Background

NYCEM GIS Mission

To support the decision making processes of NYC emergency management and its partners by producing reliable location-based information through the integration, analysis, and visualization of essential data distributed in the form of maps, datasets, summary metrics, and associated applications.
**Background**

**Heat Season**

June - September

**Heat Emergency Plan**

Cooling Centers

**Key Players**
Background

Previous Workflow

Agency points of contact → Human Services → GIS

GIS → GIS Database

GIS Database → CSV

Summary email → Cooling Center Finder
Fulcrum
Pre-season Application

- GIS uploaded last year’s list of cooling centers on Fulcrum
- Partner agencies reviewed information in the beginning of the season
- Downloaded data and set up in database
### Fulcrum Activation Application

**2019 Cooling centers - Activation**

[Map of the area with locations marked, including Success Academy Bushwick, Barbara’s Roman Catholic Church, San Juan Memorial Chapel, Heckscher Playground, Iglesia Tabernaculo De Reunion, and others.]

<table>
<thead>
<tr>
<th>Time Period</th>
<th>Availability</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Friday hours</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Date for Saturday special hours</td>
<td>mm/dd/yyyy</td>
<td></td>
</tr>
<tr>
<td>Saturday hours</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Date for Sunday special hours</td>
<td>mm/dd/yyyy</td>
<td></td>
</tr>
<tr>
<td>Sunday hours</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Closure** - If the center is closed on a day when it’s normally opened, the short or long-term closure field must be ‘Yes’ for the center to be closed on the finder.

- **Long-term closure**
  - [Dropdown]
- **Short-term closure**
  - [Dropdown]

**Other Information**

- **Handicap access**
  - [Yes] [No]
- **Extended hours**
  - [No]
- **Entrance info**
  - [Input field]
- **AC type**
  - [HVAC] [Window unit(s)] [Other]
- **Capacity**
  - [Input field]
Fulcrum
Activation Application

Partner agencies entered changes of cooling center hours at the start and throughout the activation

<table>
<thead>
<tr>
<th>Special hours changes by date and day of week - Leave as-is if hours are not changing</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Regular hours</strong></td>
</tr>
<tr>
<td><strong>Date for Monday special hours</strong></td>
</tr>
<tr>
<td><strong>Monday hours</strong></td>
</tr>
<tr>
<td><strong>Date for Tuesday special hours</strong></td>
</tr>
<tr>
<td><strong>Tuesday hours</strong></td>
</tr>
<tr>
<td><strong>Date for Wednesday special hours</strong></td>
</tr>
<tr>
<td><strong>Wednesday hours</strong></td>
</tr>
</tbody>
</table>
Current Workflow

Agency points of contact
Fulcrum form

UPDATE SCRIPT

NYCEM

GIS Database

NYCEM dashboard

Collector application

UPDATE SCRIPT

Cooling Center Finder
Output
GIS team

Success - Cooling Center Data Automation (10:38:32.470758222 July 30 2019)
To NYC OEM GIS Data
Cc

Cooling Center Data Automation post success on
10:38:32.498219163 July 30 2019

https://maps.nyc.gov/oem/cc
Cooling Center Finder

New York City opens cooling centers in air-conditioned public facilities for those experiencing physical discomfort in a heat wave.

To find a cooling center, simply type your address or intersection into the search field on the upper-left corner of the map and then hit "Enter", or zoom and pan the map to your neighborhood location.

To search or view only accessible centers, click the Accessible Only button below; click All Centers to switch back all centers search or view status.

NOTE: Please check this site daily. Cooling centers may change hours of operation.

Learn more about ways to stay cool.
Output
ArcGIS Online dashboard for NYCEM
ArcGIS Collector and Workforce

NYCEM Site Visits
Lesson Learned

• Fulcrum licenses

• System based on partner parameters

• More specific data questions
Coming Soon…

- Refining backend process
- Accessibility on Finder
- Analysis and field collection tools
QUESTIONS?
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