

Fast Facts: MOVE Community Outreach – An IEEE-USA Initiative

MOVE Community Outreach – an IEEE-USA Initiative is an emergency relief program committed to assisting victims of natural disasters with short-term communications, computer, and power solutions. These temporary emergency relief provisions help those affected stay connected and make sure they can access the help they need. Services include phone charging, internet & communications support, and lighting to disaster victims. Partnering with the American Red Cross, IEEE's U.S. highly-skilled volunteers provide this technical assistance via a **Mobile Outreach VEHICLE** which is accessible during a disaster.

When not deployed for natural disasters, MOVE volunteers conduct community outreach and learning opportunities for students and the general public in the areas of Science, Technology, Engineering and Math (STEM). They have been as far west as Texas, and as far north as New York to get students excited about STEM.

The MOVE Community Outreach Truck

A major component of this initiative (in addition to IEEE's member volunteers) is the MOVE Community Outreach Truck, which went into service in March 2016. The vehicle was deployed for disaster relief 8 weeks in 2016, aiding in 5 disaster situations. In 2017, MOVE responded to 2 Hurricanes and historic flooding by October. It was also used as a command center to help prevent loss of life, by the American Red Cross and their "Sound the Alarm" community smoke alarm installation program



Notable 2016 events/deployments:

- May: Red Cross Home Fire Campaign in North Carolina
- June-July: Flooding in West Virginia
- August: Flooding in Louisiana
- August: Hurricane Hermine in North Carolina
- September: Red Cross Home Fire Campaign in North Carolina
- October: Hurricane Matthew in Florida and North Carolina
- December: Tennessee Wild Fires

In 2017, the team has aided in 3 disaster relief deployments as well as multiple public visibility and STEM outreach events:

- March: Atlanta Science Festival (3 days)
- May: Missouri Flood Relief (2 weeks)
- July: National Scout Jamboree (West Virginia)
- August: Solar Eclipse: Red Cross and Western Carolina Regional Airport communications outage
- August/September: Hurricane Harvey (Houston, TX)
- September: Hurricane Irma (Florida)

MOVE truck capabilities include:

- Environmentally controlled office space for 7 people
- High speed satellite uplink to provide WiFi internet access
- High speed managed network switch for wired networks
- Wireless Access Points for office or field site support
- 10 kW generator
- 900 W solar panel array for recharging on-board batteries
- Ethernet, IP telephone, Videoconferencing
- Direct TV™ link for news, weather, etc.
- Recharging capability for 100 simultaneous battery banks
- Ability to transport equipment between locations

More Information:

Website: <http://move.ieeeusa.org>

Donate: <http://move.ieeeusa.org/help/donate>

Facebook: <https://www.facebook.com/ieeeusamove>

About IEEE

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Contacts:

- **David Iams**, Sr. Manager, Career and Professional Activities, IEEE-USA
Phone: 202-530-8374, Email: d.iams@ieee.org
- **John Yaglenski**, Director Communications & IT, IEEE-USA
Phone: 202-530-8359, Email: j.yaglenski@ieee.org