

Responses to Speaker Quinn's Letter

Question 1: How many Queens customers have been affected by outages since Monday's hearing? How many, if any, remain without power? How many have been restored to Con Ed's distribution system and how many remain on generators?

There were scattered outages in Queens during the recent heat wave. On August 2, 5,588 customers in Ozone Park served by the overhead system were briefly interrupted for an average of 2 hours and 31 minutes. The outage occurred when a 4kV feeder went out of service causing five other 4kV feeders to go out of service from the supply station.

Also, on August 7, 1,237 customers were briefly interrupted for approximately 1.5 hours when a 4kV feeder experienced an underground fault in the Bayside area of Queens.

Throughout Queens, in total, 16,058 customers were affected by outages from July 31 to August 10, all of whom have been restored.

While some generators were utilized to restore customers outside of the Long Island City network from July 31 to August 10, no customers currently remain on mobile field generators. As of August 9, there are 1,302 customers within the Long Island City Network still on temporary generators that were installed prior to July 31.

Question 2a: How many of the approximately 10 percent of customers not yet restored to the grid and receiving power from generators have since been restored?

Approximately 40% of the customers that were on generators have been restored to the grid.

Question 2b: How does this percentage translate into numbers of customers still on generators?

There are 1,302 customers still on generators, 4 of which are on their own generators.

Question 3a: How many Con Ed and private generators remain in service for how many Queens customers?

As of August 9, a total of 32 generators were still in service within the Long Island City Network

- 28 Con Edison generators supplying 1,302 customers
- 4 private generators supplying 4 customers

Question 3b: At what addresses are they located?

See the attached listing (LIC Gen Listing).

LIC Gen Listing (eff.
080906 pm).xls

Question 3c: Please provide the results of the foot canvas investigating private generators you promised at the hearing.

See the attached listing from our foot canvas.

LIC Gen Canvas.xls

Question 4a: Have any of the generators that were utilized due to the blackout been disconnected and returned to storage?

Yes, we have disconnected generators and returned them to standby storage.

Question 4b: Have any of the generators that were utilized for certain buildings due to the blackout been moved instead to other buildings to provide power?

Yes, we have moved generators to other buildings after the initial buildings they supplied were restored to the grid.

Question 5a: How many generators does Con Ed own?

Con Edison owns six mobile generators. Four are used for system support, and two smaller units are used for customer outages, primarily in Westchester.

Question 5b: How many generators did Con Ed obtain during the July blackout?

Con Edison obtained an additional 111 generators during the July outages in Northwest Queens.

Question 5c: How much did the rented generators cost?

Generator rental rates change based on the amount of time the unit is leased (daily, weekly, monthly) and running hours (stand-by vs. prime running hours). While the company has not yet been able to determine the total rental cost of the generators, we estimate that, as of August 7, the cost for the size of the units rented is approximately \$1 million. This excludes the associated costs of trucking, technicians, fuel and cable, which adds an additional \$1,645,000 per week or \$4.9 million through August 7, 2006.

Question 5d: How much does it cost to purchase a generator?

Generator purchase prices vary widely by manufacturer, transportability, size, age, hours, voltage output, etc. The purchase price of a 2 MW unit typically ranges from \$400,000 – \$600,000. The majority of the associated costs described above would need to be added to that amount to cover operating and other costs.

Question 6a: Of Queens customers with power, how many are still in a state of "brownout," drawing weak or insufficient voltage from the distribution system?

Based on recent customer contact, approximately 200 customers are experiencing low voltage problems. The majority of these customers are in the Long Island City network. These issues are actively being addressed through the ongoing work by the Long Island City restoration team.

Question 6b: Concerning concurrent July outages in Elmhurst and Jamaica Queens - Please provide figures detailing how many customers lost power in these neighborhoods, how long power restoration took and how Con Ed conducted communication efforts.

In Jamaica, 23 multiple dwellings, representing approximately 231 separate customer accounts, experienced service outages on July 18. The outages resulted from secondary cable failures and two transformer failures in the area. Service was restored to these customers via temporary cable on July 23.

To keep the community informed the company began a dialog with Community Board 12 (CB12) and the Greater Jamaica Development Corporation (GJDC) on July 18. The company continued to communicate with CB12 and GJDC throughout the restoration process. Contact information was also communicated to Council Member Leroy Comrie.

On July 18 the company contacted “large / sensitive” customers to inform them of the situation and ensure on-site emergency generation was operational. Subsequently, additional customers were contacted and made aware of the feeder outages and the implementation of the network area voltage reduction.

On July 18 at 13:08 hrs, after Feeder 5Q34 went out of service, we contacted the following "large/sensitive" customers because two of their supply feeders were out of service:

Dept. of Citywide Services - Court Building 89-17 Sutphin Blvd.	
Dept. of Citywide Services - Court Building 151-20 Jamaica Avenue	
Dept. of Education. - PS# 268	175-02 Jamaica Avenue
Highland Care Center	91-31 175th Street

Mattone Group
NYS Dept of Social Services
Social Security Administration

159-02 Jamaica Avenue
152-10 Jamaica Avenue
155-10 Jamaica Avenue

On July 18 at 17:38 hrs, after Feeder 5Q53 went out of service, we contacted both court house locations, confirming that all three of their supply feeders were out. We also confirmed that the customer's on-site emergency generation was operational. The customer subsequently decided to shut down operations for the evening. At 21:41 hrs that same day Feeder 5Q34 was restored and service to the court houses was re-established.

In addition, because we were in a 3rd contingency with an 8% voltage reduction, we contacted an additional 53 "large/ sensitive" customers and made them aware of the network wide voltage reduction. These customers included Jamaica Hospital, Queens Hospital, Long Island Jewish Hospital, York College and DEP - Jamaica Water Pollution Control Plant.

Customer Operations also contacted customers with life-sustaining equipment, responded to customer calls for support, and distributed ice. Customer Outreach established a center in the neighborhoods to distribute dry ice, provided guidance on submitting claims, recorded individual outage information, and offered general assistance. They also delivered dry ice to senior residences and several large apartment buildings.

In Elmhurst, approximately 350 customers in a two-block area experienced a low voltage condition beginning on July 13. Several defective secondary cables on 98th Street between 34th and 37th Avenues caused this condition. Temporary repairs were made on July 13, and permanent repairs were completed on July 17 when full voltage was restored.