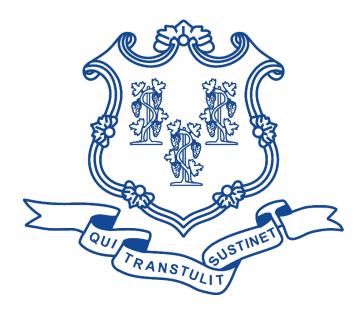
# WebEOC

# Drinking Water Status Controller Board User Guide For Public Water Systems



State of Connecticut
Department of Public Health
Drinking Water Section

**August 2018** 

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#### Introduction

Following the events of Storms Irene and Alfred in 2011 and Hurricane Sandy in October 2012, the Connecticut Department of Public Health (CTDPH) Drinking Water Section (DWS), working with the large water utilities in Connecticut, decided to develop an emergency reporting mechanism modeled after the hospital WebEOC reporting templates. Developed in cooperation with the State's large public water systems (PWS), the CTDPH DWS PWS reporting template will transform the communication between all levels of government and the State's Community PWS that serve over 2.9 million people in CT.

WebEOC is a web-based emergency management information system used by the State of Connecticut to document routine and emergency events/incidents. Web EOC provides a real-time common operating picture and resource request management tool for emergency managers at the local and state levels during exercises, drills, local or regional emergencies, and/or statewide emergencies. The CTDPH DWS developed the Drinking Water Status Controller Board to allow public water systems in Connecticut to report their operational status during emergencies and other important events.

# **Purpose**

This document provides public water system staff with detailed information about the use of the Drinking Water Status Controller Board and general information on other important features of the WebEOC application.

# **Use of WebEOC - DWS Expectations**

WebEOC will primarily be used in times of emergency, typically when the State Emergency Operations Center (SEOC) has been activated in response to an on-going or anticipated event. The DWS will directly notify public water systems via the Everbridge notification system when a situation occurs that requires wide-spread use of the Statewide Public Water System Status board in WebEOC. At the beginning of the event, the DWS will establish the initial frequency at which water systems are requested to provide board updates (e.g. daily at noon and 5pm). The DWS will notify the public water systems whenever there is a change in the reporting frequency. At the conclusion of the event, the DWS will provide a final notification to public water systems that reporting is no longer necessary.

The DWS will use the information provided by the public water systems to:

- Efficiently evaluate state-wide public water system status;
- Generate state-wide status reports;
- Provide accurate public water system status information to Emergency Managers;
- Coordinate assistance activities, if needed.

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# **Use of WebEOC – PWS Expectations**

PWS are expected to:

- Fully understand how to use WebEOC and the Drinking Water Status Controller Board;
- Identify staff (and alternates) responsible for maintaining and updating board information;
- Maintain up-to-date Facility, PWS Contact and primary Operator Contact information in WebEOC at all times;
- Provide timely operational updates at the requested frequency or as public water system statuses change
- Contact the DWS if the PWS is not able to access WebEOC during emergency situations

# **Additional Training Opportunities**

The Department of Emergency Management and Homeland Security (DEMHS) provides frequent WebEOC training opportunities. All of the training events are listed on DEMHS training calendar (<a href="www.ct.gov/demhs/ical/calendar.asp">www.ct.gov/demhs/ical/calendar.asp</a>). WebEOC training events are typically held once per month if needed, unless requested for large groups.

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# **Logging into WebEOC**

To log into WebEOC, follow the steps below.

1) Access the State of Connecticut's WebEOC site at <a href="https://www.webeoc.ct.gov/eoc7/">https://www.webeoc.ct.gov/eoc7/</a>.



- 2) In the WebEOC Login screen, enter your username in the Username field. If you forgot your Username, click on *Forgot Username/Password?* and follow the on-screen instructions. If you do not have a user name, please contact the DWS.
- 3) Enter your password in the Password Field. If you forgot your password, click on *Forgot Username/Password?* and follow the on-screen instructions.
- 4) Press Log In.



5) Select your position from the Position drop-down list, and select your incident from the Incident drop-down list. Press Continue.



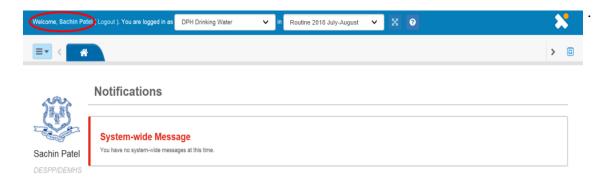
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6) Verify the Additional Login Information and update as needed. Select Continue, or select Cancel to abort the login operation.



7) The WebEOC Home screen will appear. The control panel, which is the information hub of WebEOC, is accessible by clicking the control panel icon (

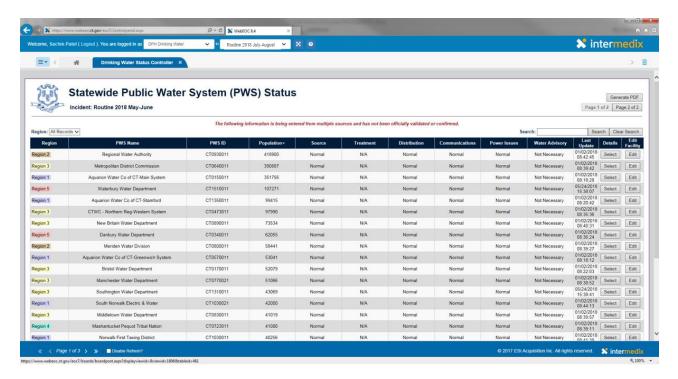
in the upper left corner of the Home page.



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# **Drinking Water Status Controller Board**

The *Drinking Water Status Controller* Board can be accessed from the WebEOC Control Panel. This board is used by public water systems to update facility information, PWS contact information, operator contact information and operational status. The information from the *Drinking Water Status Controller* Board is made available to all WebEOC users in the read-only *Statewide Public Water System Status* board.



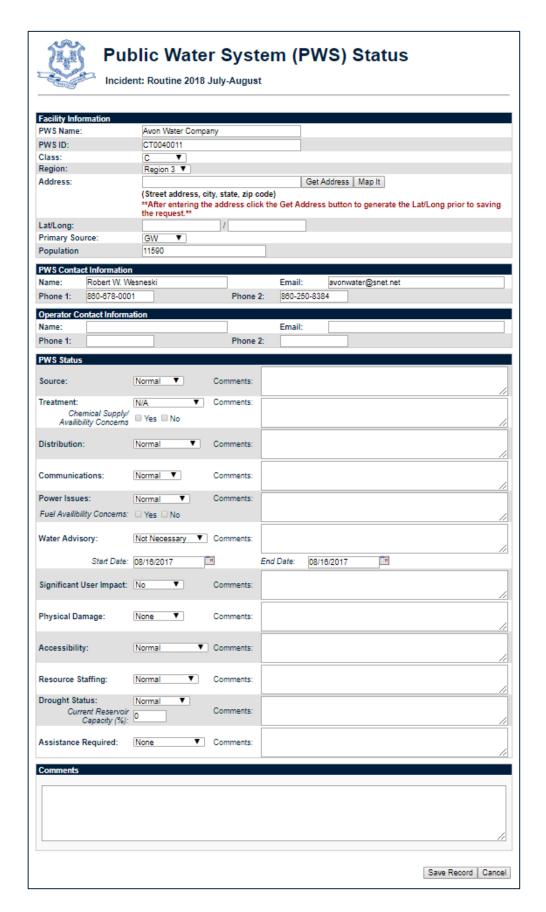
The list can be sorted by clicking on the column header labels or users can search for a PWS Name using the search box in the upper right.

#### **Viewing Public Water System Status Details**

Users can view details of a specific public water system's status by clicking on the *Select* button in the *Details* column. The Public Water System Status details screen presents all of the detailed Facility Information, PWS Contact Information, Operator Contact Information and the PWS Status for all of the emergency indicators available.

The information in this view cannot be edited, however public water systems can generate a PDF document that contains a snapshot of the detailed information for PWS records.

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#### **Editing Public Water System Status Details**

Users can edit the details of a specific public water system's status by clicking on the *Edit* button in the *Edit Facility* column. The Public Water System Status details screen presents all of the detailed Facility Information, PWS Contact Information, Operator Contact Information and the PWS Status for all of the emergency indicators available.

#### **Facility Information**

**PWS Name:** Name of the Public Water System.

**PWS ID:** Public Water System ID number assigned by the DWS. **This should not be** 

changed.

**Class:** Classification of the public water system:

**C**: Community

NTNC: Non-Transient Non-Community, TNC: Transient Non-Community

**Region:** CT DEMHS Region. This should not be changed.

**Address:** Primary address for the public water system. This allows emergency

response planners to create status maps depicting areas of concern across the

state.

**Lat/Long:** The latitude and longitude for the Primary Address. This allow emergency

response planners to create status maps depicting areas of concern across the

state.

**Primary Source:** Primary water source used, listed in order of priority:

**SW**: Surface Water

**SWP**: Surface Water Purchased

**GW**: Ground Water

**GWP**: Ground Water Purchased

**Population:** Total population served by the PWS

#### **PWS Contact Information**

Name: Full name of primary emergency PWS contact
Email: Email address for primary emergency PWS contact

Phone 1: Primary phone number for primary emergency PWS contact
Phone 2: Secondary phone number for primary emergency PWS contact

#### **Operator Contact Information**

Name: Full name of primary operator contact for the PWS
Email: Email address for primary operator contact for the PWS

Phone 1: Primary phone number for primary operator contact for the PWS

Phone 2: Secondary phone number for primary operator contact for the PWS

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#### **PWS Status Indicators**

**Source**: Overall status of all sources of supply based on normal operations.

Options: **Normal** System is able to meet demands

**Impaired** Some, but not all, sources have been negatively impacted. System

may struggle to meet demands

Out
All sources have been impacted and no water is available
Unknown
Damage to sources is suspected but sources have not yet been

assessed

Comments: Comments are required whenever the status is not *Normal*. Provide a

brief description of any sources that have been impacted.

**Treatment:** Overall status of all treatment facilities based on normal operations.

Options: **N/A** Not applicable, no treatment

**Normal** Critical treatment

**Limited** Some, but not all, treatment facilities or processes have been

impacted

**Non-Functional** All treatment facilities have been impacted and are offline

Additional: Chemical Supply/Availability Concerns – Yes/No

Is there a concern that treatment will be interrupted due to the

availability of treatment chemicals?

Comments: Comments are required whenever the status is not *Normal* or *N/A*.

Provide a brief description of how the treatment facilities have

been impacted.

**Distribution:** Overall status of the distribution system. Pressure issues, main

breaks, etc.

Options: **Normal** The entire distribution system is operating normally

**Partial Outage** Portions of the distribution system are experiencing low pressure

or complete water outages

**Full Outage** Entire distribution system has lost pressure

Comments: Comments are required whenever the status is not *Normal*.

Provide a brief description of any distribution system issues and/or

disruptions of service.

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Status of communication systems at the PWS, includes landline **Communications:** 

phones, cell phones, internet, radio and other means of

communication.

Options: Normal

All communication systems are operating normally Some communication systems are not available **Impaired** 

Out Complete loss of communication

Comments: Comments are required whenever the status is not *Normal*. Provide a

brief description of any communication issues the system is

encountering.

**Power Issues:** Overall status of any electrical power issues throughout the system.

Options: Normal All water system facilities are operating normally

> **Partial** Power loss at some water system facilities (No Generator) Some water system facilities are operating on emergency power **Emergency**

Complete loss of power at all system facilities No Power

Additional: Fuel Availability concerns - Yes/No

If using a generator, is there a concern about obtaining additional

fuel?

Comments: Comments are required whenever the status is not Normal. Provide a

brief description of the power issues throughout the system.

Water Advisory: Status of potential water quality concerns and the delivery of water

quality advisories to notify consumers.

**Not Necessary** A water quality advisory is not necessary based on current Options:

conditions

Advised by DPH DPH advised system to provide a water quality advisory to

consumers

**Delivered** A water quality advisory was delivered to consumers

Additional: Water quality advisory Start and End Dates

> Indicate when consumers were first notified of the water quality advisory and when they were notified that the water

quality advisory was lifted.

Comments: Comments are required whenever the status is not Not

*Necessary*. Provide a brief description of the advisory that

was delivered and how it was delivered.

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**Significant User Impact:** Status of the delivery of drinking water to significant and priority

users, as defined in the Regulations of Connecticut State Agencies (RCSA) <u>25-32d-3(d)</u>. Refer to the list of facilities that are on the *Critical Water Facilities for Priority Power Restoration List*.

Options: **No** No critical water facilities serving significant users are impacted

**Unknown** An assessment of critical water facilities serving significant users has

not been completed

**Yes** Delivery of drinking water to significant users has been disrupted

Comments: Comments are required whenever the status is not *No*. Provide a brief

description of the significant users and Critical Water Facilities that

have been impacted.

**Physical Damage:** Status of any physical damage to public water system facilities that

may impact the delivery of drinking water.

Options: None No physical damage to any water systems facilities have been

identified.

**Unknown** An assessment of physical damage has not yet been completed at all

water system facilities

Minor Physical damage has been identified at water system facilities but

routine operations have not been impacted

**Major** Physical damage has been identified at water system facilities which

impacts the operation of a facility and its ability to deliver drinking

water

Comments: Comments are required whenever the status is not *None*. Provide a

brief description of the physical damage and its impact on water

system operations.

**Accessibility:** Status of physical access to water system facilities by PWS

personnel.

Options: **Normal** All water system facilities are accessible

**Limited** Some water system facilities are not accessible but there is no

impact to routine operations

**Unknown** Accessibility of water system facilities has not yet been

determined

**Severely Limited** Access to critical facilities is limited and is impacting the

normal operations and the ability to deliver drinking water

Comments: Comments are required whenever the status is not *Normal*.

Provide a brief description of the accessibility issues and how

normal operation have been impacted.

**Resource Staffing:** Status of the workforce available to a public water system.

Options: Normal Workforce has not been impacted

Adequate Workforce has been impacted but an adequate number of critical

personnel are available to maintain routine operations

Not adequate Workforce has been impacted and there are not enough critical

personnel available to maintain most routine operations

Emergency Workforce has been significantly impacted and there are not enough

critical personnel available to maintain critical operations

Comments: Comments are required whenever the status is not *Normal*. Provide a

brief description of the staffing issues and how normal operations

have been impacted.

**Drought Status:** Water supply status of the public water system during drought

conditions. The options are based on the four stages of drought response during drought based emergencies as required in the water

company's Water Supply Plan (RCSA 25-32d-3(d)(10)).

Options: Normal Water supply status has not been impacted by drought.

Advisory The water system has triggered the drought Advisory stage and is

following the appropriate steps in its water supply emergency

contingency plan.

Watch The water system has triggered the drought Watch stage and is

following the appropriate steps in its water supply emergency

contingency plan.

Warning The water system has triggered the drought Warning stage and is

following the appropriate steps in its water supply emergency

contingency plan.

**Emergency** The water system has triggered the drought Emergency stage and is

following the appropriate steps in its water supply emergency

contingency plan.

Additional: Current Reservoir Capacity (%)

Overall system-wide reservoir capacity available.

Comments: Comments are required whenever the status is not *Normal* or *N/A*.

Provide a brief description of the current drought impact and

system's actions in response.

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**Assistance Required:** Indicates that the public water system is in need of outside assistance.

Options: None The water system does not require outside assistance

When Available The water system is need of outside assistance but is still able

to deliver drinking water to significant users

Immediate The water system is not able to deliver drinking water to

significant users and is in need of immediate outside

assistance

Comments: Comments are required whenever the status is not *None*. Provide a

brief description the type of assistance that is required.

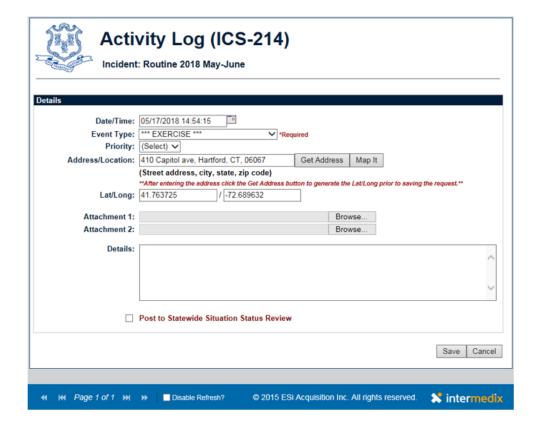
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#### Other Useful WebEOC Boards

#### **Activity Log Board**

The Activity Log Board allows a PWS to document actions taken by personnel in your position during each shift. It is an internal view board only. It allows your agency to track event names and details, event status, contact information, position and name of those reporting, maps of the area, and more.

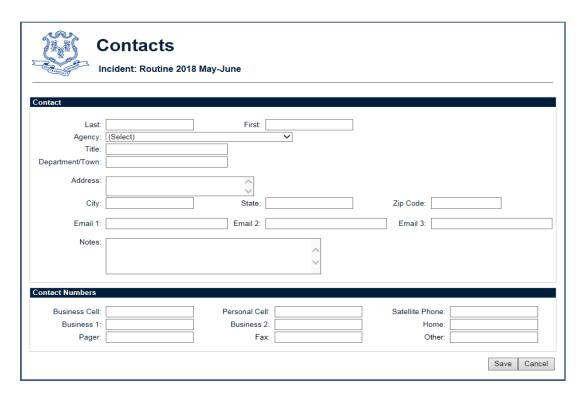
Any posting to this log can be shared on the "Statewide Situation Status" Board. To accomplish that, check the box labeled "Post to Statewide Situation Status" and click Save. The entry will be reviewed by the Duty Officer or other authorized SEOC MAC representative and posted as appropriate.



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#### **Contact List Board**

The Contact List Board allows individuals to self-register their contact information to be included in this system-wide directory. Information that can be recorded for each contact includes: agency (or person) name; telephone, mobile, and pager numbers; physical and email addresses; special notes or comments for the contact; and more. All users are responsible for the accuracy of their own data as this board is not maintained by any one group.



#### **Online Attendance Board**

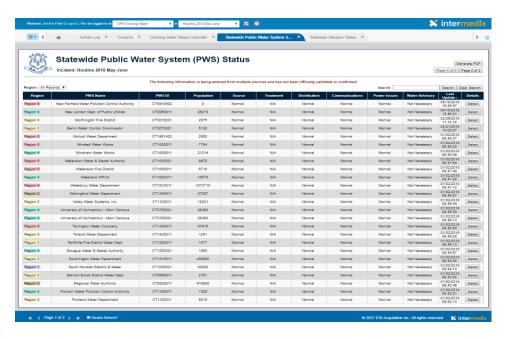
Displays users, by position name, which are currently logged into WebEOC.



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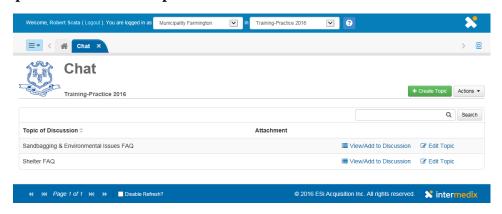
#### **Statewide Public Water System Status**

This board is an at-a-glance table showing the status of every public water system's status during an emergency event. This is a read-only informational board that will give WebEOC users a quick snapshot of PWS Status across the state and will be used to help form a larger picture of the extent of the emergency or disaster statewide.



#### **Chat Room**

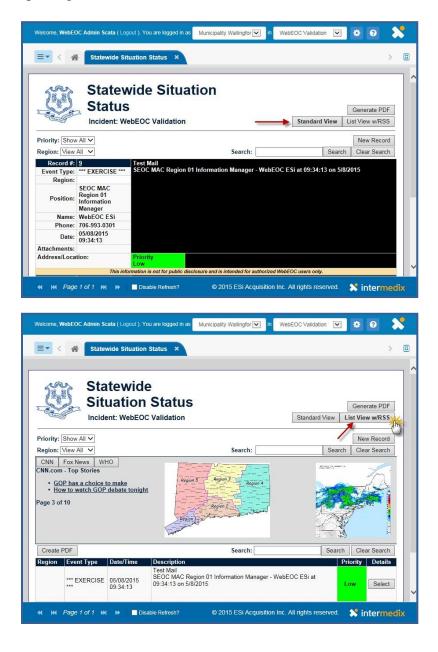
This Board can be used by all WebEOC users to post in a "blog/chat" format on any issues related to emergency preparedness and response. The "Create New Topic" button brings up a data entry screen where the user may note a topic name, include an attachment, and invite specific positions to the topic. **NOTE:** All postings to this board become part of the WebEOC permanent record.



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#### **Statewide Situation Status**

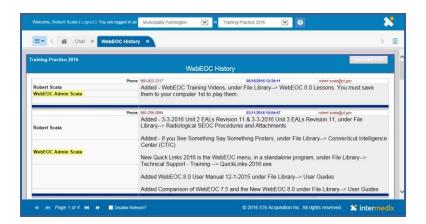
This board gives a statewide snapshot of significant events. DEMHS controls this board and accepts input from state agencies or municipalities. It is setup as a "dashboard" with the current weather, a news scroll, and any significant current events. A municipality or state agency may submit an event for posting using the data entry screen, or by checking the box in an activity log entry. DEMHS will be automatically notified that a new entry exists and staff will review the entry for possible posting.



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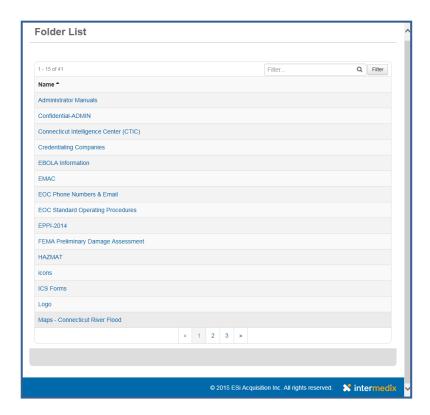
#### **WebEOC History Board**

This board provides a description of any changes that happen within WebEOC for users.



#### File Library Board

This board is where WebEOC users will find helpful documents by category. Hazard- specific procedures and the credentialing ID library can be found here.



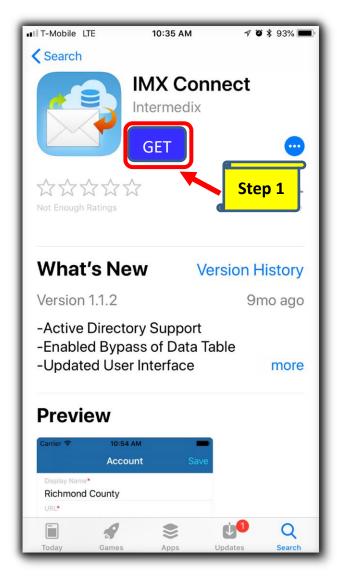
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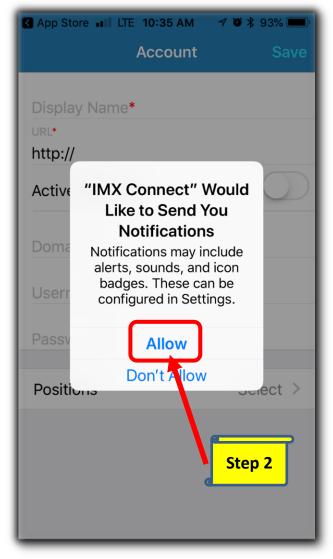
# **Connecticut WebEOC IMX Connect Setup**

IMX Connect is a mobile phone app available on both Android and iPhone. IMX Connect enables you to receive position relevant information notifications on your smart phone. While the pictures used for this guide are from an iPhone, the process is very similar for Android phones. To download IMX Connect, go the App Store application on your phone and search for **IMX Connect**. This should bring up only one option, but if there is more than one option, download the app by **Intermedix**. Note: Data rates may apply.

**Note:** If searching for the IMX Connect App on an iPad select **iPhone Only** in the top left corner.

- **Step 1:** Download the **IMX Connect App**.
- Step 2: Upon opening the IMX Connect App, you will be asked if you would like to receive push notifications. When this message box pops up select **OK**.

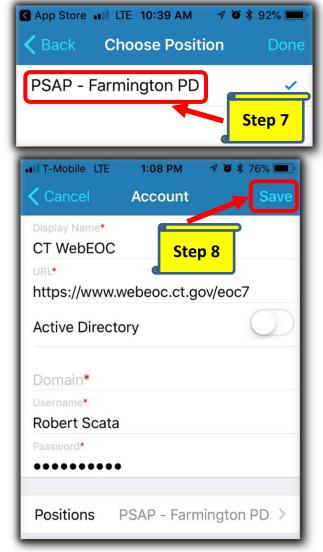




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- **Step 3:** Under Display Name, choose a display name that will be easy for you to identify, such as CT-WebEOC.
- **Step 4:** Under URL, type in https://www.webeoc.ct.gov/eoc7
- **Step 5:** Under Username, type in your full WebEOC username.
- **Step 6:** Under Password, type in the password associated with your WebEOC account.
- Step 7: Tap on the Positions section at the bottom. This will take you to a page with the positions that you are assigned on WebEOC. Select the positions that you will require notifications from during an emergency. When you are finished, click Done.
- **Step 8:** Review the information to ensure that it is correct and then click Save. Once you click save, the app will go back to the main selection screen.





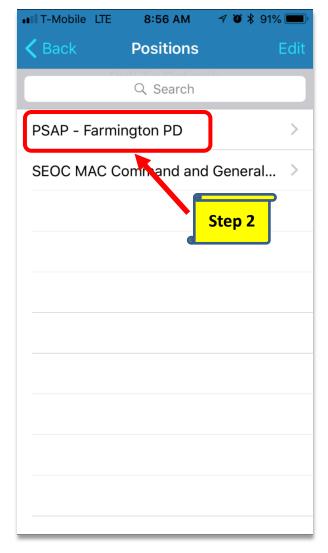
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# **IMX Connect App Instructions**

From within IMX Connect, you can access the full WebEOC application using the new window icon found on the position's notifications page. This capability allows you to quickly log in to WebEOC without requiring you to enter your username and password each time you log in.

- **Step 1:** Click on the **IMX Connect App**.
- Step 2: Choose which position you would like to receive notifications from and which position you would like to be signed in under. After choosing your position, you will be taken to the notification/inbox menu. The position you have signed in under will be in bold at the top of the menu. This is where you can see notifications for your position.





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