



Minutes

Coordination Committee
Monday, July 13, 2026, 3:00 – 5:00 pm
Microsoft Teams

Present:

Mike Andrews- Liveable Cities (Presenter), Audrey He -Citizen, Alan Lynch - Arcadis Denis Corr- Corr Environmental, Edward Gondar- Citizen, Kaela Buck – MECP, Geoffrey Knapper – HIEA, Kristina Rudziak – MECP, Roshini Kassie-HC, Mike Stinnissen-Arcelor Mittal Dofasco, Mantra Trivedi-, Natalie Stacey- MECP, Lucas Neil – Stantec, , Shelley Rogers, City of Hamilton, Stacey Currie-City of Hamilton, Stephen Burt - MECP, Susan Chapman-Citizen STAND for Stoney Creek, Trevor Imhoff-City of Hamilton, Tim Hung-MECP, Zobia Jawed-Chair, Zoe Davis-ECCC, Evan Eubene – Environment Hamilton, Matthew Parsons - ECCC, Sally Radisic – City of Hamilton,

1. Land Acknowledgement

The City of Hamilton is situated upon the traditional territories of the Erie, Neutral, Huron-Wendat, Haudenosaunee and Mississaugas. This land is covered by the Dish With One Spoon Wampum Belt Covenant, which was an agreement between the Haudenosaunee and Anishinaabek to share and care for the resources around the Great Lakes. We further acknowledge that this land is covered by the Between the Lakes Purchase, 1792, between the Crown and the Mississaugas of the Credit First Nation.

Today, the City of Hamilton is home to many Indigenous people from across Turtle Island (North America) and we recognize that we must do more to learn about the rich history of this land so that we can better understand our roles as residents, neighbours, partners and caretakers ([source](#)).

2. Approval of **June 8, 2026** meeting minutes – Approved with 10 votes

Presentations:

3. (20 minutes) Mike Andrews Account Manager, Smart Cities - Liveable Cities Micro-Sensors for Particulate Matter Monitoring. See attached presentation below.

Pilot Project Discussion and ask:

- Deployment of 10-20 SLX-Particulate Micro-Sensors
 - Recommendation of two (2) sensors deployed at each location
 - Portion of micro-sensors to be co-located with larger, local monitoring stations

- Portion of micro-sensors to be co-located with other "micro monitoring" devices the City or CAH has adopted (optional)
 - City / CAH to select locations for deployment
- Evaluate SLX-Particulate device data for overall PM trend analysis to support air quality network data collection
- Compare SLX-Particulate with larger, local reference stations
 - Evaluate development of correction factor as future benefit to apply across SLX-Particulate devices in service area
- Develop case study of evaluation of SLX-Particulate as a micro-sensor solution to support overall air quality data collection network in Hamilton (2-3 page range, marketing document, concise and straightforward)

Questions and Discussions:

Q - The data correlates to the AQI, why does it not correlate to the AQHI what Canada does.

A - It has not been developed yet. A few customers have asked about it but we need more to push for it.

Q - Who are your main customers that you provide too?

A - Our target customers are typically municipalities, other Air Quality organizations that have access to the lighting assets.

Q - What information does the customers get?

A - They can set up threshold alerts and alarms within the software and are often private facing, but they can make it public facing. We have been in discussions with ECCC about getting our data integrated into their platform.

Q - Have you previously co-located the systems or would that be a benefit for like a Hamilton specific pilot?

A - I think it would be a benefit for a Hamilton specific pilot.

Q - with the AQHI that you were discussing before, so in order to calculate that, you would need ozone and nitrogen dioxide numbers. So are those something you would be looking to do in the future if you were going to look into doing AQHI or is that part of the reason why you've been focusing on AQI as well so far?

A - That is part of the reason why we haven't gone ahead with it. we've looked at O3 and CO2 as well as NO2, some other gas sensors. We haven't really progressed with offering those to market. There's definitely still more development work to be done. And we've been pushed on a lot of other projects on other sensor technologies like cameras.

CAH could be the ones to take on the project. We could form a working group. Possible areas could be along the 403. Could pull together a case study together and look for members to lead this.

Action item - September we will be putting together a working group. Health Canada can support with helping to develop the messaging and support for data interpretation and health messaging.

Discussion Items:

- 4. Dust and Particulate Matter group updates, (5 mins) Shelley** - Working on an infographic.
- 5. Public Outreach and Education group updates, (5 mins) Zobia** – Utilize this working group to move the pilot with liveable cities potential pilot but this may fit better with Dust and Particulate matter group or create an entirely new group.
- 6. Reminder no meeting in August. (Stacey) –**
- 7. 2024-2025 Clean Air Hamilton Report – working group.** Stacey will send out e-mail asking for volunteers.
- 8. Community Experiences: an opportunity for anyone to share local air quality experiences, All (10 minutes)**

Q - Does anyone have any information about where the black soot source is coming from?

A - MECP says they have collected many samples and sent to the labs in hopes of identifying a source of what the material is. This takes times. As the MECP does not have results they don't have a specific source, and it is premature to identify a specific source as this stage. Suggest to also be aware, has anything has changed. Please report to MECP as that information is useful and would be great to get us out so it can be documented, and they can resample or collect samples. So that the MECP knows if it is a new incident or potentially. Hoping to be sharing some information soon and then we can work through the rest of the process and following up with any facilities that may be identified as the courses. Biggest question is what it is. That is very complex and a lot of materials that come in when you're scraping a property.

Suggestion if any new communication it can be added to the CAH website and please send it off to Air Quality Coordinator.

Q – Community would appreciate if somehow if a public report was put together at the end of this that may include some of the submissions people made and the lab results.

A – Trying to work with Public Health and with the teams to get their proper assessments done so they can share information widely.

The Ontario Community Environment Fund looks like theirs an environmental penalties annual report that is out. That is where the environmental penalties funds go. So certain industries are, the environmental penalty regulation applies to them. So certain industries and certain undertakings at those industries, they can get, in the event that there's a contravention or some sort of compliance matter, there can be an environmental penalty

issued. That's where those funds come from. When you're talking about charges, that would go through the court of law. So, if something like this was to end up into courts, then it would go through the court process and then of course the fines that are determined by the courts are collected by the municipality. The Environmental Penalties that would be the fund, where people can make an application. This is a very long process.

9. Roundtable Updates: an opportunity for everyone to share with CAH participants events or updates that relate to CAH and that you are engaged in, All (10 minutes)

Suggestion that someone in our CAH group to run our socials to get word out and share information. Audrey He said they may be able to see about contributing to that. Health Canada is also willing to support.

Mention of GFL complaints over the weekend. Stephen MECP said he would connect directly offline to follow up on the status.

Health Canada, they do all the outreach and engagement and communications to the public and partners and stakeholders for the air quality program on the Health Canada side. We do this on the on Canada.ca all the time. We have lots of air quality content, indoor, outdoor. health information, stuff like that. So, you know, happy to help, you know, improve content, link, cross-link content where we know there's new and interesting things. So if, we are going to move ahead with the pilot, like we definitely love to be involved to kind of support that kind of, you know, data interpretation, messaging, kind of content development work.

Shelley updated that they received the climate change reserve funding that she applied for and were approved for DIY box fan air cleaner project or air purifier. It's when you get a box fan and then you can put a furnace filter on it and make a DIY air purifier. The idea is that people could be using this through periods of wildfire smoke as air purifiers can be a financial barrier for people because they can be quite expensive. Idea of this would be that we would have community-run events where people can come and build one for free. This has been done in BC, and we're hoping to roll something like that out here. This probably won't be happening until the new year, but we will probably be doing a request for quotations to have somebody do this work in the new year. But we're hoping to have 200 of these fans go out into the community and at the session they would do. There'd be an educational component, like maybe a 15-minute presentation on air quality and wildfire smoke. Then they would be able to build their box fan air purifier in that session.

Trevor mentioned that July 29th their team is submitting the annual climate change progress report. So that goes over tracking community and corporate-wide greenhouse gas emissions, as well as our progress on implementation of Hamilton's climate action strategy. That is slated to go to General Issues Committee July 29th

Next meeting
September 14, 2026

3:00-5:00pm

Microsoft Teams



Liveable Cities Air Quality Micro-Sensor

LIVEABLE CITIES



LED Roadway Lighting Ltd. is a Canadian owned streetlighting and smart city provider which was originally established in 2007.

Our smart city sensors division, Liveable Cities, was established in 2019.

We design, manufacture, and distribute LED streetlighting, wireless intelligent controls, and smart city sensors.

Headquarters

- Halifax, NS, Canada

Office

- Victoria, BC, Canada

Manufacturing

- Amherst, NS, Canada

Manufacturing

- China, Caribbean

SENSOR SUITE



Noise



Speed



Video



Air



Particulate



PLUG & PLAY DESIGN



Sensors plug into a standard socket.



Streetlights are highly standardized and have one global standard control socket (ANSI C136.41).



Works on any street light, from any vendor in the world.



Even works on 30+ year old lights, which still have the same basic control socket.



Tool-less Installation



One base. Several applications



Plug and Play Design



SLX-PARTICULATE



SLX-PARTICULATE
Micro-sensor

SLX-PARTICULATE can provide measurement of airborne particulates in the following sizes:

- PM 2.5
- PM 10

Applications



Establish a Baseline



Prioritize Investment



Analyze Intervention Success

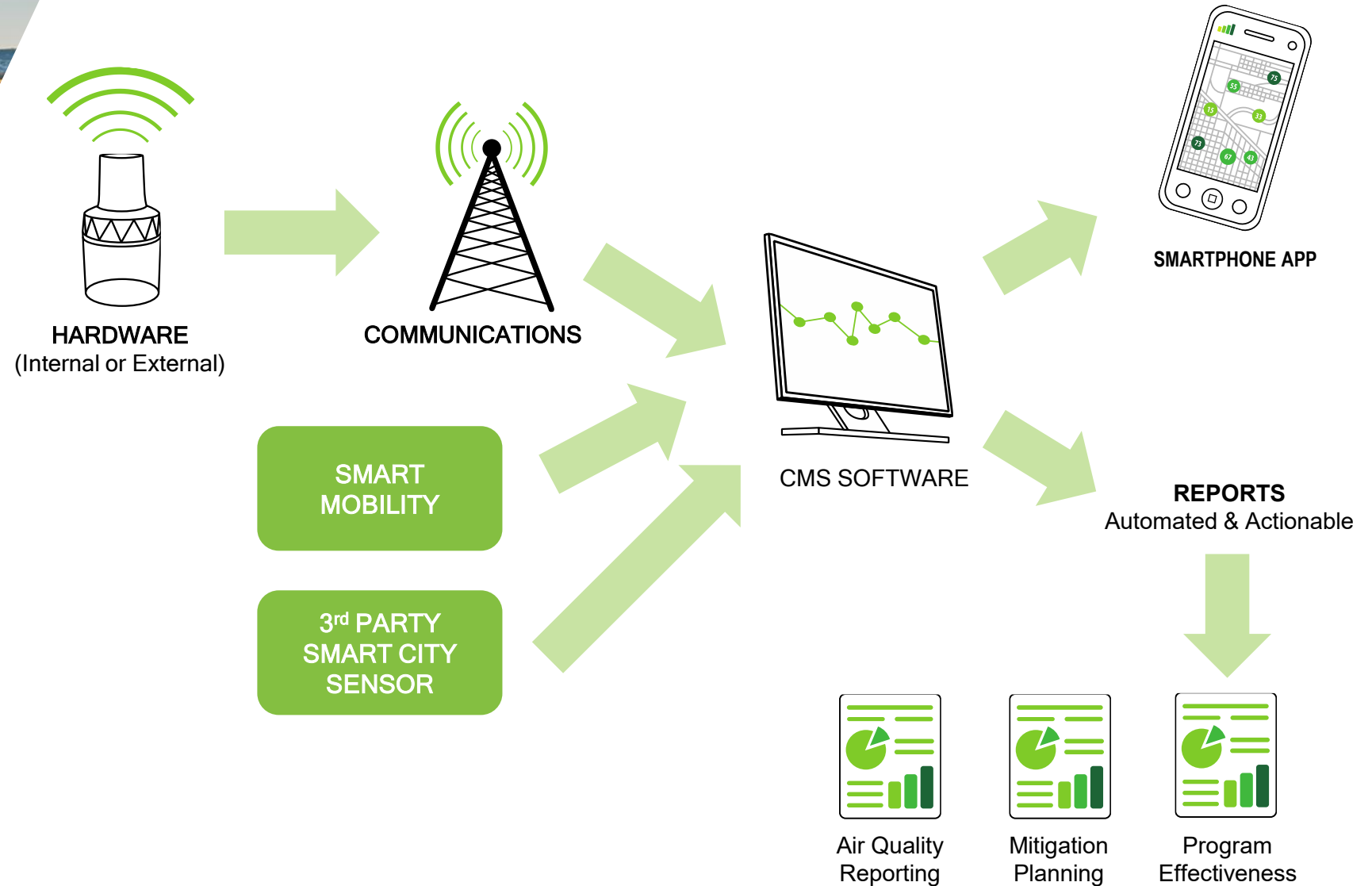


Tool-less Installation



New, Scalable Ways to get
Previously Unattainable City Insights

SMART SENSORS: DATA ACQUISITION



AIR QUALITY TRADITIONAL STATION



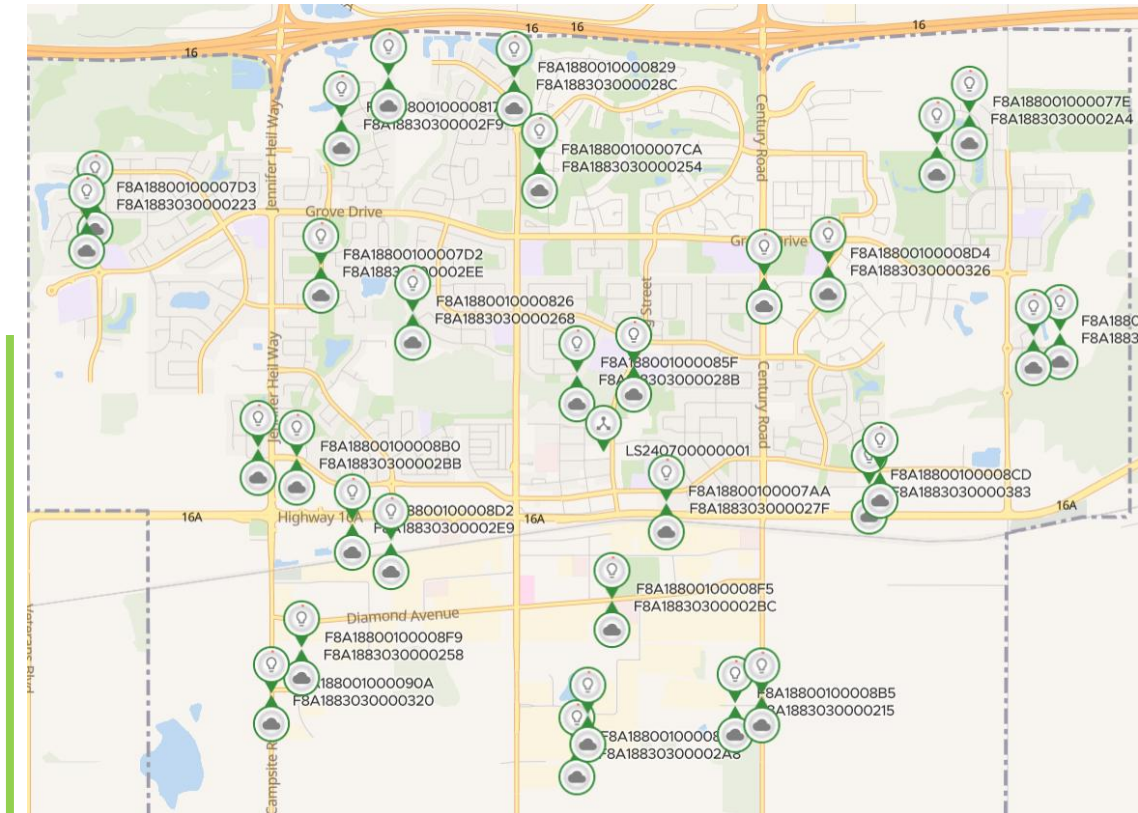
AIR QUALITY MONITORING

Particulate Sensors

Empowers municipalities and organizations to deploy their own air quality sensors to support monitoring needs

Local / Targeted Monitoring

Users can target deployments in local areas of concern for hyper-local data collection or deploy across an area for generalized air quality monitoring



SOLUTION ADVANTAGES



	LIVEABLE CITIES MICRO-SENSORS
Power	24/7 power from street lights
Installation	Plugs into standard street light socket
Maintenance	Swap sensors in minutes without tools to reduce long-term maintenance costs
Vandal resistance	Installed on top of street light, making it inaccessible for vandals while directly over the road (source)
Multi-application	Our solution offers other sensors like noise level detection, speed sensing, traffic flow detection. This allows air quality data to be analyzed against other relevant sensor data

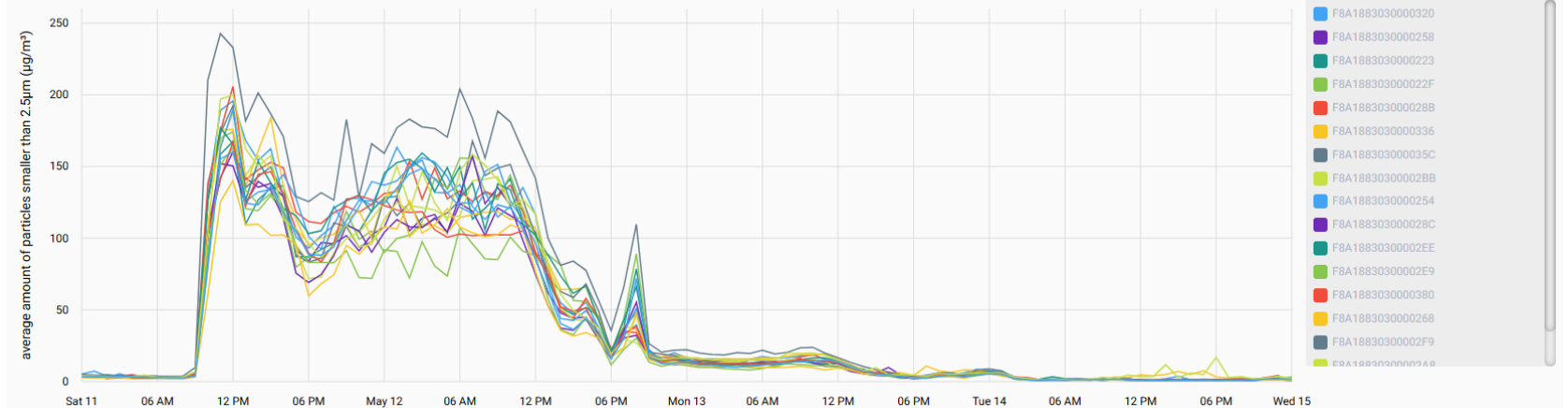
AIR QUALITY REPORTING



Data History for detailed analysis and standard reporting

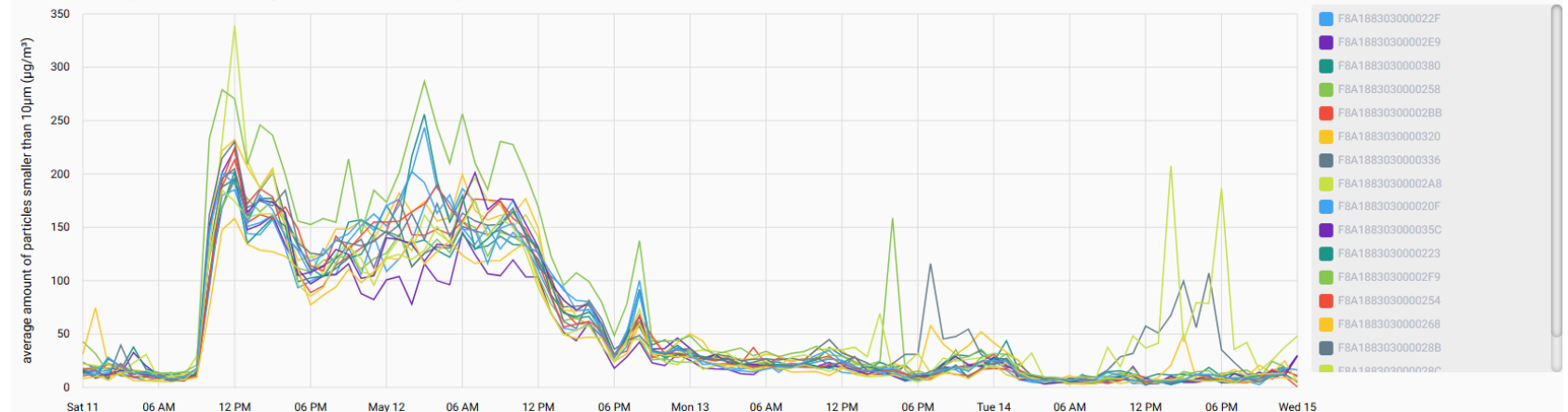
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West Side Sensors — May 11, 2024, 12:00:00 AM » May 15, 2024, 12:00:00 AM — Hour / Average



Data History PM 10

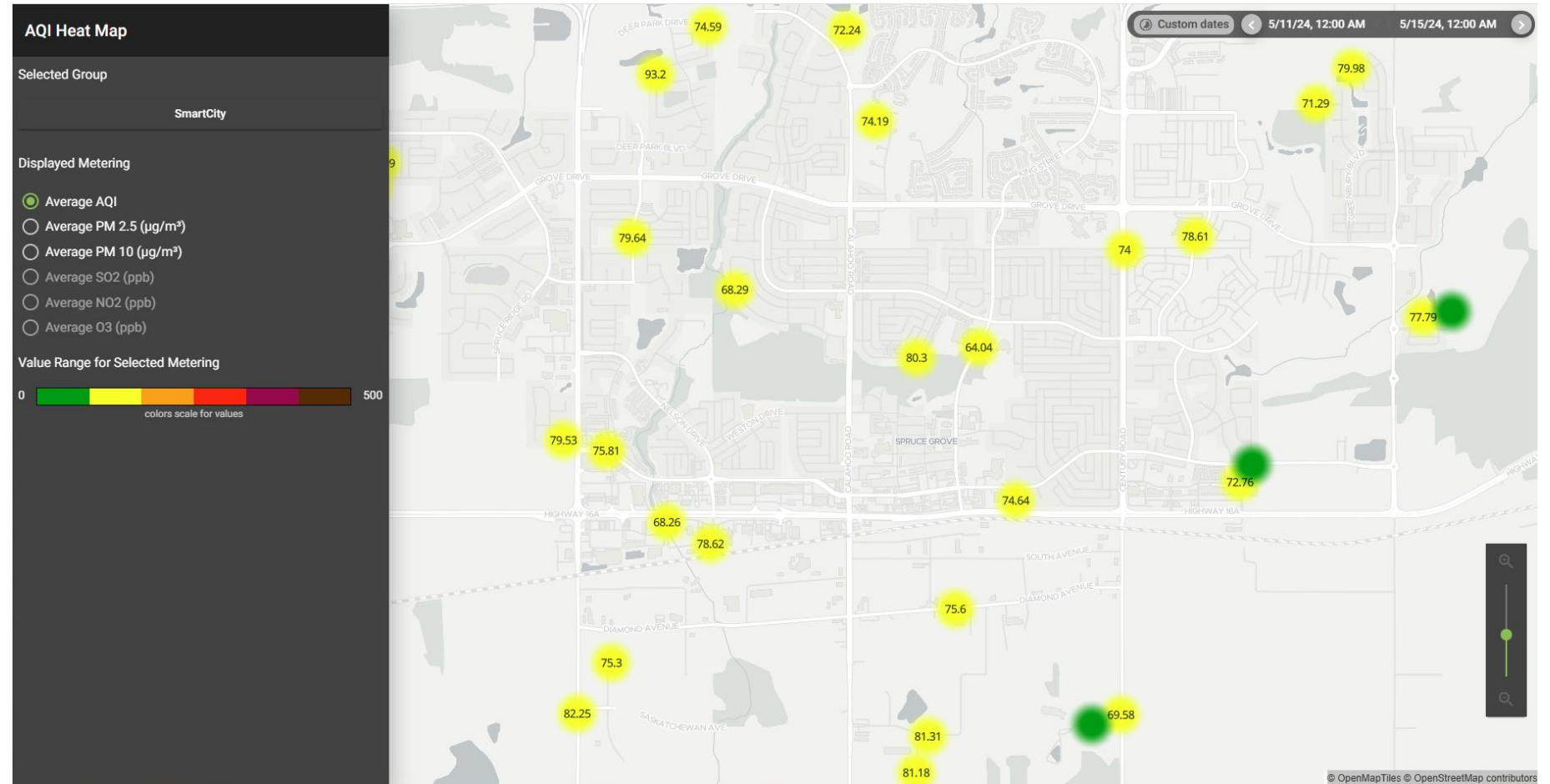
West Side Sensors — May 11, 2024, 12:00:00 AM » May 15, 2024, 12:00:00 AM — Hour / Average



AIR QUALITY REPORTING



Heat Map for current and historical data visualization





PILOT PROJECT DISCUSSION



Deployment of 10-20 SLX-Particulate Micro-Sensors

-  Recommendation of two (2) sensors deployed at each location
-  Portion of micro-sensors to be co-located with larger, local monitoring stations
-  Portion of micro-sensors to be co-located with other "micro monitoring" devices the City or CAH has adopted (optional)
-  City / CAH to select locations for deployment



Evaluate SLX-Particulate device data for overall PM trend analysis to support air quality network data collection



Compare SLX-Particulate with larger, local reference stations

-  Evaluate development of correction factor as future benefit to apply across SLX-Particulate devices in service area



Develop case study of evaluation of SLX-Particulate as a micro-sensor solution to support overall air quality data collection network in Hamilton



Liveable Cities

Division of **LED** ROADWAY LIGHTING