	158	\$ 842.00	3%	4,010	93	3.66	\$ 4.01
87	14 Arundel Ave	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-01106	131	\$ 454.00	2%	2,120	74	2.54	\$ 3.47



Appendix A - Off-Street Details by Port

CP #	Address	Type of EV Charger	# of Ports	Make	Model	Charger ID/Serial Number	Total transactions	Total Revenue (\$)	Utilization	Total Energy Consumption (kWh)	# of Unique Users	Average Charger Duration (hrs)	Average Session Revenue
74 Yorkville Ave													
215	74 Yorkville Ave	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231676086933	244	\$ 289.00	3%	2,720	163	1.52	\$ 1.34
215	74 Yorkville Ave	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231676086933	222	\$ 294.00	3%	2,310	130	1.63	\$ 1.42
215	74 Yorkville Ave	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231376074742	144	\$ 483.00	2%	1,930	96	1.93	\$ 2.14
215	74 Yorkville Ave	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231376074742	132	\$ 165.00	2%	1,360	88	1.54	\$ 1.37
215	74 Yorkville Ave	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087793	125	\$ 204.00	2%	1,460	89	1.58	\$ 1.64
215	74 Yorkville Ave	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087793	117	\$ 161.00	0%	1,370	70	1.52	\$ 1.45
215	74 Yorkville Ave	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231576080526	112	\$ 201.00	2%	1,480	72	1.94	\$ 1.99
215	74 Yorkville Ave	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231576080526	106	\$ 255.00	2%	1,670	60	2.45	\$ 2.63
215	74 Yorkville Ave	L3	1	ChargePoint	62.5 kwh ChargePoint CPE250	231114011880	Coming Soon	Coming Soon	Coming Soon	Coming Soon	Coming Soon	Coming Soon	Coming Soon
10 Soho St.													
262	10 Soho St.	L2	1	Flo	7.2 kwh Flo Core	AAB-23460	345	\$ 2,076.00	17%	6,860	220	4.38	\$ 6.02
262	10 Soho St.	L2	1	Flo	7.2 kwh Flo Core	AAB-23462	304	\$ 1,626.00	11%	4,180	243	3.56	\$ 5.35
262	10 Soho St.	L2	1	Flo	7.2 kwh Flo Core	AAB-23459	290	\$ 1,474.00	9%	3,830	239	3.06	\$ 5.08
262	10 Soho St.	L2	1	Flo	7.2 kwh Flo Core	AAB-23457	234	\$ 1,248.00	8%	2,960	190	2.79	\$ 5.33
2300 Lakeshore Blvd W.													
533	2300 Lakeshore Blvd W.	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087430	268	\$ 623.00	7%	7,660	53	3.21	\$ 2.51
533	2300 Lakeshore Blvd W.	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231676087106	191	\$ 460.00	5%	5,640	48	3.30	\$ 2.47
533	2300 Lakeshore Blvd W.	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087949	154	\$ 390.00	4%	4,170	39	3.23	\$ 2.57
533	2300 Lakeshore Blvd W.	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087430	137	\$ 300.00	3%	3,210	60	2.93	\$ 2.38
533	2300 Lakeshore Blvd W.	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087949	101	\$ 238.00	3%	2,470	34	3.47	\$ 2.40
533	2300 Lakeshore Blvd W.	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231676087106	99	\$ 257.00	3%	2,340	47	3.14	\$ 2.67
533	2300 Lakeshore Blvd W.	L3	1	ChargePoint	62.5 kwh ChargePoint CPE250	231114011843	Coming Soon	Coming Soon	Coming Soon	Coming Soon	Coming Soon	Coming Soon	Coming Soon



Appendix A - Off-Street Details by Port

CP #	Address	Type of EV Charger	# of Ports	Make	Model	Charger ID/Serial Number	Total transactions	Total Revenue (\$)	Utilization	Total Energy Consumption (kWh)	# of Unique Users	Average Charger Duration (hrs)	Average Session Revenue
20 Charles Street East							846	\$ 2,423.03	1%	18,625	457	2.40	\$ 2.70
1	20 Charles Street East	L3	1	ChargePoint	62.5 kwh ChargePoint CPE250	231114011873	82	\$ 221.00	1%	1,980	43	0.88	\$ 11.63
1	20 Charles Street East	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087435	81	\$ 183.00	2%	1,200	35	2.36	\$ 2.26
1	20 Charles Street East	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087435	74	\$ 168.00	1%	1,510	40	2.47	\$ 2.30
1	20 Charles Street East	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231676083724	66	\$ 179.00	2%	1,430	33	2.81	\$ 2.72
1	20 Charles Street East	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087951	62	\$ 164.00	1%	1,160	36	2.59	\$ 2.64
1	20 Charles Street East	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087948	56	\$ 186.00	1%	1,250	37	2.93	\$ 3.39
1	20 Charles Street East	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	232676119557	48	\$ 107.00	1%	715	23	2.00	\$ 2.22
1	20 Charles Street East	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	232676119557	46	\$ 152.00	1%	1,330	28	3.57	\$ 3.31
1	20 Charles Street East	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	232776122310	45	\$ 110.00	1%	855	27	2.41	\$ 2.44
1	20 Charles Street East	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087718	43	\$ 121.00	1%	970	19	3.07	\$ 2.82
1	20 Charles Street East	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231676083724	35	\$ 89.00	1%	688	24	2.45	\$ 2.55
1	20 Charles Street East	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	232776122310	30	\$ 117.00	1%	834	20	3.27	\$ 3.89
1	20 Charles Street East	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087951	28	\$ 80.00	1%	718	17	3.17	\$ 2.86
1	20 Charles Street East	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087718	27	\$ 52.00	0%	376	15	2.25	\$ 2.38
1	20 Charles Street East	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	232676120491	24	\$ 311.00	1%	888	8	4.10	\$ 2.94
1	20 Charles Street East	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087719	23	\$ 30.00	0%	850	8	4.00	\$ 3.36
1	20 Charles Street East	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087719	22	\$ 56.00	1%	868	7	4.21	\$ 2.54
1	20 Charles Street East	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087948	20	\$ 37.00	0%	872	13	2.41	\$ 1.87
1	20 Charles Street East	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	232776122309	14	\$ 17.00	0%	0	8	0.00	\$ 1.24
1	20 Charles Street East	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	232776122309	11	\$ 4.00	0%	0	8	0.00	\$ 0.32
1	20 Charles Street East	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087950	4	\$ 7.00	0%	103	4	3.01	\$ 1.85
1	20 Charles Street East	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	232676120491	4	\$ 32.00	0%	27	3	1.08	\$ 0.61
1	20 Charles Street East	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087950	1	\$ 0.03	0%	1	1	0.05	\$ 0.03



Appendix A - Off-Street Details by Port

CP #	Address	Type of EV Charger	# of Ports	Make	Model	Charger ID/Serial Number	Total transactions	Total Revenue (\$)	Utilization	Total Energy Consumption (kWh)	# of Unique Users	Average Charger Duration (hrs)	Average Session Revenue
20 Delisle Ave							838	\$ 4,414.00	4%	16,046	441	4.17	\$ 5.07
13	20 Delisle Ave	L2	1	Flo	7.2 kwh Flo Core	AAB-23468	207	\$ 1,211.00	5%	3,750	107	3.75	\$ 5.85
13	20 Delisle Ave	L2	1	Flo	7.2 kwh Flo Core	AAB-23466	159	\$ 1,001.00	10%	3,170	83	4.81	\$ 5.50
13	20 Delisle Ave	L2	1	Flo	7.2 kwh Flo Core	AAB-23483	159	\$ 847.00	4%	2,690	93	3.72	\$ 5.33
13	20 Delisle Ave	L2	1	Flo	7.2 kwh Flo Core	AAB-23470	148	\$ 614.00	5%	2,890	74	3.71	\$ 4.48
13	20 Delisle Ave	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-50070	64	\$ 266.00	1%	1,440	19	3.56	\$ 4.15
13	20 Delisle Ave	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-50066	49	\$ 171.00	2%	667	31	2.42	\$ 3.49
13	20 Delisle Ave	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-50065	28	\$ 156.00	4%	990	19	5.94	\$ 5.57
13	20 Delisle Ave	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-50073	24	\$ 148.00	1%	449	15	5.41	\$ 6.17
19 Spadina Rd							756	\$ 998.00	2%	11,884	290	2.32	\$ 1.80
231	19 Spadina Rd	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087428	251	\$ 298.00	3%	2,810	66	1.54	\$ 1.41
231	19 Spadina Rd	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087434	135	\$ 151.00	2%	2,010	40	1.88	\$ 1.43
231	19 Spadina Rd	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087428	118	\$ 175.00	2%	2,190	50	2.26	\$ 1.88
231	19 Spadina Rd	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087434	114	\$ 203.00	3%	2,680	61	3.04	\$ 2.16
231	19 Spadina Rd	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087282	75	\$ 84.00	1%	874	40	1.9	\$ 1.67
231	19 Spadina Rd	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087282	63	\$ 87.00	2%	1,320	33	3.29	\$ 2.23
51 Dockside Dr							721	\$ 7,771.00	4%	17,127	328	4.35	\$ 5.76
286	51 Dockside Dr	L2	1	Flo	7.2 kwh Flo Core	AAB-23464	197	\$ 1,171.00	8%	3,990	84	5.15	\$ 5.94
286	51 Dockside Dr	L2	1	Flo	7.2 kwh Flo Core	AAB-23488	190	\$ 1,074.00	19%	6,770	60	7.76	\$ 5.65
286	51 Dockside Dr	L2	1	Flo	7.2 kwh Flo Core	AAB-23491	128	\$ 755.00	6%	1,790	66	3.91	\$ 5.90
286	51 Dockside Dr	L2	1	Flo	7.2 kwh Flo Core	AAB-23477	91	\$ 659.00	4%	2,180	46	5.4	\$ 7.24
286	51 Dockside Dr	L2	1	Flo	7.2 kwh Flo Core	AAB-23472	45	\$ 237.00	1%	687	33	3.89	\$ 5.27
286	51 Dockside Dr	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-02552	36	\$ 844.00	5%	1,120	9	4.21	\$ 6.03
286	51 Dockside Dr	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-02528	13	\$ 654.00	1%	236	11	2.86	\$ 5.59
286	51 Dockside Dr	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-02514	10	\$ 640.00	1%	241	8	3.94	\$ 5.61
286	51 Dockside Dr	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-50020	4	\$ 588.00	0%	80	4	2.65	\$ 5.44
286	51 Dockside Dr	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-02519	4	\$ 575.00	1%	20	4	4.51	\$ 5.33
286	51 Dockside Dr	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-50035	3	\$ 574.00	0%	13	3	3.54	\$ 5.36



Appendix A - Off-Street Details by Port

CP #	Address	Type of EV Charger	# of Ports	Make	Model	Charger ID/Serial Number	Total transactions	Total Revenue (\$)	Utilization	Total Energy Consumption (kWh)	# of Unique Users	Average Charger Duration (hrs)	Average Session Revenue
265 Armadale													
91	265 Armadale	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231676083928	122	\$ 216.00	3%	2,580	49	2.39	\$ 1.89
91	265 Armadale	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231676083928	104	\$ 153.00	2%	1,730	51	2.12	\$ 1.74
91	265 Armadale	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087295	97	\$ 175.00	2%	1,690	46	2.35	\$ 2.04
91	265 Armadale	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087429	85	\$ 106.00	1%	1,010	34	1.46	\$ 1.24
91	265 Armadale	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087295	83	\$ 127.00	1%	1,430	35	2	\$ 1.63
91	265 Armadale	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087426	57	\$ 101.00	1%	832	32	1.87	\$ 1.80
91	265 Armadale	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087426	48	\$ 104.00	1%	784	32	2.35	\$ 2.42
91	265 Armadale	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087429	46	\$ 66.00	1%	761	29	1.84	\$ 1.43
91	265 Armadale	L3	1	ChargePoint	62.5 kwh ChargePoint CPE250	231214011874	Coming Soon	Coming Soon	Coming Soon	Coming Soon	Coming Soon	Coming Soon	Coming Soon
1612 Danforth Ave													
110	1612 Danforth Ave	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-01144	345	\$ 1,636.00	11%	5,830	141	2.69	\$ 4.74
110	1612 Danforth Ave	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-01101	255	\$ 1,275.00	11%	5,490	128	3.31	\$ 5.00
90 Ethennonnhawahstihnen Lane													
426	90 Ethennonnhawahstihnen Lane	L2	1	ChargePoint	7.2 kwh ChargePoint CT4000	224841117735	100	\$ 192.00	3%	2,270	40	3.98	\$ 2.49
426	90 Ethennonnhawahstihnen Lane	L2	1	ChargePoint	7.2 kwh ChargePoint CT4000	224841117735	89	\$ 109.00	2%	973	28	2.03	\$ 1.42
426	90 Ethennonnhawahstihnen Lane	L2	1	ChargePoint	7.2 kwh ChargePoint CT4000	224841117613	88	\$ 247.00	4%	2,690	29	5.38	\$ 3.29
426	90 Ethennonnhawahstihnen Lane	L2	1	ChargePoint	7.2 kwh ChargePoint CT4000	224841117613	88	\$ 159.00	3%	1,640	39	3.48	\$ 2.75
426	90 Ethennonnhawahstihnen Lane	L2	1	ChargePoint	7.2 kwh ChargePoint CT4000	224841117621	47	\$ 115.00	2%	1,080	13	4.24	\$ 2.74
426	90 Ethennonnhawahstihnen Lane	L2	1	ChargePoint	7.2 kwh ChargePoint CT4000	224841117444	41	\$ 91.00	2%	1,020	22	4.58	\$ 2.52
426	90 Ethennonnhawahstihnen Lane	L2	1	ChargePoint	7.2 kwh ChargePoint CT4000	224841117394	38	\$ 136.00	2%	1,210	12	6.54	\$ 3.77
426	90 Ethennonnhawahstihnen Lane	L2	1	ChargePoint	7.2 kwh ChargePoint CT4000	224841117444	36	\$ 76.00	1%	652	20	3.51	\$ 2.71
426	90 Ethennonnhawahstihnen Lane	L2	1	ChargePoint	7.2 kwh ChargePoint CT4000	224841117621	34	\$ 93.00	2%	964	12	5.18	\$ 3.20
426	90 Ethennonnhawahstihnen Lane	L2	1	ChargePoint	7.2 kwh ChargePoint CT4000	224841117394	8	\$ 24.00	0%	260	4	5.99	\$ 3.41



Appendix A - Off-Street Details by Port

CP #	Address	Type of EV Charger	# of Ports	Make	Model	Charger ID/Serial Number	Total transactions	Total Revenue (\$)	Utilization	Total Energy Consumption (kWh)	# of Unique Users	Average Charger Duration (hrs)	Average Session Revenue
168 Chiltern Hill Rd													
655	168 Chiltern Hill Rd	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087287	496	\$ 1,406.00	5%	17,120	80	4.79	\$ 3.41
655	168 Chiltern Hill Rd	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087546	158	\$ 323.00	5%	4,120	27	3.81	\$ 2.91
655	168 Chiltern Hill Rd	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087287	132	\$ 479.00	6%	5,220	13	5.61	\$ 3.83
655	168 Chiltern Hill Rd	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087287	109	\$ 292.00	4%	3,340	26	4.50	\$ 3.52
655	168 Chiltern Hill Rd	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087546	97	\$ 312.00	4%	4,440	14	5.22	\$ 3.39
91 Via Italia													
42	91 Via Italia	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087548	461	\$ 1,579.00	1%	15,010	122	3.59	\$ 2.19
42	91 Via Italia	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087548	96	\$ 494.00	4%	4,590	8		
42	91 Via Italia	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231676086848	91	\$ 320.00	4%	3,600	21	5.43	\$ 3.63
42	91 Via Italia	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087286	55	\$ 193.00	1%	680	20	1.58	\$ 1.15
42	91 Via Italia	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231676087146	49	\$ 137.00	1%	1,570	10	3.38	\$ 2.64
42	91 Via Italia	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231676087146	43	\$ 89.00	1%	1,030	11	2.62	\$ 2.02
42	91 Via Italia	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087286	32	\$ 100.00	1%	1,140	7	5.01	\$ 3.23
42	91 Via Italia	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231676087207	22	\$ 13.00	1%	652	2	5.41	\$ 0.51
42	91 Via Italia	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231676086848	22	\$ 56.00	0%	446	13	2.52	\$ 2.35
42	91 Via Italia	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231676087141	16	\$ 42.00	0%	447	10	3.46	\$ 2.22
42	91 Via Italia	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231676087141	15	\$ 25.00	0%	288	11	2.41	\$ 1.40
42	91 Via Italia	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087548	14	\$ 93.00	0%	386	4	2.81	\$ 2.07
42	91 Via Italia	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231676087207	6	\$ 17.00	0%	181	5	3.24	\$ 1.70
10 Portland St													
96	10 Portland St	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087622	353	\$ 667.00	2%	4,991	184	2.72	\$ 2.11
96	10 Portland St	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087550	120	\$ 207.00	3%	1,630	62	2.54	\$ 2.05
96	10 Portland St	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087622	87	\$ 212.00	2%	1,510	46	3.33	\$ 2.55
96	10 Portland St	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087622	84	\$ 142.00	1%	899	43	2.04	\$ 2.03
96	10 Portland St	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087550	62	\$ 106.00	2%	952	33	2.97	\$ 1.82



Appendix A - Off-Street Details by Port

CP #	Address	Type of EV Charger	# of Ports	Make	Model	Charger ID/Serial Number	Total transactions	Total Revenue (\$)	Utilization	Total Energy Consumption (kWh)	# of Unique Users	Average Charger Duration (hrs)	Average Session Revenue
40 York St													
52	40 York St	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231676086631	81	\$ 196.00	2%	1,380	58	2.42	\$ 2.39
52	40 York St	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231676087148	42	\$ 133.00	1%	1,030	22	2.84	\$ 3.32
52	40 York St	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231676086631	40	\$ 107.00	1%	694	24	2.46	\$ 2.56
52	40 York St	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231676087108	33	\$ 102.00	1%	706	26	2.89	\$ 2.75
52	40 York St	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231676087105	30	\$ 147.00	1%	784	13	2.77	\$ 4.44
52	40 York St	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231676087148	18	\$ 65.00	0%	420	12	3.08	\$ 3.08
52	40 York St	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231676084779	17	\$ 33.00	0%	225	10	2.02	\$ 1.55
52	40 York St	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231676087105	15	\$ 26.00	0%	210	10	1.82	\$ 1.44
52	40 York St	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231676087108	10	\$ 21.00	0%	168	10	2.31	\$ 1.62
52	40 York St	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231676084779	6	\$ 40.00	0%	126	6	2.40	\$ 4.04
52	40 York St	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087720	6	\$ 23.00	0%	219	2	4.50	\$ 2.33
52	40 York St	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087720	2	\$ 13.00	0%	74	2	4.96	\$ 2.20
117 Hammersmith Ave													
170	117 Hammersmith Ave	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-50053	62	\$ 276.00	4%	1,160	35	2.91	\$ 4.45
170	117 Hammersmith Ave	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-50040	57	\$ 255.00	9%	1,850	31	4.72	\$ 4.48
170	117 Hammersmith Ave	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-50061	45	\$ 432.00	9%	2,050	9	10.69	\$ 9.60
170	117 Hammersmith Ave	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-50063	42	\$ 177.00	5%	795	29	3.39	\$ 4.20
170	117 Hammersmith Ave	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-50050	35	\$ 155.00	7%	1,420	12	6.54	\$ 4.42
170	117 Hammersmith Ave	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-50072	30	\$ 126.00	3%	530	21	3.27	\$ 4.22



Appendix A - Off-Street Details by Port

CP #	Address	Type of EV Charger	# of Ports	Make	Model	Charger ID/Serial Number	Total transactions	Total Revenue (\$)	Utilization	Total Energy Consumption (kWh)	# of Unique Users	Average Charger Duration (hrs)	Average Session Revenue
74 Clinton St							202	\$ 1,043.00	6%	4,280	161	3.43	\$ 5.17
111	74 Clinton St	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-50062	67	\$ 351.00	8%	1,390	55	3.53	\$ 5.25
111	74 Clinton St	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-50046	50	\$ 234.00	5%	979	39	3.15	\$ 4.69
111	74 Clinton St	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-50051	45	\$ 254.00	6%	1,100	37	3.85	\$ 5.64
111	74 Clinton St	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-50067	40	\$ 204.00	4%	811	30	3.18	\$ 5.11
166 Woodbine Ave							176	\$ 701.00	2%	2,811	100	2.42	\$ 3.99
183	166 Woodbine Ave	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-50068	56	\$ 222.00	3%	800	24	2.23	\$ 3.97
183	166 Woodbine Ave	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-50069	38	\$ 156.00	2%	580	25	2.19	\$ 4.09
183	166 Woodbine Ave	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-50076	31	\$ 116.00	1%	561	15	2.14	\$ 3.74
183	166 Woodbine Ave	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-50071	22	\$ 88.00	2%	417	11	2.74	\$ 3.99
183	166 Woodbine Ave	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-50077	15	\$ 59.00	1%	204	12	2.46	\$ 3.91
183	166 Woodbine Ave	L2	1	Flo	19.2 kwh Flo Core + MAX	AAJ-50075	14	\$ 60.00	1%	249	13	2.73	\$ 4.25
14 Barkwin Dr							Coming Soon	Coming Soon	Coming Soon	Coming Soon	Coming Soon	Coming Soon	Coming Soon
532	14 Barkwin Dr	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087432	Coming Soon	Coming Soon	Coming Soon	Coming Soon	Coming Soon	Coming Soon	Coming Soon
532	14 Barkwin Dr	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087432	Coming Soon	Coming Soon	Coming Soon	Coming Soon	Coming Soon	Coming Soon	Coming Soon
532	14 Barkwin Dr	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087542	Coming Soon	Coming Soon	Coming Soon	Coming Soon	Coming Soon	Coming Soon	Coming Soon
532	14 Barkwin Dr	L2	1	ChargePoint	19.2 kwh ChargePoint CP6000	231776087542	Coming Soon	Coming Soon	Coming Soon	Coming Soon	Coming Soon	Coming Soon	Coming Soon
532	14 Barkwin Dr	L3	1	ChargePoint	62.5 kwh ChargePoint CPE250	2311140111862	Coming Soon	Coming Soon	Coming Soon	Coming Soon	Coming Soon	Coming Soon	Coming Soon
Total			310				34,707	\$ 186,878.88		730,534	18,593	3.31	4.07

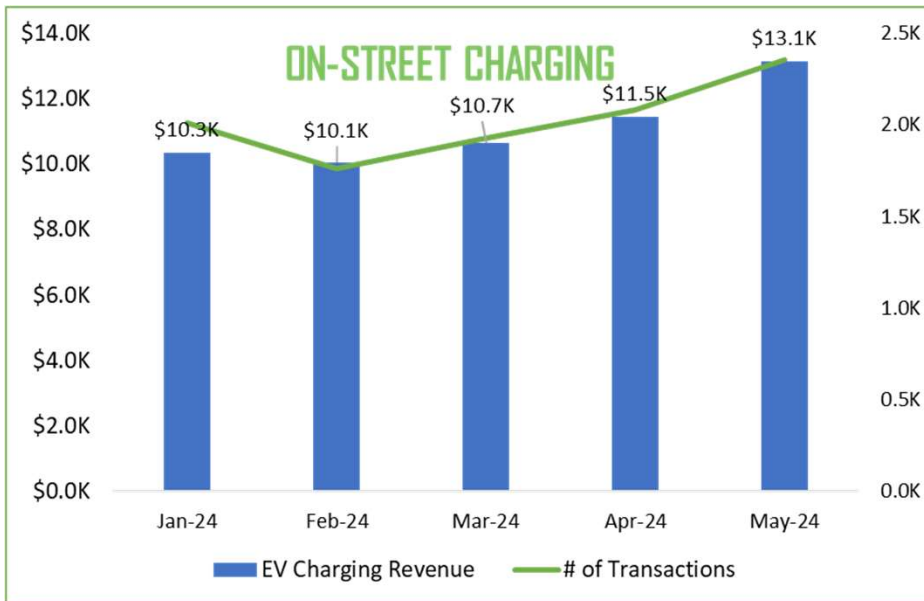


Appendix B: On-Street EV Chargers

June 2024



Appendix B - 10,000 On-Street charging sessions May YTD, 5.3% CMGR.



May 2024 YTD Statistics		
Charging Sessions 10,130	On-Street Chargers 96	Average Connection Duration 5.0 hrs
Total Revenue \$55.7K	Charging Rev./Session \$5.49	Parking Rev./Session \$1.76K
Return Users Rate 58%  1,296 return customers	GHG Saved 267  Tonnes 9,315 trees planted!	Total Fuel Saved 125K  Litres 31 trips around the earth!

Appendix B - On-Street Details by Location

Address	# of Ports	Make	Model	Activation Date	Total transactions	Total Revenue (\$)	Utilization %	Total Energy Consumption (kWh)	# of Unique Users	Average Charger Duration (hrs)	Average Session Revenue (\$)
248 Shaw St	2	Flo	SmartTWO	22/09/2022	2388	\$11,513.00	96%	58170	656	9	\$9.64
10 Palmerston Ave	2	Flo	SmartTWO	30/09/2022	2167	\$11,884.00	106%	63200	637	11	\$10.95
91 Elizabeth St	2	Flo	SmartTWO	22/09/2020	2113	\$9,225.00	65%	36380	775	7.1	\$8.70
115 High Park Ave	2	Flo	SmartTWO	15/12/2022	1545	\$7,074.00	70%	42080	358	11	\$9.12
43 Alton Ave	2	Flo	SmartTWO	22/09/2020	1532	\$7,986.00	74%	35870	343	11	\$10.42
685 Dovercourt Rd	2	Flo	SmartTWO	15/12/2022	1283	\$5,897.00	54%	31980	365	8.92	\$9.18
258 Riverdale Ave	2	Flo	SmartTWO	15/12/2022	1253	\$6,635.00	56%	33380	283	10	\$10.58
124 Mountjoy Ave	2	Flo	SmartTWO	22/09/2020	1238	\$5,818.00	53%	31130	273	10	\$9.33
535 Runnymede Rd	2	Flo	SmartTWO	15/12/2022	1178	\$5,892.00	69%	36570	233	14	\$10.13
580 Christie St	2	Flo	SmartTWO	15/12/2022	1159	\$5,377.00	43%	25580	356	8.51	\$9.25
705 Shaw St	2	Flo	SmartTWO	15/12/2022	1016	\$4,916.00	40%	22510	361	9.07	\$9.57
543 Strathmore Blvd	2	Flo	SmartTWO	15/12/2022	1010	\$5,525.00	47%	26840	236	10.77	\$10.94
31 Roseheath Ave	2	Flo	SmartTWO	15/12/2022	1001	\$5,066.00	52%	26000	94	12	\$10.11
64 Annette St	2	Flo	SmartTWO	15/12/2022	985	\$4,817.00	51%	29220	286	12.1	\$9.82
216 Oakcrest Ave	2	Flo	SmartTWO	22/08/2020	890	\$4,394.00	51%	30130	199	13	\$9.95
1856 Queen St E.	2	Flo	SmartTWO	15/12/2022	802	\$2,844.00	22%	13120	302	6	\$7.09



Appendix B - On-Street Details by Location

Address	# of Ports	Make	Model	Activation Date	Total transactions	Total Revenue (\$)	Utilization %	Total Energy Consumption (kWh)	# of Unique Users	Average Charger Duration (hrs)	Average Session Revenue (\$)
188 Carlton St	1	Flo	SmartTWO	15/12/2022	769	\$3,381.00	30%	18350	237	4	\$4.40
186 Carlton St	1	Flo	SmartTWO	15/12/2022	765	\$3,669.00	36%	22580	179	5	\$4.80
132 Chatham Ave	2	Flo	SmartTWO	15/12/2022	584	\$2,690.00	29%	16880	137	11	\$9.19
1760 Queen St E.	2	Flo	SmartTWO	15/12/2022	545	\$2,426.00	22%	11910	254	9	\$8.76
503 Jones Ave	2	Flo	SmartTWO	15/12/2022	518	\$2,271.00	28%	14990	145	12	\$8.90
29 Bowmore Rd	1	Flo	SmartTWO	22/09/2020	489	\$2,510.00	23%	12870	177	5	\$5.13
453 Jones Ave	2	Flo	SmartTWO	15/12/2022	477	\$2,350.00	24%	10960	145	12	\$9.95
41 Inglewood Dr	2	Flo	SmartTWO	15/12/2022	438	\$2,552.00	18%	11450	139	9	\$11.73
430 Roncesvalles Ave	2	Flo	SmartTWO	26/03/2024	88	\$480.00	4%	2054.46	42	10	\$10.93
1313 Gerrard ST E	2	Flo	SmartTWO	26/03/2024	75	\$578.00	4%	2290	41	13	\$15.07
963 Gerrard St E	2	Flo	SmartTWO	26/03/2024	67	\$244.00	2%	570.1	37	5.05	\$7.23
2251 Dundas St W	2	Flo	SmartTWO	26/03/2024	63	\$281.00	3%	1637.91	31	9	\$8.77
912 Kingston Rd	2	Flo	SmartTWO	26/03/2024	40	\$152.00	1%	500.33	33	3.63	\$7.05
273 Christie St	2	Flo	SmartTWO	26/03/2024	36	\$180.00	1%	710.2	22	8	\$9.96
625 The Queensway	2	Flo	SmartTWO	26/03/2024	25	\$151.00	1%	570.71	14	6.33	\$39.56
2219 Gerrard St. E	2	Flo	SmartTWO	26/03/2024	24	\$100.00	1%	397.58	15	7	\$8.42
1224 King St W.	2	Flo	SmartTWO	26/03/2024	16	\$73.00	1%	325.31	14	7	\$9.09
2231 Gerrard St. E	1	Flo	SmartTWO	26/03/2024	16	\$72.00	1%	254.92	5	3	\$4.52
320 Driftwood Ave	2	Flo	SmartTWO	26/03/2024	16	\$90.00	1%	506.21	7	13	\$13.17



Appendix B - On-Street Details by Location

Address	# of Ports	Make	Model	Activation Date	Total transactions	Total Revenue (\$)	Utilization %	Total Energy Consumption (kWh)	# of Unique Users	Average Charger Duration (hrs)	Average Session Revenue (\$)
8 Kings Lynn Rd	1	Flo	SmartTWO	26/03/2024	15	\$74.00	1%	463.94	10	5.65	\$4.90
1981 Queen St. E	1	Flo	SmartTWO	26/03/2024	14	\$57.00	1%	248.4	10	3	\$4.07
19 Glendora Ave	2	Flo	SmartTWO	10/05/2024	0	0	0%	0	0	0	0
1834 Queen St E	2	Flo	SmartTWO	10/05/2024	0	0	0%	0	0	0	0
2150 Queen St. E	2	Flo	SmartTWO	10/05/2024	0	0	0%	0	0	0	0
1812 Weston Rd	1	Flo	SmartTWO	10/05/2024	0	0	0%	0	0	0	0
2000 Weston Rd	1	Flo	SmartTWO	10/05/2024	0	0	0%	0	0	0	0
1051 Queen St. W	2	Flo	SmartTWO	10/05/2024	0	0	0%	0	0	0	0
1582 Queen St. E	2	Flo	SmartTWO	10/05/2024	0	0	0%	0	0	0	0
1715 Dundas St E.	2	Flo	SmartTWO	10/05/2024	0	0	0%	0	0	0	0
19 Glendora Ave	2	Flo	SmartTWO	10/05/2024	0	0	0%	0	0	0	0
220 Carlaw Ave	2	Flo	SmartTWO	10/05/2024	0	0	0%	0	0	0	0
2285 Dundas St W	2	Flo	SmartTWO	10/05/2024	0	0	0%	0	0	0	0
2390 Lake Shore Blvd W	1	Flo	SmartTWO	10/05/2024	0	0	0%	0	0	0	0
283 Ossington Ave	2	Flo	SmartTWO	10/05/2024	0	0	0%	0	0	0	0
33 Elmhurst Ave	2	Flo	SmartTWO	10/5/2024	0	0	0%	0	0	0	0
41 Fulton Ave	2	Flo	SmartTWO	10/05/2024	0	0	0%	0	0	0	0
500 Commissioners St	2	Flo	SmartTWO	22/09/2022	TBD.	TBD.	TBD.	TBD.	TBD.	TBD.	TBD.
Total	97	-	-		\$26,674.00	\$129,384.00	-	\$673,170.80	\$7,477.00	-	-

Comments

- 500 Commissioners St chargers is open to the public, but data is not connected to TPA network due to gateway issue. Resolution is in progress and TPA will be able to see data for these chargers in Q3 2024.
- The charging sites with zero (0) number of transactions represents the newly installed EV charging locations.

Appendix B – High-Volume On-Street Charging Locations

Most Transactions (Jan 1, 2023 – April 30, 2024):

- 248 Shaw Street: 2388 Sessions
- 10 Palmerston Ave: 2167 Sessions
- 91 Elizabeth Street: 2113 Sessions
- 115 High Park Ave: 1545 Sessions
- 43 Alton Ave: 1532 Sessions

Highest Total Revenue (Jan 1, 2023 – April 30, 2024):

- 10 Palmerston Ave: \$11,884
- 248 Shaw Street: \$11,513
- 91 Elizabeth Street: \$9,225
- 43 Alton Ave: \$7,986
- 115 High Park Ave: \$7,074

Highest Utilization (Jan 1, 2023 – April 30, 2024):

- 10 Palmerston Ave: 106%*
- 248 Shaw Street: 96%
- 43 Alton Ave: 74%
- 115 High Park Ave: 70%
- 91 Elizabeth Street: 65%

*EV users charging beyond enforced parking timeslots

Why?

- **L2 Chargers:** Strategically placed on local or collector roads, within close proximity to major or minor arterial roads, ensuring optimal accessibility.
- **Mixed-Use Areas:** Located in areas combining residential and commercial retail spaces to support top-up charging during the day and base-charging overnight.
- **115 High Park:** Conveniently situated near several high-rise condominiums and the local park, offering accessible charging options for residents.
- **91 Elizabeth Street:** Positioned at a paid parking location adjacent to local hospitals and large commercial retail centers, catering to the top-up charging needs of visitors and commuters.
- **High Turnover:** These strategic locations experience high turnover rates, facilitating more frequent charging sessions.
- **Revenue Potential:** The higher number of charging sessions contributes to increased revenue potential



Appendix B – Low Volume On-Street Charging Locations

Lowest Transaction Count (Jan 1, 2023 – April 30, 2024):

- 1224 King St W: 16 sessions
- 2231 Gerrard St. E: 16 sessions
- 320 Driftwood Ave: 16 sessions
- 8 Kings Lynn Rd: 15 sessions
- 1981 Queen St. E: 14 sessions

Lowest Total Revenue (Jan 1, 2023 – April 30, 2024):

- 320 Driftwood Ave: \$90
- 8 Kings Lynn Rd: \$74
- 1224 King St W: \$73
- 2231 Gerrard St. E: \$72
- 1981 Queen St. E: \$57

Lowest Utilization (Jan 1, 2023 – April 30, 2024):

- 1224 King St W: 1% *
- 2231 Gerrard St. E: 1% *
- 320 Driftwood Ave: 1% *
- 8 Kings Lynn Rd: 1% *
- 1981 Queen St. E: 1% *

*Installation date March 26, 2024

Why?

- **Residential Street Chargers:** Positioned in residential neighborhoods to cater specifically to local residents.
- **Daytime Usage:** Experience minimal to no usage during daytime hours.
- **Overnight Demand:** High usage rates observed overnight as residents charge their vehicles.
- **Proximity to Amenities:** No nearby businesses or attractions, resulting in fewer opportunistic charging sessions.
- **Turnover Rate:** Low turnover due to extended parking durations typical in residential zones.
- **Residential Benefits:** Residents benefit from the lower overnight charging rates available in these areas.
- **Revenue Impact:** Fewer charging sessions overall, leading to lower revenue compared to high-turnover locations



Appendix B - On-Street Details by Port

Address	Type of EV Charger	# of Ports	Make	Model	Charger ID/Serial Number	Total transactions	Total Revenue (\$)	Utilization %	Total Energy Consumption (kWh)	# of Unique Users	Average Charger Duration (hrs)	Average Session Revenue (\$)
248 Shaw St	L2	1	Flo	SmartTWO	AAI-10207	1238	\$6,028.00	51%	30,890.00	346	4.79	\$4.87
91 Elizabeth St	L2	1	Flo	SmartTWO	AAA-11130	1168	\$5,244.00	38%	21,610.00	397	3.78	\$4.49
10 Palmerston Ave	L2	1	Flo	SmartTWO	AAI-10200	1157	\$6,472.00	56%	34,100.00	309	5.69	\$5.59
248 Shaw St	L2	1	Flo	SmartTWO	AAI-10209	1150	\$5,485.00	45%	27,280.00	310	4.55	\$4.77
10 Palmerston Ave	L2	1	Flo	SmartTWO	AAI-10204	1010	\$5,412.00	50%	29,100.00	328	5.77	\$5.36
91 Elizabeth St	L2	1	Flo	SmartTWO	AAA-11126	945	\$3,981.00	27%	14,770.00	378	3.32	\$4.21
115 High Park Ave	L2	1	Flo	SmartTWO	AAI-10242	871	\$4,071.00	40%	24,500.00	173	5.42	\$4.67
43 Alton Ave	L2	1	Flo	SmartTWO	AAI-10210	780	\$4,129.00	40%	20,060.00	176	5.97	\$5.29
188 Carlton St	L2	1	Flo	SmartTWO	AAI-10235	769	\$3,381.00	30%	18,350.00	237	4.24	\$4.40
186 Carlton St	L2	1	Flo	SmartTWO	AAI-10234	765	\$3,669.00	36%	22,580.00	179	5.07	\$4.80
43 Alton Ave	L2	1	Flo	SmartTWO	AAI-10203	752	\$3,857.00	34%	15,810.00	167	5.34	\$5.13
124 Mountjoy Ave	L2	1	Flo	SmartTWO	AAI-10201	688	\$3,437.00	29%	18,120.00	146	4.86	\$5.00
535 Runnymede Rd	L2	1	Flo	SmartTWO	AAI-10224	679	\$3,164.00	37%	18,250.00	104	6.31	\$4.66
115 High Park Ave	L2	1	Flo	SmartTWO	AAI-10241	674	\$3,003.00	30%	17,580.00	185	5.14	\$4.45



Appendix B - On-Street Details by Port

Address	Type of EV Charger	# of Ports	Make	Model	Charger ID/Serial Number	Total transactions	Total Revenue (\$)	Utilization %	Total Energy Consumption (kWh)	# of Unique Users	Average Charger Duration (hrs)	Average Session Revenue (\$)
685 Dovercourt Rd	L2	1	Flo	SmartTWO	AAI-10247	667	\$3,192.00	29%	17,690.00	185	4.65	\$4.79
258 Riverdale Ave	L2	1	Flo	SmartTWO	AAI-10244	661	\$3,552.00	29%	17,410.00	149	5.17	\$5.37
580 Christie St	L2	1	Flo	SmartTWO	AAI-10251	642	\$3,060.00	25%	15,620.00	190	4.55	\$4.77
705 Shaw St	L2	1	Flo	SmartTWO	AAI-10230	630	\$3,157.00	25%	14,310.00	201	4.7	\$5.01
685 Dovercourt Rd	L2	1	Flo	SmartTWO	AAI-10248	616	\$2,705.00	25%	14,290.00	180	4.27	\$4.39
258 Riverdale Ave	L2	1	Flo	SmartTWO	AAI-10243	592	\$3,083.00	26%	15,970.00	134	5.22	\$5.21
64 Annette St	L2	1	Flo	SmartTWO	AAI-10226	571	\$2,744.00	29%	16,140.00	151	5.98	\$4.81
31 Roseheath Ave	L2	1	Flo	SmartTWO	AAI-10249	561	\$2,851.00	30%	14,590.00	45	6.24	\$5.08
124 Mountjoy Ave	L2	1	Flo	SmartTWO	AAI-10206	550	\$2,381.00	24%	13,010.00	127	5.06	\$4.33
543 Strathmore Blvd	L2	1	Flo	SmartTWO	AAI-10255	529	\$2,911.00	25%	15,450.00	115	5.51	\$5.50
580 Christie St	L2	1	Flo	SmartTWO	AAI-10252	517	\$2,317.00	18%	9,960.00	166	3.96	\$4.48
216 Oakcrest Ave	L2	1	Flo	SmartTWO	AAI-10208	500	\$2,348.00	30%	17,840.00	91	6.99	\$4.70
535 Runnymede Rd	L2	1	Flo	SmartTWO	AAI-10225	499	\$2,728.00	32%	18,320.00	129	7.56	\$5.47
29 Bowmore Rd	L2	1	Flo	SmartTWO	AAI-10202	489	\$2,510.00	23%	12,870.00	177	5.48	\$5.13
543 Strathmore Blvd	L2	1	Flo	SmartTWO	AAI-10256	481	\$2,614.00	22%	11,390.00	121	5.26	\$5.44



Appendix B - On-Street Details by Port

Address	Type of EV Charger	# of Ports	Make	Model	Charger ID/Serial Number	Total transactions	Total Revenue (\$)	Utilization %	Total Energy Consumption (kWh)	# of Unique Users	Average Charger Duration (hrs)	Average Session Revenue (\$)
31 Roseheath Ave	L2	1	Flo	SmartTWO	AAI-10250	440	\$2,215.00	22%	11,410.00	49	5.95	\$5.03
64 Annette St	L2	1	Flo	SmartTWO	AAI-10227	414	\$2,073.00	22%	13,080.00	135	6.12	\$5.01
1856 Queen St E.	L2	1	Flo	SmartTWO	AAI-10253	407	\$1,425.00	10%	4,960.00	141	2.75	\$3.50
1856 Queen St E.	L2	1	Flo	SmartTWO	AAI-10254	395	\$1,419.00	13%	8,160.00	161	3.7	\$3.59
216 Oakcrest Ave	L2	1	Flo	SmartTWO	AAI-10205	390	\$2,046.00	21%	12,290.00	108	6.22	\$5.25
705 Shaw St	L2	1	Flo	SmartTWO	AAI-10229	386	\$1,759.00	14%	8,200.00	160	4.37	\$4.56
503 Jones Ave	L2	1	Flo	SmartTWO	AAI-10239	348	\$1,485.00	20%	10,560.00	79	6.75	\$4.27
1760 Queen St E.	L2	1	Flo	SmartTWO	AAI-10258	331	\$1,560.00	14%	7,840.00	140	4.46	\$4.71
132 Chatham Ave	L2	1	Flo	SmartTWO	AAI-10236	308	\$1,479.00	17%	10,230.00	69	6.45	\$4.80
132 Chatham Ave	L2	1	Flo	SmartTWO	AAI-10237	276	\$1,211.00	12%	6,650.00	68	5.01	\$4.39
41 Inglewood Dr	L2	1	Flo	SmartTWO	AAI-10232	252	\$1,415.00	10%	6,340.00	69	4.74	\$5.61
453 Jones Ave	L2	1	Flo	SmartTWO	AAI-10245	250	\$1,009.00	12%	4,340.00	59	5.58	\$4.04
453 Jones Ave	L2	1	Flo	SmartTWO	AAI-10246	227	\$1,341.00	12%	6,620.00	86	6.28	\$5.91
1760 Queen St E.	L2	1	Flo	SmartTWO	AAI-10257	214	\$866.00	8%	4,070.00	114	4.11	\$4.05
41 Inglewood Dr	L2	1	Flo	SmartTWO	AAI-10231	186	\$1,137.00	8%	5,110.00	70	4.71	\$6.12



Appendix B - On-Street Details by Port

Address	Type of EV Charger	# of Ports	Make	Model	Charger ID/Serial Number	Total transactions	Total Revenue (\$)	Utilization %	Total Energy Consumption (kWh)	# of Unique Users	Average Charger Duration (hrs)	Average Session Revenue (\$)
503 Jones Ave	L2	1	Flo	SmartTWO	AAI-10240	170	\$786.00	8%	4,430.00	66	5.62	\$4.63
430 Roncesvalles Ave	L2	1	Flo	SmartTWO	AAI-10263	44	\$241.00	2%	844.46	24	4.15	\$5.49
430 Roncesvalles Ave	L2	1	Flo	SmartTWO	AAI-10290	44	\$239.00	2%	1,210.00	18	5.92	\$5.44
1313 Gerrard ST E	L2	1	Flo	SmartTWO	AAI-10266	42	\$376.00	3%	1,290.00	21	6.98	\$8.96
2251 Dundas St W	L2	1	Flo	SmartTWO	AAI-10293	38	\$181.00	2%	1,030.00	16	4.48	\$4.77
963 Gerrard St E	L2	1	Flo	SmartTWO	AAI-10317	34	\$150.00	1%	331.77	23	3.55	\$4.40
963 Gerrard St E	L2	1	Flo	SmartTWO	AAI-10309	33	\$94.00	0%	238.33	14	1.5	\$2.83
1313 Gerrard ST E	L2	1	Flo	SmartTWO	AAI-10288	33	\$202.00	2%	1,000.00	20	5.64	\$6.11
912 Kingston Rd	L2	1	Flo	SmartTWO	AAI-10301	28	\$117.00	1%	382.32	21	2.08	\$4.16
273 Christie St	L2	1	Flo	SmartTWO	AAI-10292	28	\$140.00	1%	519.86	15	3.62	\$5.01
2251 Dundas St W	L2	1	Flo	SmartTWO	AAI-10270	25	\$100.00	1%	607.91	15	4.16	\$4.00
625 The Queensway	L2	1	Flo	SmartTWO	AAI-10302	18	\$118.00	1%	472.74	7	4.17	\$6.56
2231 Gerrard St. E	L2	1	Flo	SmartTWO	AAI-10279	16	\$72.00	0%	254.92	5	2.79	\$4.52
2219 Gerrard St. E	L2	1	Flo	SmartTWO	AAI-10269	16	\$65.00	0%	256.30	10	2.74	\$4.08
8 Kings Lynn Rd	L2	1	Flo	SmartTWO	AAI-10313	15	\$74.00	1%	463.94	10	5.65	\$4.90
1981 Queen St. E	L2	1	Flo	SmartTWO	AAI-10304	14	\$57.00	0%	248.40	10	2.95	\$4.07



Appendix B - On-Street Details by Port

Address	Type of EV Charger	# of Ports	Make	Model	Charger ID/Serial Number	Total transactions	Total Revenue (\$)	Utilization %	Total Energy Consumption (kWh)	# of Unique Users	Average Charger Duration (hrs)	Average Session Revenue (\$)
320 Driftwood Ave	L2	1	Flo	SmartTWO	AAI-10295	13	\$66.00	1%	393.36	4	6.21	\$5.10
912 Kingston Rd	L2	1	Flo	SmartTWO	AAI-10281	12	\$35.00	0%	118.01	12	1.55	\$2.89
1224 King St W.	L2	1	Flo	SmartTWO	AAI-10274	9	\$40.00	0%	174.27	9	3.15	\$4.39
273 Christie St	L2	1	Flo	SmartTWO	AAI-10264	8	\$40.00	0%	190.34	7	4.24	\$4.95
2219 Gerrard St. E	L2	1	Flo	SmartTWO	AAI-10284	8	\$35.00	0%	141.28	5	3.98	\$4.34
19 Glendora Ave	L2	1	Flo	SmartTWO	AAI-10316	8	\$58.00	0%	193.75	3	5.14	\$7.21
625 The Queensway		1	Flo	SmartTWO	AAI-10308	7	\$33.00	0%	97.97	7	2.16	\$33.00
1224 King St W.	L2	1	Flo	SmartTWO	AAI-10306	7	\$33.00	0%	151.04	5	3.93	\$4.70
320 Driftwood Ave	L2	1	Flo	SmartTWO	AAI-10282	3	\$24.00	0%	112.85	3	7.08	\$8.07
1834 Queen St E	L2	1	Flo	SmartTWO	AAI-10294	0	0	0	0%	0	0	0
2150 Queen St. E	L2	1	Flo	SmartTWO	AAI-10268	0	0	0	0%	0	0	0
19 Glendora Ave	L2	1	Flo	SmartTWO	AAI-10286	0	0	0	0%	0	0	0
2150 Queen St. E	L2	1	Flo	SmartTWO	AAI-10318	0	0	0	0%	0	0	0
1834 Queen St E	L2	1	Flo	SmartTWO	AAI-10285	0	0	0	0%	0	0	0
1812 Weston Rd	L2	1	Flo	SmartTWO	AAI-10283	0	0	0		0	0	0



Appendix B - On-Street Details by Port

Address	Type of EV Charger	# of Ports	Make	Model	Charger ID/Serial Number	Total transactions	Total Revenue (\$)	Utilization %	Total Energy Consumption (kWh)	# of Unique Users	Average Charger Duration (hrs)	Average Session Revenue (\$)
2000 Weston Rd	L2	1	Flo	SmartTWO	AAI-10299	0	0	0%	0	0	0	0
41 Fulton Ave	L2	1	Flo	SmartTWO	AAI-10267	0	0	0%	0	0	0	0
41 Fulton Ave	L2	1	Flo	SmartTWO	AAI-10300	0	0	0%	0	0	0	0
33 Elmhurst Ave	L2	1	Flo	SmartTWO	AAI-10310	0	0	0%	0	0	0	0
33 Elmhurst Ave	L2	1	Flo	SmartTWO	AAI-10312	0	0	0%	0	0	0	0
283 Ossington Ave	L2	1	Flo	SmartTWO	AAI-10287	0	0	0%	0	0	0	0
283 Ossington Ave	L2	1	Flo	SmartTWO	AAI-10297	0	0	0%	0	0	0	0
2390 Lake Shore Blvd W	L2	1	Flo	SmartTWO	AAI-10276	0	0	0%	0	0	0	0
2285 Dundas St W	L2	1	Flo	SmartTWO	AAI-10289	0	0	0%	0	0	0	0
2285 Dundas St W	L2	1	Flo	SmartTWO	AAI-10305	0	0	0%	0	0	0	0
220 Carlaw Ave	L2	1	Flo	SmartTWO	AAI-10275	0	0	0%	0	0	0	0
220 Carlaw Ave	L2	1	Flo	SmartTWO	AAI-10291	0	0	0%	0	0	0	0
19 Glendora Ave	L2	1	Flo	SmartTWO	AAI-10272	0	0	0%	0	0	0	0
19 Glendora Ave	L2	1	Flo	SmartTWO	AAI-10277	0	0	0%	0	0	0	0



Appendix B - On-Street Details by Port

Address	Type of EV Charger	# of Ports	Make	Model	Charger ID/Serial Number	Total transactions	Total Revenue (\$)	Utilization %	Total Energy Consumption (kWh)	# of Unique Users	Average Charger Duration (hrs)	Average Session Revenue (\$)
1715 Dundas St. E.	L2	1	Flo	SmartTWO	AAI-10303	0	\$ -	0	-	0	0	\$ -
1715 Dundas St. E.	L2	1	Flo	SmartTWO	AAI-10311	0	\$ -	0	-	0	0	\$ -
1582 Queen St. E.	L2	1	Flo	SmartTWO	AAI-10265	0	\$ -	0	-	0	0	\$ -
1582 Queen St. E.	L2	1	Flo	SmartTWO	AAI-10315	0	\$ -	0	-	0	0	\$ -
1051 Queen St. W.	L2	1	Flo	SmartTWO	AAI-10271	0	\$ -	0	-	0	0	\$ -
1051 Queen St. W.	L2	1	Flo	SmartTWO	AAI-10296	0	\$ -	0	-	0	0	\$ -
500 Commissioners St.	L2	1	Flo	SmartTWO	AAA-10390	TBD.	TBD.	TBD.	TBD.	TBD.	TBD.	TBD.
500 Commissioners St.	L2	1	Flo	SmartTWO	AAA-10396	TBD.	TBD.	TBD.	TBD.	TBD.	TBD.	TBD.
Total	-	95	-	-	-	\$ 26,674.00	\$ 129,384.00	-	673,170.80	7,477	-	\$ 5.15

Comments

- The charging sites with zero (0) number of transactions represents the newly installed EV charging locations.



Appendix C: Reference Sources



Appendix C – Reference Sources

Works Cited

1. Aecom. (2024). *City of Toronto AECOM Report*. Toronto: Aecom.
2. Bulis, C. (2021, May 4). *Reliability blog series #3: calculating standardized charger uptime*. Retrieved from flo: <https://www.flo.com/en-ca/insights/reliability-blog-series-3-calculating-standardized-charger-uptime/>
3. ChargeHub. (2024, June 8). *Beginner's Guide to Electric Cars*. Retrieved from ChargeHub: <https://chargehub.com/en/home-charging-guide-electric-vehicles.html>
4. Jarratt, E., & Mehanaz, Y. (2024, Mar 7). *2024 EV Charging Networks Report*. Retrieved from Electric Autonomy: <https://electricautonomy.ca/news/2024-03-07/2024-canada-ev-charging-networks-report/>
5. KPMG. (2022, June 20). *The road to adoption: building EV infrastructure and smart grids*. Retrieved from KPMG: <https://kpmg.com/ca/en/home/insights/2022/06/the-road-to-adoption-building-ev-infrastructure.html>
6. Mason, R. (2024, May 15). *BC Hydro is powering its newest public EV charging stations with...propane*. Retrieved from Just and Reasonable: <https://justandreasonable.com/?p=1573>
7. Razavi, K. (2024, Feb 14). *Fact vs. Fiction; What you need to know about EVs in Canada*. Retrieved from Global New: <https://globalnews.ca/news/10291682/facts-vs-fiction-electric-vehicles-in-canada/>
8. S&P Global Mobility. (2024). Retrieved from S&P Global Mobility: <https://www.spglobal.com/mobility/en/index.html>
9. Shingler, B. (2023, Sep 30). *Canada is pouring billions of dollars into the electric vehicle industry. Will it pay off?* Retrieved from CBC: <https://www.cbc.ca/news/climate/canada-quebec-ev-battery-1.6982613>
10. Stable. (2024, Mar). *EV Charging Utilization Trends*. Retrieved from Stable: <https://stable.auto/insights/electric-vehicle-charger-utilization-by-month>
11. Transportation, M. o. (2024, 06 08). *Electric Vehicles in Ontario – By Forward Sortation Area*. Retrieved from Data Catalogue: <https://data.ontario.ca/dataset/electric-vehicles-in-ontario-by-forward-sortation-area>

