WHAT YOU DON'T KNOW ABOUT NATURAL DISASTERS

BUT SHOULD

John A. Miller, PE, CFM, CSM
Associate; Water Resources Engineer
Princeton Hydro, LLC;
Legislative Chair, New Jersey Association for Floodplain Management
John A. Miller @jamiller45 · May 28
Looking forward to Plenary next Thursday at #ASFPM2014. I'll be sharing Raw #NJ #Sandy experience; bringing traffic cones/threatening to use
“Time for some traffic problems in Fort Lee”
Sandy six months on. Let's continue to enhance resilience and not become a case study on how to do better next time. Leadership counts.
WHAT YOU DON'T KNOW ABOUT NATURAL DISASTERS

Retweeted by John A. Miller

Todd B. Bates @ToddBBatesAPP • 2 May 2013
RT @asburyparkpress: Photo from the scene: Removing Mantoloking house from the Barnegat Bay (Thomas P. Costello...pic.twitter.com/0mU8HFcSRh
John A. Miller @jamiller45 • 10 May 2013
Be careful rebuilding. NJDEP flood rule allows wet floodproofing, but FEMA and UCC only for parking, building access or limited storage.

John A. Miller @jamiller45 • 13 May 2013
NJDEP flood rule silent on V-zone. Be sure lowest horizontal structural member is above Base Flood Elevation or pay more for insurance
WHAT YOU DON'T KNOW ABOUT NATURAL DISASTERS

John A. Miller @jamiller45 • 16 May 2013

NJ now third ($4.7 billion) with flood insurance claims paid dollars since 1978. Only LA ($16.6 billion) and TX ($5.5 billion) ahead. NY #4
WHAT YOU DON'T KNOW ABOUT NATURAL DISASTERS

John A. Miller @jamiller45 • 21 May 2013
Ocean City NJ $3.9 billion flood insurance exposure: top in NJ. Also Class 7 in Community Rating System; aggregate saving $1.7 million/year

John A. Miller @jamiller45 • 22 May 2013
Pompton Lakes NJ first Northeast US community with Class 5 #CRS rating. Policyholders saving $373 per year on individual #flood #insurance
No debate by private #insurance on increasing risk due to sea rise and stronger storms If government won't #regulate, they increasingly will
New slogan on billboard "New Jersey - stronger than the storm" thanks in large part to federal taxpayer including paying for ad campaign.
Today starts the Atlantic #Hurricane Season. Take what you learned in #Sandy and #Irene while fresh and make a plan. It could save lives!
WHAT YOU DON'T KNOW ABOUT NATURAL DISASTERS

John A. Miller @jamiller45 • Jun 2
Head to DC tomorrow: meet with WH CEQ, attend WRDA briefing and meet with Sandy Rebuilding TF at HUD. Sharing state and local experience.
WHAT YOU DON'T KNOW ABOUT NATURAL DISASTERS

John A. Miller @jamiller45 • Jun 28
#S2680 building on #piers legislation going to #Governor #Christie's desk. V-zones are off limits for a reason. Please #veto the bill.
WHAT YOU DON'T KNOW ABOUT NATURAL DISASTERS

John A. Miller @jamiller45 • Jul 12

Does NJ have proper licensing of elevation contractors? Little Egg Harbor house collapse: http://on.app.com/1btbJwH via @AsburyParkPress

A house that was being jacked up at 3 Kansas Road in Little Egg Harbor Township collapsed Wednesday evening. THOMAS P. COSTELLO/Staff photographer
WHAT YOU DON'T KNOW ABOUT NATURAL DISASTERS

John A. Miller @jamiller45 • Jul 23
Good coverage on #NJ's #recovery. 9 months post #storm, we are evolving into a "missed opportunities" case study. http://www.njspotlight.com/stories/13/07/22/post-sandy-recovery-a-delicate-balance-between-regional-planning-and-home-rule/?p=1#

Retweeted by John A. Miller
Sarah Watson @BySarahWatson • Jul 25
Great video by @starledger's Ledger Live asking the question: Is NJ screwing up the Sandy rebuild? http://videos.nj.com/star-ledger/2013/07/video_is_new_jersey_screwing_u.html ...
WHAT YOU DON'T KNOW ABOUT
NATURAL DISASTERS

John A. Miller @jamiller45 • Jul 26
Preparing for risk and prioritizing adaptation make good business sense. Resilient businesses sustain local economies

John A. Miller @jamiller45 • Aug 5
Buildings are designed for people's use; "strong" buildings must not trump risk to the public and first responders.
http://www.nj.com/politics/index.ssf/2013/08/piers_development_bill_christie_new_jersey.html ...
WHAT YOU DON'T KNOW ABOUT NATURAL DISASTERS

John A. Miller @jamiller45 • Aug 8

Join me on #HuffPost Live tomorrow at 10:45. Our panel covering #flood #mitigation & #adaptation in #NY & #NJ. http://live.huffingtonpost.com
John A. Miller @jamiller45 • Aug 8
Accepting a voluntary #buyout is not giving up; its restarting #safer, anew. http://www.wnyc.org/articles/new-jersey-news/2013/aug/08/buy-out-dilemma-rebuild-or-pull-stakes/...
Decision on Pier Bill S2680 due on Monday. If signed, what will FEMA do? Suspend entire state or only municipalities that adopt ordinances?

I cheer Governor Christie tonight for vetoing the Pier Bill (S2680); thank you for doing the right thing. Tomorrow reflection on Sandy TF.
John A. Miller @jamiller45 • Sep 23
On call this evening with Colorado flood chapter. They want to learn from our Sandy experience and we want to help our friends out west.
John A. Miller @jamiller45 • Oct 1

11 months post-#Sandy #NJ #Flood Regs still non-compliant with #NFIP #standards in wet floodproofing and V-zone elevations. Where's #FEMA?
Many forums this anniversary of Hurricane Sandy. Use of the term "resilience" ubiquitous; case studies of this in practice, not so much.
WHAT YOU DON'T KNOW ABOUT
NATURAL DISASTERS

John A. Miller @jamiller45 • Oct 19
David Conrad, many yrs on #CapitolHill at NJAFM Conf.
"Louisiana's delegation gets that it’s a #flood state. I’m not
sure about New Jersey"
WHAT YOU DON'T KNOW ABOUT NATURAL DISASTERS

John A. Miller @jamiller45 • Oct 19
Latest #NFIP #Flood Stats: #3 #NJ at $5.37 B less than $200 million away from #2 #Texas at $5.55 B in flood claim dollars since 1978. Scary!
John A. Miller @jamiller45 • Oct 22
#Sandy Issue #1 NJ Local Floodplain Administrators key to public safety/rebuilding are not required to have base training. WV, NM, OK AR do
WHAT YOU DON'T KNOW ABOUT NATURAL DISASTERS

Retweeted by John A. Miller

CASFM @CasfmOrg • Oct 21

Huge thanks to professional family at @TexasCFM & @FloodsOrg & #NJFMA for helping us be #MountainStrong after #cofloods
John A. Miller @jamiller45 • Oct 24
#Sandy Issue #3 #NJ #Municipalities adopt standards like #freeboard over one foot. Sea Bright, Monmouth Beach and Longport trendsetters.

John A. Miller @jamiller45 • Oct 26
#Sandy Issue #5 Where's the regional #planning + planning in general? Is the threat to home rule overpowering the risk from natural hazards?
John A. Miller @jamiller45 • Oct 27
#Sandy Issue #6 Got sea level rise? #NJ does, bad. Not political; it's about the state's future. Adding one foot of #freeboard won't cut it.

John A. Miller @jamiller45 • Oct 28
#Sandy Issue #7: Is #NJ ready to admit it is a #floodprone state - that our landuse has become unmanageable? Ready for new code of behavior?
John A. Miller @jamiller45 • Nov 10
Sales down because of flood insurance rates? How about resale hurt by fact that house is at flooding risk? Lowering rates won't lower risk.
Chronic #flooding in Atlantic City. Today, just discussion at #njleague Conference at 3:45; many days in NJ stark reality. NJ #3 flood state

I'm at #njleague with theme: Navigating Recovery & Renewal; with our chronic #flooding, do we have the political will to change our habits?
it’s hard for someone whose job is more of a manager of shorter-term issues to think decades or half-centuries ahead.
http://goo.gl/l4FHSV
Much anticipated #Sandy #FEMA Mitigation Assessment Team report online: http://www.fema.gov/media-library/assets/documents/85922 ... See 7.3.1 on what in #NJ needs attention.
Hear the #reinsurance voice in the #flood #insurance delay and #climate change denial rowdy crowd? Inaction now; "we told you so" later.
John A. Miller @jamiller45 • Dec 13
Well done @Starledger Editorial Board on National #Flood Insurance Program reform and affordability:
http://blog.nj.com/njv_editorial_page/2013/12/ease_flood_insurance_programs.html ...
Denial of climate change and sea level rise conservative? That would mean building without factors of safety. Not conservative but reckless.
John A. Miller @jamiller45 • Dec 20
Way to go Gov. @ChrisChristie, your Administration, @USDA-NRCS and Mayor Bowman on this #flood buyout partnership in #Cumberland County, #NJ
WHAT YOU DON'T KNOW ABOUT NATURAL DISASTERS

Retweeted by John A. Miller
Sarah Watson @BySarahWatson • Dec 21
Raising home via state rules may not meet flood insurance rules & state layers of red tape may be confusing:

Retweeted by John A. Miller
Sarah Watson @BySarahWatson • Dec 23
John A. Miller @jamiller45 • Dec 25
Let's remember the families who have no home for #Christmas for a second year after #Sandy. #Resilient #recovery means sustained merriment.
John A. Miller @jamiller45 • Jan 24

#FEMA Community Rating System - where being low class has benefits. Not getting #flood policy discounts? Join this "good driver" program.
John A. Miller @jamiller45 • Jan 31
Helped daughter and mom homeowner with 2005 #FEMA buyouts in #NJ. She keeps phone number in purse and called me recently to say thank you.
John A. Miller @jamiller45 • Feb 3
#NewJersey #CDBG Action Plan "Many residents [in repetitive flood] communities have expressed a preference for buyouts..." Page 3-4
John A. Miller @jamiller45 • Feb 22
My apologies on behalf of #NJ to #FEMA employees after Gov. #Christie remarks on Thurs. You have multiple times sent aid, money and staffing

John A. Miller @jamiller45 • Feb 24
Governor #Christie calling @fema "the new F-word" really not new. Bloomberg last August: http://go.bloomberg.com/political-capital/2013-08-27/christies-new-f-word-fema/ ... This is helping New #Jersey?
WHAT YOU DON'T KNOW ABOUT NATURAL DISASTERS

John A. Miller @jamiller45 • Feb 28
#FEMA Community Rating System #CRS saves #NJ #flood policy holders $25 million per year. This is 11% of annual premiums. Not in CRS? Why?
John A. Miller @jamiller45 • Mar 6
Taking R&R-heard report out with #Passaic Tunnel option that's bigger than Chunnel between France & UK. Go non-structural/select structural.

John A. Miller @jamiller45 • Mar 9
If Keystone Pipeline is XL then the #Passaic #Flood #Tunnel is XXXXL. Read Commission Report - we recommended other viable actions ongoing
WHAT YOU DON'T KNOW ABOUT NATURAL DISASTERS

John A. Miller @jamiller45 • Mar 14
Speaking w/Gov Florio and panel at #njforum14 on integrating #risk into decision making. Elected officials need to consider his/her legacy.
John A. Miller @jamiller45 • Mar 25
Just in to me from #FEMA HQ: #NFIP premiums since 1978 to 2013 is $3.1 billion to claims paid $5.4 b. Do away w/NFIP? NJ looses 174% return.
WHAT YOU DON'T KNOW ABOUT NATURAL DISASTERS

Retweeted by John A. Miller

derekroseman @thederekroseman • Apr 6
Very cool to read @jamiller45 in today's @nytimes Real Estate section re flooding and rebuilding at the Jersey Shore. #iknowthatguy

Retweeted by John A. Miller

John A. Miller @jamiller45 • Apr 13
Wayne tops in #NJ #flood damages; also mitigation leader: Mayor Vergano has vision
http://www.njspotlight.com/stories/14/04/10/repetitive-losses/ ... Thanks @thederekroseman for spot
WHAT YOU DON'T KNOW ABOUT NATURAL DISASTERS

John A. Miller @jamiller45 • Apr 17
Joining @senatormenendez next Thursday in Brick #NJ to promote #FEMA CRS to boost protection of lives/property + flood insurance discounts

John A. Miller @jamiller45 • Apr 23
#NJ reporters in @TownshipofBrick for @GovChristie's town hall tomorrow, get lunch then join @SenatorMenendez and me: http://www.njslom.org/letters/2014-0417-FEMA-CRS.html ...
Applause for Blue Acres and the Christie Administration for recognizing that buyouts are best for most #floodprone: http://www.nj.gov/dep/newsrel/2014/14_0029.htm ...
Retweeted by John A. Miller

[Mayor] Steven Fulop @StevenFulop • Apr 25

Regarding Hurricane Sandy: "it's an opportunity to coordinate efforts with our neighbors...resiliency is a dollar well spent"

@RegionalPlan
John A. Miller @jamiller45 • Apr 26
Looking up in #UnionBeach, #NJ. Case study in progress w/ vacant lots, existing and new home elevations, V & A zones.
pic.twitter.com/P8ZA5crKs3
WHAT YOU DON'T KNOW ABOUT NATURAL DISASTERS

John A. Miller @jamiller45 • Apr 29
18 months post #Sandy: reflecting for #flood talks in New Hampshire, Seattle and Rhode Island. National interest in #NJ response continuing

John A. Miller @jamiller45 • Apr 29
On this 18 month mark post #Sandy landfall, #Nj #flood #insurance claims paid at $5.5 bil only $76 million behind #TX; #NY next at $5.0 bil
OK people, please don't drive through #flooded road. Turn Around - Don't Drown. Not fan but listen to Supertramp "take the long way home"

#NJ experienced 10% annual event rainfall (10-year return period) causing top ten #flood event on Raritan River: shows NJ's vulnerability
WHAT YOU DON'T KNOW ABOUT NATURAL DISASTERS

John A. Miller @jamiller45 • May 8
Local #NJ official stuck w/refereeing what rules apply to #Sandy rebuilding? http://www.njspotlight.com/stories/14/05/08/sandy-survivors-rebuilding-to-state-standards-may-violate-federal-flood-insurance-rules/ ... #NJDEP warned by @FEMA and @FEMARregion2

John A. Miller @jamiller45 • May 8
Lack of #NJDEP compliance with @FEMA #NFIP covered by @scottgurian on @WNYC: http://www.wnyc.org/story/nj-flood-zone-building-rules-conflict-fema/ ... Higher #flood insurance; #usings taxpayer$
Catastrophes like #Sandy yield suffering but also catalysts for change. Post Sandy multiple examples of #sealevelrise in planning and design.
• Return to Normalcy > Future Resiliency
• Special Interests Take Advantage of Situation
• Every Disaster Resets Policy – Start from Scratch
• Events non-Disaster Related Disrupt Recovery
• It’s A Lot of Work to Influence the Process