

Section 11.2.5.F.3 & 6:

3. Setbacks

A new tower approved for mitigation of an existing tower shall not be required to meet new setback standards so long as the new tower and its equipment compound are no closer to any property lines or dwelling units as the tower and equipment compound being mitigated. The intent is to encourage the mitigation process, not penalize the tower owner for the change out of the old facility. (For example, if a new tower is replacing an old tower, the new tower is permitted to have the same setbacks as the tower being removed, even if the old tower had nonconforming setbacks.)

4. Breakpoint Technology

A newly mitigated monopole or lattice tower shall use breakpoint technology in the design of the replacement facility.

5. Buffers

At the time of mitigation, the tower equipment compound shall be brought into compliance with any applicable buffer requirements.

6. Visibility

Mitigated antenna-supporting structures shall be configured and located in a manner that minimizes adverse effects on the landscape and adjacent properties, with specific design considerations as to height, scale, color, texture, and architectural design of the buildings on the same and adjacent zoned lots.

TEP response:

3. Setbacks:

A statement that the proposed tower will have a designed fall radius that meets the existing tower setbacks is enclosed. Proposed fall zone to be indicated on Site Plan.

6. Visibility:

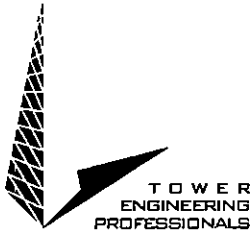
Proposed tower is a direct replacement for existing tower and will not have adverse effects on the landscape and existing properties.

Section 11.2.8.B:

1. Technical Report

The new tower is proposed to replace the existing, aging tower with a newer similar type tower that will extend the service life of the existing facility.

2. Technical Data for report above by PE



- Per item #1 above, this site is a replacement tower for an existing tower facility.
3. Owner permission
Duke Energy is the current tower owner and is participating in the application process. If more information is needed, Duke Energy could provide it.
 4. RF emission and exposure compliance
All existing & proposed antennas comply with FCC standards. A letter from Duke stating compliance is enclosed along with applicable licenses.
 5. Structural analysis - provided
 6. Locating alternatives - provided
 7. Potential visual and aesthetic impact
New tower is a direct replacement for existing tower and will not have adverse visual and aesthetic impact. Please refer to Construction Drawings, Revision 2, dated November 1st, 2018.
 8. Structural fail modes – need fall zone radius
A statement that the proposed tower will have a designed fall radius that meets the existing tower setbacks is enclosed. Proposed fall zone is indicated on Site Plan.
 9. Sound statement
There will be no change to existing sound emission levels.
 10. Search Ring map
Per item #1 above, this site is a replacement tower for an existing tower facility and to keep the current coverage for Duke Energy
 11. Handoff candidates
Per item #1 above, this site is a replacement tower for an existing tower facility and to keep the current coverage for Duke Energy
 12. Coverage maps
Per item #1 above, this site is a replacement tower for an existing tower facility and to keep the current coverage for Duke Energy
 13. Justification (see 12)
See response above in item #12
 14. Survey
Duke Energy to provided Survey. Survey is enclosed
 15. Signed and Sealed plans - provided
 16. Title Report
See response above in item #14
 17. List of adjacent property owners, keyed to map
Adjacent property owners are included on sheet C-1 of the Construction Documents.
Mailing labels enclosed with notarized Certification letter.



18. Photo simulations

Per item #1 above, the proposed tower is a direct replacement for existing tower and will not have any additional adverse visual and aesthetic impacts that are not already present with the site.

19. Other documentation – N/A

If you have any questions feel free to contact me at my direct number: (919) 703-4129, or correspond at the email address shown below.

Sincerely,

A handwritten signature in black ink, appearing to read "J. Goins", is written over the word "Sincerely,".

John Goins, P. E.

Tower Engineering Professionals, Inc.