

STATE OF NEW YORK

7842

2019-2020 Regular Sessions

IN ASSEMBLY

May 24, 2019

Introduced by M. of A. CARROLL -- read once and referred to the Committee on Corporations, Authorities and Commissions

AN ACT to amend the public authorities law, in relation to enacting the metropolitan transportation authority open data act

The People of the State of New York, represented in Senate and Assembly, do enact as follows:

1 Section 1. This act shall be known and may be cited as the "metropolitan transportation authority open data act".

2
3 § 2. Legislative findings. The legislature finds that the release of
4 data, in a format that is easily accessible, understandable and usable
5 by the public, can increase civic engagement with government. In addition,
6 in an authority providing a public service and operating an enterprise as
7 vast as that of the Metropolitan Transportation Authority, transparency in
8 data is in the public's best interest. It is the intent of the legislature
9 that the authority and its subsidiaries release as much data as is feasible
10 in open formats, so that the public can access that data, analyze it, and
11 engage with the authority with suggestions and solutions to improve its
12 operations.

13 § 3. The public authorities law is amended by adding a new section
14 1279-j to read as follows:

15 § 1279-j. Open data reporting. 1. The metropolitan transportation
16 authority and its subsidiaries and affiliates, including the New York
17 city transit authority and the Triborough bridge and tunnel authority,
18 shall fully comply with the provisions of Executive Order 95 of 2013,
19 "Using Technology to Promote Transparency, Improve Government Performance
20 and Enhance Citizen Engagement," and shall provide the New York
21 state office of information technology services and legislature all data
22 as defined in this section.

23 2. For the purposes of this section, the following terms shall have
24 the following meanings:

EXPLANATION--Matter in italics (underscored) is new; matter in brackets [-] is old law to be omitted.

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1 (a) "open data website" shall mean the website data.ny.gov or such
2 other successor website maintained by, or on behalf of, the state, as
3 deemed appropriate by the New York state office of information technolo-
4 gy services under Executive Order 95 of 2013, or any successor agency or
5 order;

6 (b) "data" shall mean final versions of statistical or factual infor-
7 mation that (i) are in alphanumeric form reflected in a list, table,
8 graph, chart or other non-narrative form, that can be digitally trans-
9 mitted or processed; (ii) are regularly created or maintained by or on
10 behalf of the metropolitan transportation authority, its subsidiaries
11 and affiliates and are controlled by such entities; and (iii) record a
12 measurement, transaction or determination related to the mission of the
13 metropolitan transportation authority, its subsidiaries and affiliates.
14 The term "data" shall not include image files, such as designs, draw-
15 ings, photos or scanned copies of original documents; provided, however,
16 that the term "data" shall include statistical or factual information
17 about image files and geographic information system data;

18 (c) "data set" shall mean a named collection of related records main-
19 tained on a storage device, with the collection containing data organ-
20 ized or formatted in a specific or prescribed way, often in tabular
21 form; and

22 (d) "publishable MTA data" shall mean data that is collected by the
23 metropolitan transportation authority, its subsidiaries and affiliates
24 where the authority, subsidiary or affiliate is permitted, required or
25 able to make the data available to the public, consistent with any and
26 all applicable laws, rules, regulations, ordinances, resolutions, poli-
27 cies or other restrictions, requirements or rights associated with the
28 publishable MTA data, including but not limited to contractual or other
29 legal orders, restrictions or requirements. Data shall not be publisha-
30 ble MTA data if making such data available on the open data website
31 would violate statute or regulation, including, but not limited to,
32 disclosures that would constitute an unwarranted invasion of personal
33 privacy, endanger the public health, safety or welfare, hinder the oper-
34 ation of government, including criminal and civil investigations, or
35 impose an undue financial, operational or administrative burden on the
36 authority or its subsidiaries or affiliates.

37 3. As required by Executive Order 95 of 2013, the metropolitan trans-
38 portation authority shall designate a data coordinator, who shall:

39 (a) have authority equivalent to that of a deputy commissioner or the
40 head of a division or department;

41 (b) have knowledge of data and resources in use by the entity; and

42 (c) be responsible for the compliance of the authority, its subsid-
43 aries and affiliates with the order.

44 4. The authority and its subsidiaries and affiliates shall make their
45 publishable MTA data available on its website and the open data website
46 as follows:

47 (a) The authority shall create a catalogue of publishable MTA data
48 within one hundred eighty days of the effective date of this section;

49 (b) The metropolitan transportation authority shall within one hundred
50 eighty days of the effective date of this section, submit to the legis-
51 lature and publish on its shared internet website a schedule for making
52 its publishable MTA data publicly available. Such schedule shall provide
53 for updating the data catalogue as appropriate; and

54 (c) The metropolitan transportation authority shall create schedules
55 for publishing all publishable MTA data within three years of the effec-
56 tive date of this section.

1 5. The metropolitan transportation authority, its subsidiaries and
2 affiliates shall not be prevented from publishing data in advance of the
3 dates set in their schedules.

4 § 4. Paragraph (b) of subdivision 4 of section 1263 of the public
5 authorities law, as amended by chapter 425 of the laws of 2018, is
6 amended to read as follows:

7 (b) The chairman shall establish committees to assist him in the
8 performance of his duties and shall appoint members of the authority to
9 such committees. Among such committees, there shall be a committee on
10 operations of the New York city transit authority, the Manhattan and
11 Bronx surface transit operating authority and the Staten Island rapid
12 transit operating authority; a committee on operations of the Long
13 Island Rail Road and the metropolitan suburban bus authority; a commit-
14 tee on operations of the Metro-North commuter railroad; a committee on
15 operations of the Triborough bridge and tunnel authority; a committee on
16 finance; a committee on capital program oversight; a committee on tech-
17 nology and open data; and a committee on safety. In addition to such
18 appointed members, each of the non-voting members referred to in subpar-
19 agraph two of paragraph (a) of subdivision one of this section shall
20 serve on the committee on capital program oversight, the committee on
21 finance, the committee on safety, the committee on operations of the
22 Triborough bridge and tunnel authority, and the operations committee
23 relevant to the commuter council that recommended such member. The
24 alternate non-voting members shall each serve on the respective oper-
25 ations committee relevant to the commuter council that recommended each
26 member. The committee on capital program oversight and the committee on
27 safety shall include not less than three members, and shall include the
28 chairpersons of the committee on operations of the New York city transit
29 authority, the Manhattan and Bronx surface transit operating authority
30 and the Staten Island rapid transit operating authority, the committee
31 on operations of the Long Island Rail Road and the metropolitan suburban
32 bus authority, and the committee on operations of the Metro-North commu-
33 ner railroad. The committee on safety shall convene at least once annu-
34 ally and each committee chairperson, that is a member of the committee
35 on safety, shall report to the committee on safety any and all initi-
36 atives, concerns, improvements, or failures involving the safety of: (1)
37 customers; (2) employees; and (3) the public at large, in relation to
38 authority facilities and services. The capital program committee shall,
39 with respect to any approved or proposed capital program plans, (i)
40 monitor the current and future availability of funds to be utilized for
41 such plans approved or proposed to be submitted to the metropolitan
42 transportation capital program review board as provided in section
43 twelve hundred sixty-nine-b of this title; (ii) monitor the contract
44 awards of the metropolitan transportation authority and the New York
45 city transit authority to insure that such awards are consistent with
46 (A) provisions of law authorizing United States content and New York
47 state content; (B) collective bargaining agreements; (C) provisions of
48 law providing for participation by minority and women-owned businesses;
49 (D) New York state labor laws; (E) competitive bidding requirements
50 including those regarding sole source contracts; and (F) any other rele-
51 vant requirements established by law; (iii) monitor the award of
52 contracts to determine if such awards are consistent with the manner in
53 which the work was traditionally performed in the past provided, howev-
54 er, that any such determination shall not be admissible as evidence in
55 any arbitration or judicial proceeding; (iv) review the relationship
56 between capital expenditures pursuant to each such capital program plan

1 and current and future operating budget requirements; (v) monitor the
2 progress of capital elements described in each capital program plan
3 approved as provided in section twelve hundred sixty-nine-b of this
4 title; (vi) monitor the expenditures incurred and to be incurred for
5 each such element; and (vii) identify capital elements not progressing
6 on schedule, ascertain responsibility therefor and recommend those
7 actions required or appropriate to accelerate their implementation. The
8 capital program committee shall issue a quarterly report on its activ-
9 ities and findings, and shall in connection with the preparation of such
10 quarterly report, consult with the state division of the budget, the
11 state department of transportation, the members of the metropolitan
12 transportation authority capital program review board and any other
13 group the committee deems relevant, including public employee organiza-
14 tions, and, at least annually, with a nationally recognized independent
15 transit engineering firm. Such report shall be made available to the
16 members of the authority, to the members of the metropolitan transporta-
17 tion authority capital program review board, and the directors of the
18 municipal assistance corporation for the city of New York.

19 § 5. The public authorities law is amended by adding a new section
20 1269-h to read as follows:

21 § 1269-h. Ridership reports. 1. Definitions. For the purposes of this
22 section, the following terms shall have the following meanings:

23 (a) "type of fare media used" shall refer to the type of ticket used
24 to purchase the authority's railroad, bus and subway services, includ-
25 ing, but not limited to:

26 (i) single-ride tickets;

27 (ii) unlimited-usage weekly tickets;

28 (iii) unlimited-usage monthly tickets;

29 (iv) tickets purchased via the authority's shared internet website,
30 mail and ride programs or mobile phone applications;

31 (v) student tickets;

32 (vi) tickets for senior citizens or people with disabilities; and

33 (vii) all other kinds of fare media used by the authority on its
34 services;

35 (b) "fare data" shall refer to ridership data recorded by MetroCards,
36 OMNY, railroad tickets, or any other fare media used by the authority on
37 its subway, bus and railroad services;

38 (c) "origin and destination data" shall refer to the amount of round
39 trips taken between any two railroad, bus and/or subway stations within
40 a given timeframe, as measured by fare data; and

41 (d) "joint ticket" shall refer to a single ticket or fare medium
42 allowing a passenger to ride on both a railroad and subway and/or bus
43 service operated by the authority in a single trip.

44 2. No later than eighteen months after the effective date of this
45 section, the authority shall take all practicable measures to collect,
46 compile and publish four ridership reports for its services. One rider-
47 ship report shall be for the stations of the New York city subway, one
48 shall be for the bus lines operated by the authority, one shall be for
49 the stations of the Long Island rail road and one shall be for the
50 stations of the Metro-North commuter railroad. Such ridership reports
51 shall be updated on a weekly basis, except for the report on buses,
52 which shall be updated on a monthly basis.

53 3. The ridership report for the New York city subway shall include,
54 but not be limited to:

1 (a) ridership per subway station, which must be sortable by rank,
2 year, month, week, date, hour, type of fare media used, and direction,
3 for stations with separate entrances for each direction;

4 (b) a listing of the amount of people boarding at each subway station
5 after transferring from a bus line, which must be sortable by bus route,
6 borough, rank, year, month, week, date and hour, direction, and type of
7 fare media used;

8 (c) a listing of the amount of people boarding at each subway station
9 after transferring from a different subway station, which must be sorta-
10 ble by borough, rank, year, month, week, date and hour, direction, and
11 type of fare media used;

12 (d) a listing of the amount of people boarding at each subway station
13 after transferring from a Long Island rail road or Metro-North commuter
14 railroad train, sortable by rank, year, month, week, date, hour, and
15 type of fare media used;

16 (e) origin and destination data between all pairs of subway stations,
17 sorted by rank, year, month, week, date and hour;

18 (f) origin and destination data between each subway station and Long
19 Island rail road and Metro-North stations where riders utilize joint
20 tickets, sortable by railroad branch, borough, rank, year, month, week,
21 date, hour, direction, and type of fare media used; and

22 (g) origin and destination data between each subway station and each
23 bus stop on select bus services and other bus routes for which the
24 authority collects ridership data on a per-stop basis, which must be
25 sortable by borough, bus route, rank, year, month, week, date and hour,
26 direction, and type of fare media used.

27 4. The ridership report for the bus routes operated by the authority
28 shall include, but not be limited to:

29 (a) a listing of ridership for each bus route, sortable by rank, year,
30 month, week, date and hour;

31 (b) a listing of the five stops with the greatest number of passengers
32 boarding and alighting in each direction for each route, for bus routes
33 for which the authority estimates ridership via observation, which shall
34 be updated on an annual basis;

35 (c) a listing of ridership at each bus stop for all select bus service
36 routes and any other bus routes for which the authority collects fare
37 data on a per-stop basis, sorted by route, rank, direction, year, month,
38 week, date, hour and type of fare media used;

39 (d) a listing of the amount of transfers between bus routes, sortable
40 by borough, direction, rank, year, month, week and hour;

41 (e) a listing of the amount of transfers between each bus route and
42 each subway station, sortable by borough, subway trunk line, rank,
43 subway route, bus route, year, month, week, date, hour, direction, and
44 type of fare media used;

45 (f) a listing of the amount of transfers between each bus route and
46 each Long Island rail road or Metro-North commuter railroad station, for
47 riders using joint tickets, sortable by direction, railroad branch,
48 rank, year, month, week, date, hour, and type of fare media used;

49 (g) origin and destination data between every pair stops for select
50 bus service routes and any other bus routes for which the authority
51 collects fare data on a per-stop basis, sorted by bus route, borough,
52 rank, year, month, week, date, hour, and type of fare media used;

53 (h) origin and destination data between each subway station and each
54 bus stop on select bus services and other bus routes for which the
55 authority collects ridership data on a per-stop basis, which must be

1 sortable by borough, bus route, rank, year, month, week, date and hour,
2 direction, and type of fare media used; and

3 (i) origin and destination data between each railroad station and each
4 bus stop on select bus services and other bus routes for which the
5 authority collects ridership data on a per-stop basis, which must be
6 sortable by borough, bus route, railroad branch, rank, year, month,
7 week, date and hour, direction, and type of fare media used.

8 5. The ridership report for the Long Island rail road shall include,
9 but not be limited to:

10 (a) a listing of ridership at each station, sortable by rank, year,
11 month, week, date, hour, and type of fare media used;

12 (b) a listing of the origin and destination data between stops, sorta-
13 ble by railroad branch, rank, year, month, week, date and hour, and type
14 of fare media used;

15 (c) origin and destination data between each subway station and Long
16 Island rail road stations where riders utilize joint tickets, sortable
17 by railroad branch, borough, rank, year, month, week, date, hour, direc-
18 tion, and type of fare media used;

19 (d) a listing of the amount of people boarding at each subway station
20 after transferring from a Long Island rail road train, sortable by rank,
21 year, month, week, date, hour, and type of fare media used;

22 (e) origin and destination data between each station on select bus
23 service routes and any other routes where the authority collects data on
24 a per-stop basis and Long Island rail road stations where riders utilize
25 joint tickets, sortable by railroad branch, borough, rank, year, month,
26 week, date, hour, direction, and type of fare media used; and

27 (f) a listing of the amount of transfers between each bus route and
28 each Long Island rail road station, for riders using joint tickets,
29 sortable by direction, railroad branch, rank, year, month, week, date,
30 hour, and type of fare media used.

31 6. The ridership report for the Metro-North commuter railroad shall
32 include, but not be limited to:

33 (a) a listing of ridership at each station, sortable by rank, year,
34 month, week, date, hour, and type of fare media used;

35 (b) a listing of the origin and destination data between stops, sorta-
36 ble by railroad branch, rank, year, month, week, date and hour, and type
37 of fare media used;

38 (c) origin and destination data between each subway station and
39 Metro-North commuter railroad stations where riders utilize joint tick-
40 ets, sortable by railroad branch, borough, rank, year, month, week,
41 date, hour, direction, and type of fare media used;

42 (d) a listing of the amount of people boarding at each subway station
43 after transferring from a Long Island rail road train, sortable by rank,
44 year, month, week, date, hour, and type of fare media used;

45 (e) origin and destination data between each station on select bus
46 service routes and any other routes where the authority collects data on
47 a per-stop basis and Metro-North commuter railroad stations where riders
48 utilize joint tickets, sortable by railroad branch, borough, rank, year,
49 month, week, date, hour, direction, and type of fare media used; and

50 (f) a listing of the amount of transfers between each bus route and
51 each Metro-North commuter railroad station, for riders using joint tick-
52 ets, sortable by direction, railroad branch, rank, year, month, week,
53 date, hour, and type of fare media used.

54 7. The authority shall set up its ridership reports so that users can
55 easily access data on individual stations and routes on individual
56 screens on its shared internet website. However, the reports should be

1 set up so that users can easily compare multiple stations and/or routes
2 side-by-side.

3 § 6. Subdivisions 1 and 2 of section 1276-f of the public authorities
4 law, as added by section 2 of subpart D of part ZZZ of chapter 59 of the
5 laws of 2019, are amended to read as follows:

6 1. Definitions. For the purposes of this section, the following terms
7 shall have the following meanings:

8 (a) "additional platform time" means the average added time that
9 customers spend waiting on the platform for a train, compared with their
10 scheduled wait time.

11 (b) "additional [~~train~~] travel time" means the average additional time
12 customers spend onboard the train or bus due to various service issues.

13 (c) "customer journey time performance" means the percentage of
14 customer trips with an estimated total travel time within two minutes of
15 the scheduled total travel time.

16 (d) "elevator availability" means percentage of facilities that
17 require the use of stairs and have an operational elevator.

18 (e) "escalator availability" means percentage of facilities that
19 require the use of stairs and have an operational escalator.

20 (f) "excess journey time" means comparison of measured journey time
21 compared to scheduled and standard journey times.

22 (g) "journey time metric" means the times of each component of a trip
23 including access, egress, interchange, time in queue for tickets, time
24 on platform and time on train. Journey time and its components may be
25 based on a manual or an automatically generated sample.

26 (h) "major incidents" mean incidents that delay twenty or more trains.

27 (i) "staff hours lost to accidents" means staff hours lost due to
28 accidents or illegal activity per billion passenger journeys.

29 (j) "standard journey time" means the ideal journey time calculated by
30 the metropolitan transportation authority for a particular journey.

31 (k) "terminal on-time performance" means the percentage of trains or
32 buses arriving at their destination terminals as scheduled. A train or
33 bus may be counted as on-time if it arrives at its destination early, on
34 time, or no more than two minutes late, and has not skipped any planned
35 stops.

36 (l) "bus speed" means the average speed of a bus calculated by the
37 authority throughout the duration of its route.

38 (m) "additional bus stop time" means the average added time that
39 customers spend waiting at the bus stop for a bus, compared with their
40 scheduled wait time.

41 (n) "service delivered" means the actual percentage of service on a
42 bus or rail route that operates during peak hours as calculated by the
43 authority, compared to the amount of service scheduled.

44 2. Reporting on rail services. The metropolitan transportation
45 authority shall take all practicable measures to collect, compile and
46 publish performance metrics of all services provided by New York city
47 transit subways, long island railroad and metro-north railroad on a
48 weekly basis. These metrics shall include but not be limited to:

49 (a) additional platform time;

50 (b) additional [~~train~~] travel time;

51 (c) customer journey time performance;

52 (d) elevator availability;

53 (e) escalator availability;

54 (f) excess journey time;

55 (g) journey time metric;

56 (h) major incidents metric;

- 1 (i) staff hours lost to accidents; [~~and~~]
2 (j) terminal on-time performance; and
3 (k) service delivered.

4 § 7. Subdivision 3 of section 1276-f of the public authorities law, as
5 added by section 2 of subpart D of part ZZZ of chapter 59 of the laws of
6 2019, is renumbered subdivision 4 and a new subdivision 3 is added to
7 read as follows:

8 3. Reporting on bus services. No later than eighteen months after the
9 effective date of this section, the metropolitan transportation authori-
10 ty shall take all practicable measures to collect, compile and publish
11 performance metrics of all bus services it provides on an individual
12 per-route basis on a monthly basis. These metrics shall include but not
13 be limited to:

- 14 (a) service delivered;
15 (b) bus speeds;
16 (c) additional bus station time;
17 (d) excess journey time;
18 (e) additional travel time;
19 (f) customer journey time performance;
20 (g) journey time metric;
21 (h) staff hours lost to accidents; and
22 (i) terminal on-time performance.

23 § 8. This act shall take effect immediately; provided, however, that
24 the amendments to paragraph (b) of subdivision 4 of section 1263 of the
25 public authorities law made by section four of this act shall not affect
26 the expiration of such paragraph and shall be deemed to expire there-
27 with.