

## PMTurkeyCOLPEM Resource

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**From:** Franzone, Steve [Steve.Franzone@fpl.com]  
**Sent:** Thursday, August 27, 2015 12:25 PM  
**To:** Comar, Manny  
**Cc:** TurkeyCOL Resource; Maher, William; CHILDRESS, ELWOOD  
**Subject:** [External\_Sender] RE: Revised write-up

The two questions from the staff are paraphrased as follows:

- Provide the results of the edge and corner impacts of aux building walls
- Demonstrate the adequacy of the roof slabs subject to hurricane missile impact

Manny

Here is Westinghouse's initial response for the staff's questions. Please let me know if we still need a clarification call.

"For the first question, the results of edge and corner missile impacts on Aux building walls is presented in Table 6 of the TPG-GW-GLR-002, Rev. 2 report, "Supplement toRAI-6544"

For the second question, the story for vertical hurricane loads is as follows:

- The DCD presents tornado wind speed and missile spectra that are specified for the design of safety-related structures in Tier 1 Table 5.0-1. Vertical Tornado speed is noted as 74 mph.
- Reg. Guide 1.221 presents hurricane wind speed and missile spectra, including specifying the vertical hurricane missile velocity as 26 m/s (equal to 58 mph).
- The response to RFI 282[internal reference] presents the vertical kinetic energy from the AP1000 design tornado missiles in Table 2-1a and the Turkey Point 6 and 7 hurricane missiles in Table 2-1b.
- A comparison of the vertical kinetic energies from the tornado missiles shows that the AP1000 design tornado missiles bound the kinetic energies of the Turkey Point 6 and 7 hurricane missiles. The AP1000 design is adequate for vertical Turkey Point hurricane loads.
- (Even though missile #2 in each table is different, the kinetic energy of the AP1000 design tornado missile is more than 1.5 times that of the Turkey Point 6 and 7 hurricane missile )"

Any questions, please call.

Thanks

Steve Franzone

NNP Licensing Manager - COLA

"The most important key to achieving great success is to decide upon your goal and launch, get started, take action, move." ~ Brian Tracy

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**From:** Comar, Manny [mailto:Manny.Comar@nrc.gov]

**Sent:** Wednesday, August 26, 2015 10:34 AM

**To:** Franzone, Steve

**Cc:** TurkeyCOL Resource

**Subject:** Revised writeup

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Steve:

Revised writeup for the review.

Thanks

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