

# 2015 Achievement Awards Virginia Association of Counties

## APPLICATION FORM

All applications must include the following information. Separate applications must be submitted for each eligible program. **Deadline: June 1, 2015.** Please include this application form with electronic entry.

### PROGRAM INFORMATION

Locality: \_\_\_\_\_

Program Title: \_\_\_\_\_

Program Category: \_\_\_\_\_

### CONTACT INFORMATION

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Department: \_\_\_\_\_

Complete Mailing Address: \_\_\_\_\_

Telephone # \_\_\_\_\_ Fax # \_\_\_\_\_

E-mail: \_\_\_\_\_

### SIGNATURE OF COUNTY ADMINISTRATOR OR CHIEF ADMINISTRATIVE OFFICER

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Signature: \_\_\_\_\_

## **Overview for Press Releases**

Louisa ICE, a web-based Incident Command Environment, was developed to increase communication effectiveness between command posts, participants and observers during a North Anna Power Station Hostile Action Based (NAPS/HAB) drill in our County. It was expanded further to handle multiple incidents allowing division of resources as needed.

ICE uses both encrypted communications and a secure login to increase communication effectiveness between command posts, participants and observers. The system is comprised of a main screen depicting a Google map with overlays (we used the county boundary), resources (personnel, emergency units, boats, bulldozers, etc), and Incident status with wind speed and direction; a log of update messages in reverse chronological order; and a table of resources (identified by icons and color coded by status – available, en-route, at assignment, etc.). The map and/or the log sections can be split off onto separate windows (these are projected onto the wall in both the Incident Command Post (ICP) and the County's Emergency Operations Center (EOC)). The system allows users to focus on a single incident or display multiple incidents. Units can be moved by clicking and dragging to new locations. Messages can be sent to either: everyone with access to the incident, a specific user or to Command staff only.

## Project Summary for Judges

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The screenshot displays the Incident Command Environment (ICE) web application interface. At the top, there is a navigation bar with the title "Incident Command Environment" and a dropdown menu set to "NAPS Drill 7/8/14". Below the title, there are several checkboxes: "Only?", "Labels?", "Active", "Available", "Alerts", "POI", and "Weather". To the right of these checkboxes are buttons for "Map", "Logs", "Resources", "Incident", "Users", and "Logoff". A "Refresh" section shows "6/1/2015 09:05" and "Refresh: 30 sec" with a "Refresh Now" button. Below the navigation bar is a Google map of Louisa County, Virginia, showing various locations and incident markers. A red arrow points to "Olivers Corner". The map includes a scale of 75% and a "Map" button. On the right side of the interface, there is a panel titled "NAPS Drill 7/8/14" containing a list of resources and a log of incident messages. The resources list includes: DOM-RSA, ICP Command, LCMS, LCSSO-Marine11, Halls, LCIT-01, LCSSO 401, LCSSO-101, VSP-952, Ladder 2, Squad 2, and alert-001. The log shows messages from 12/1/2015 11:36:44 AM to 7/8/2014 11:18:18 AM, including wind reports and incident status updates.

Time	From	To	Message
12/1/2015 11:36:44 AM	dhardy	Everyone	Wind From: ESE 112.5 degrees
10/9/2014 10:03:05 AM	dhardy	Everyone	Wind From: ESE 112.5 degrees
9/8/2014 9:52:07 AM	dhardy	Everyone	Wind From: SW 230 degrees
8/23/2014 7:16:54 PM	dhardy	Everyone	Wind From: ENE 67.5 degrees
7/18/2014 1:31:17 PM	dhardy	Everyone	Wind From: SW 235 degrees
7/8/2014 12:03:24 PM	dhardy	Everyone	Incident Status: Incident Initiated
7/8/2014 11:41:34 AM	dhardy	Everyone	Incident Status: Incident Terminated
7/8/2014 11:25:28 AM	dhardy	Everyone	Wind From: S 180 degrees
7/8/2014 11:20:13 AM	dhardy	Everyone	UPDATE FROM VSP: TAC TEAM COMPLETED SEARCH FROM LOCATION WHERE THREE SUBJECTS WERE DROPPED OFF BY THE BOAT THIS MORNING INTO THE PA. NO ADDITIONAL SUSPTS LOCATED AND IT IS CONFIRMED THAT THEY ARE PART OF THE ORIGINAL 9. ALSO NO ADDITIONAL DEVICES LOCATED
7/8/2014 11:18:18 AM	dhardy	Everyone	Staging area notified to have helicopter simulate response to NAPS reference priority red patient.

## **Synopsis (Challenge, Innovation, Collaboration, Financing, Staffing, Results)**

Emergencies frequently require operations in multiple locations in the County. The main issue with any serious emergency or natural disaster centers around multiple jurisdictions effectively communicating. Specifically any drill or actual emergency involving the North Anna Power Station (NAPS) requires the response, mobilization, and or Emergency Operations Center activation from the Counties of Louisa, Spotsylvania, Orange, Hanover, and Caroline, as well as Dominion and the Virginia State Emergency Operations Center. The ICE system allowed Emergency Managers in all of those entities to track the progress of the emergency response as well as the status and location of requested or responding resources. It also allowed each of those localities to send messages to one another or everyone as a group, including the unified incident command post. In addition, observer access was granted to company executives, decision makers and regulatory overseers so that they could monitor the response progress, better help them to make decisions for the company's emergency response and to prepare public information releases. This specific drill utilized an Incident Command Post (ICP) near the nuclear power station, two staging areas and the County's EOC. Traditional communications (email, texting and radio) do not always reliably relay information to ALL of the correct personnel. Louisa County recognized the problem of inter-county emergency management communications and this system solved that problem 100%.

- The system was developed internally by staff only using HTML, Javascript, Microsoft Access and the Google maps API. ICE can be accessed remotely, with permission-based access for determining allowable actions. Resources can be quickly copied from a resource pool or another Incident in the system. Units can be identified easily on the map or can be moved on the map by clicking and dragging. Site is <https://louweb.louisa.org/ICE> demo username is 'ICE' and password is 'hardy'.

- Development began in the Spring of 2014 and, to date, the system has been used during the Nuclear Power Station pre-drill, the actual drill and several 911 Dispatch issues. There were no outside costs for development. The employee and inter-agency (local, state and federal) benefits were repeatedly noted during the events and at post-drill reviews.
- Louisa County recognized the problem of inter-county emergency management communications and this system solved that problem 100%. A web-based system with both message logging and unit mapping allowed instant distribution of critical information to participants and observers. Quotes from the post-drill review by a FEMA observer: “All of the evaluators (as well as other participants) were very impressed with the use of our computer programs (Everbridge, Louisa ICE and WEB EOC) and how they were being utilized with this exercise. They were especially impressed with the “Louisa ICE” program”.