

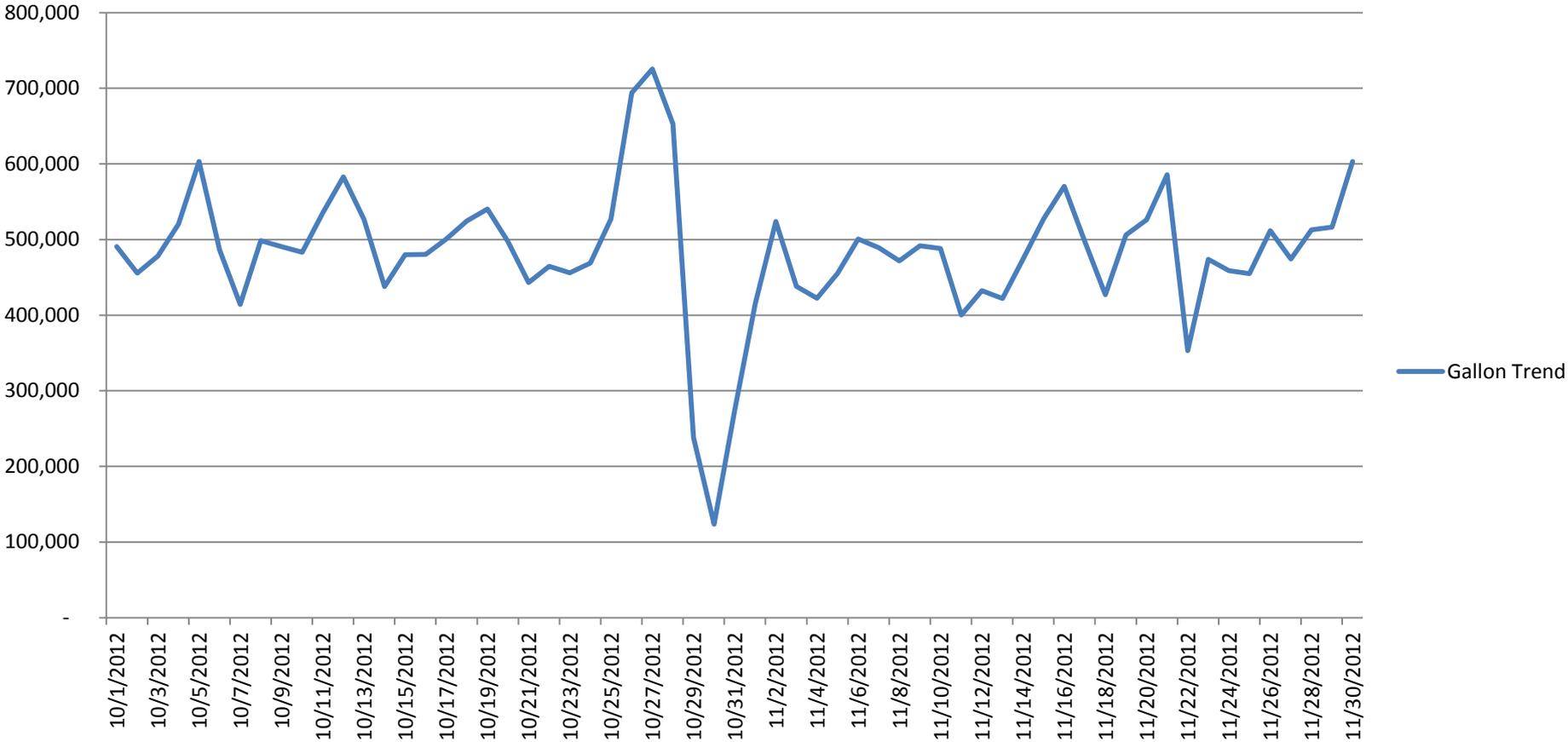
# A Fuel Retailer's Perspective on Hurricane Preparedness



# Sites impacted by Hurricane Sandy



### Gallon Trend





# Gas Canopy Wind Load Design



- CT, MA, NH and ME 110 / 120 MPH coastal and 100 MPH interior
- VT and RI who have adopted 2012 IBC the wind speeds have now increased to 140 / 150 MPH Coastal and 120 MPH interior
- Great New England Hurricane in 1938 peak gust to 186 MPH was recorded.
- Hurricane Carol wind gusts to 135 MPH –Providence RI experienced 125 MPH winds
- Hurricane Bob produced sustained winds of 100 MPH with a peak gust to 125 MPH

*\* Snow load requirements in New England range from 25 PSF to 80 PSF*

# Fuel Contamination



- Gasoline can only absorb up to .5% water by volume before phase separation will occur.
- Contaminated fuel must be removed from underground storage tanks.
- Residual water must be pumped, tank bottom cleaned, lines purged and dispenser filters changed before resuming operation.



# Storm Preparation



- Engage Emergency Management Team
  - Representatives from Operations, I.T., Distribution, Risk Management, Compliance, and Facilities Maintenance
  - Establish Communication Protocol

- Deploy Generator Fleet
  - Secure Additional Rental Generators



- Site Preparation
  - Secure Equipment
  - Wrap Dispensers
  - Inspect Gas Fills and Manways
- Service Providers Placed on Notice

# State of Emergency / Road Closures



**STATEWIDE TRAVEL BAN – EFFECTIVE AT MIDNIGHT:** Governor Baker has signed an Executive Order allowing for the enforcement of a statewide travel ban effective at midnight. The following exceptions shall exist for the ban and all drivers are encouraged to remain safe and use their best judgment:

Essential emergency response professionals

Medical, healthcare and human service workers, including shelter personnel

Essential public transit and support workers

Public and private personnel supporting public works and utility operations

Essential state employees

Those traveling for essential medical procedures

Vehicles and personnel delivering essential supplies to healthcare facilities

## GOV. MALLOY ORDERS ROAD CLOSURES

No Trucks Allowed into State After 11AM; Complete Road Closure at 1PM

(HARTFORD, CT) - Governor Dannel P. Malloy today ordered road closures for all state highways. The closures will be implemented in two phases. At 11:00 A.M., trucks will be prohibited from operating on limited access highways. At 1:00 P.M., state highways will be closed to all non-emergency related vehicles.



# Recovery Efforts

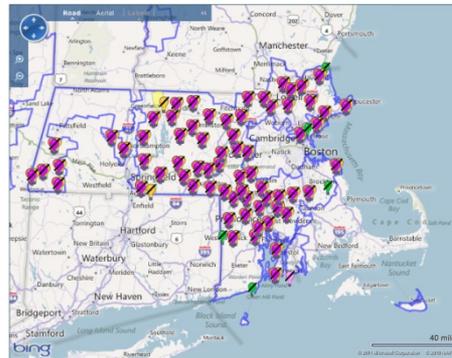
- Damage Assessment

- Structural Engineers
- Electricians
- General Contractor
- Haz-Mat Agencies



- Site Prioritization

- Safety
- Power / Communication
- Work Force
- Site Volume / Physical Plant
- Inventory Availability



- Power Restoration

- Communication with Utilities Regarding Anticipated Duration of Outage



# Q & A

Tom Cacciola

V.P. Facilities Maintenance

[tcacciola@cumberlandgulf.com](mailto:tcacciola@cumberlandgulf.com)

Office: 508-366-4445 Ext. 5574

Cell: 617-699-7132