



Happy New Year!

In This Issue

1. [What's a Web Map App?](#)
2. [Web Map Apps in Action](#)
3. [How I Use GIS](#): Pamela Cady
4. [Map Gallery](#)
5. [More Fun with Pictometry](#): in Concord ... and Statewide!

1. What's a Web Map App?

Concord GIS is now in the business of creating embeddable **Web Maps** and associated **Web Map Apps** and **Phone Apps**.

Web Map: An interactive map, embedded in a Town of Concord web page, designed to answer questions specific to that web page.

"Where do I go to vote?"

Web Map App: A Web **Map** which has been customized with widgets (specialized tools such as Search) to provide additional information quickly and easily. These too can be embedded in a web page.

"Is Broadband available at my property?"

Phone App: A shortcut to a Web Map **App**, appearing on a mobile phone's home screen as an icon. This has the advantage of being able to show the phone's location directly on the App.

"Am I close to any of Concord's public parking?"

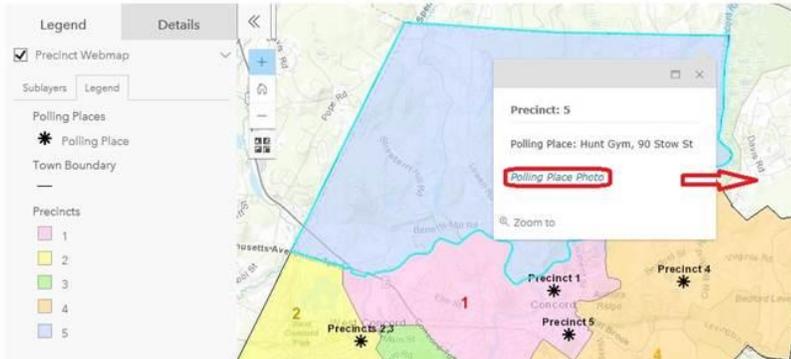
2. Web Map Apps in Action

Providing answers to the questions above using Maps and Apps

Web Map: Where Do I Go to Vote?

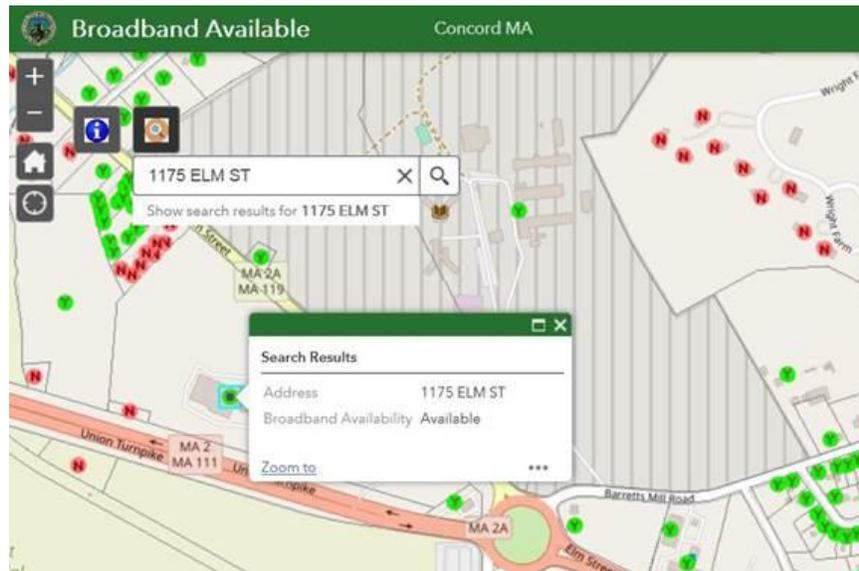
The Town Clerk's [Elections and Voting](#) web page now has an interactive embedded [Web Map](#) showing voting precincts and polling places. Voters can use the map directly on the web page to learn about their precinct and polling place

- Click on a Precinct to see a pop-up with the name and address of that Precinct's polling place, as well as a link to a photo of the building:



Web Map App: Is Broadband available at my property?

The Light Plant's Broadband web page now includes a [Web Map App](#), enabling residents to search for their property and discover whether or not Broadband service is available to them.



- Click the How To icon  for instructions on using the Map App.
- Use the Custom Search icon  to search the Map App by Street Address, Owner Name or Parcel ID. A pop-up provides information on Broadband availability for that address; the red N and green Y symbols also inform the viewer about availability in their neighborhood.
- Bonus functionality: Connect to the [Concord MA](#) home page using the link at the top of the map

Phone App: “Am I close to any public parking in Concord?”

The [Parking Map App](#), when used on your phone, shows your location as well as Public parking (bright green) and Other parking – usually merchant (pale purple).

- Save the **Map App** URL as a shortcut on your phone’s home screen.



- Open the App by clicking on the new icon you just created.



- Turn on the “My Location” button in the app, and accept the phone’s request to use your location information
- The app will zoom the map to your location, and you can see whether any public parking is nearby.

Could you use an embedded **Web Map** or **App** for *your* web page?
Or a **Phone App** for folks who work in the field?

Just get in touch with Jill, who will work with you to design it the way you want.

[Back to Top](#)

3. How I Use GIS: Pamela Cady

Pamela is the Light Plant’s Energy Specialist. “I promote energy efficiency, renewable energy and fuel switching for all types of CMLP customers: residential, commercial and municipal.” She tracks energy usage in Concord’s municipal and school buildings, promotes and processes energy rebates, and refers customers to MassSave® and other sources of rebates and energy assessments. MapsOnline tools assist her in several ways.



“Jill developed a custom webmap [above] for me, showing all properties listed by the Assessor as heating with gas, along with the locations of gas mains which serve about half of the Town. These customers may be eligible for more generous rebates through Mass Save, and it helps to have this information readily available when responding to inquiries.”

“The online maps are also very helpful for our High Efficiency Lighting Program. Commercial customers can receive HELP rebates from us for external as well as internal lighting. Concord’s 2016 Pictometry images are so crisp, CMLP’s Electrician Marty Boermeester can count the number of lamps on each parking lot pole to scope out the opportunity before going out on pre-installation inspections! And Google Maps is a decent backup if more recent imagery is needed.”



Pictometry 2016



Google ©2018

ConcordGIS also developed a map of Solar PV (PhotoVoltaic) installations in Concord for Pamela. “I take a poster-sized version to our events, to demonstrate our solar saturation level.” This map also appears on her website – click on the box below to view it.

Home > Government > Departments > Municipal Light Plant > Energy Management, Renewable Energy & Efficiency > Success Stories in Concord

Success Stories in Concord

- Local Renewable Energy Generation
 - [Map of Solar PV installations in Concord](#)
 - [Willard School](#)
 - [Landfill Solar Portal](#) - this portal has 4 slides that are each shown for 20 seconds

How could Concord’s webmaps help your department do its business better?

[Back to Top](#)

4. Map Gallery

CTRL-Click on a thumbnail to view, download or print the full-sized map

<p>Land Use travels to Japan</p>		<p>A recent delegation from Concord's Japanese sister city, Hanae, received as a parting gift a poster-sized map of Land Use in Concord.</p>
<p>Historic District Commission Update</p>		<p>The Historic Districts Commission maintains an official map of the approved district extents. Following the recent Special Town Meeting vote to expand the Hubbardsville District, the HDC requested an updated map.</p>
<p>Wireless District Update</p>		<p>The Planning Department requested an updated map showing the recently-expanded Wireless Overlay District.</p>
<p>Historic District Expansion Proposal</p>		<p>The Historic Districts Commission is now considering expansion of the Main St Historic District. This map, illustrating the proposed expansion, was prepared for possible inclusion the upcoming Town Warrant.</p>
<p>Holiday Parade Map</p>		<p>The Recreation Department requested a map to include in a planned brochure for Concord's annual parade and tree lighting. The map depicts the locations of participating stores, organizations and activities, keyed to further details in the brochure.</p>

[Back to Top](#)

5. More Fun with Pictometry

Concord GIS is preparing to update our aerial photography and Pictometry (the 3-D 'bird's eye' view) in the Spring of 2019. Russ has arranged for a three-town consortium with Acton, Concord and Sudbury – no small feat in itself – which will save us all money where images overlap along shared boundaries.

Good going, Russ!

Until then, our 2016 imagery remains available on Concord's [town webmap](#), by using the Pictometry



button (lower right).

In the meantime you can supplement our 2016 aerials with 2017 imagery using MassDOT's [state-wide Pictometry tool](#). The images are lower resolution than our 3" flyover provided, but even so, what a difference a year can make:

Black Birch Lane



Concord-Carlisle High School



Starmet (superfund site on Main St)



Bruce Freeman Rail Trail

Though it hasn't officially made its way into Concord yet, the BFRT has come into the picture in Acton. [Google Maps](#) provides even more up-to-date imagery (2018) to tide you over until our own new aerials arrive.



2017 MassDOT Pictometry (under construction) on the left, ©2018 Google Maps imagery (completed) on the right

Explore, learn and enjoy!

[Back to Top](#)