

## Proposal submittal checklist — Wireline attachment

Proposal will be considered complete and accepted for an engineering review when all of the applicable information is received. This is NOT an approval to proceed with attachments. WPS standards are subject to change.

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**Completed permit application** (Form B)

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**Site map — Must include the following:**

- SPANS ID number.
- Legend/north arrow; riser detail north arrow should match page orientation.
- Cross streets labeled.
- Streets labeled with highway designation (i.e., STH, CTH, municipal, private, etc.).
- Pole numbers (WPS pole number tag; if no tag, list "NT" and SPANS ID number).
- Show only poles being attached to; may need to include reference poles and connections to other permits.
- Critical crossings labeled (e.g., railroads, waterways (include NESC clearance used), highways, transmission lines, driveways and field entrances).
- Rights of way clearly shown and identified (where applicable).
- Must have proposed guying (with lead lengths) and riser placement details labeled in detail. Show any other existing risers and vertical bond location if present.
- Span lengths.

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**Pole profile sheets — Must include the following:**

- Ambient temperature and date when measurements were taken.
- Pole tag number from field or pole view (if no tag, list "NT" and SPANS ID number).
- Pole height and class.
- Measured height of lowest WPS conductor(s) and drip loops (if present) at each pole.
- Measured height of power equipment if present (i.e., transformer, load break switch insulator, riser, etc.).
- Measured height of roadway light fixture (if present), along with bonding status clearly indicated and drip loops measured height recorded.
- Company name and measured height at pole of all existing communication attachments on pole.
- Measured mid-span (lowest point) of lowest power conductor and all existing communication lines in the span (raised crossing may also need to be reflected as a separate measurement on sheet).
- Pole profile forms for adjacent poles with communication attachments.
- Sag profile results for lowest WPS conductor loaded to worst-case conditions showing calculations and mid-span clearances to top communication line (see Note 2).
- Sag profile results for lowest communication line (see Note 2) for worst-case mid-span ground clearance calculations (this includes service drops).
- Supporting sag information.
- For critical water crossing, list NESC clearance rule used. If permit required for rail or navigable water, list the required permit height.
- All measurements must be in feet and inches from the ground.
- Multidirectional attachments should be shown using cardinal directions (north, south, east, west).
- Identify all existing risers and proposed riser locations and vertical bonds in top view; for proposed risers, all equipment on pole should be noted, including guying unless reflected in another detail.
- Identify all existing and proposed guying, including lead lengths, guy wire type and anchor type.
- Provide conductor tensions for all pole attachments and ruling span used.
- Provide clearance calculations and confirm compliance for all NESC-required clearances.
- Proposed make-ready height adjustments should be reflected next to existing heights.
- All proposed make-ready described clearly. If requesting a pole be replaced or existing facilities rearranged, provide "as-is" and "post make-ready" clearance calculations.

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**Five photos — Attach to pole page**

- High-resolution digital photos 5MP minimum (do not convert to PDF), each labeled with WPS pole number or SPANS order entry number.
- Photo 1: Facing direction of the route
- Photo 2: Facing the pole head on
- Photo 3: Facing away from the route
- Photo 4: Incoming span to cover the mid-span (include both poles)
- Photo 5: Outgoing span to cover the mid-span (include both poles)

- An additional photo is required if a riser is installed on back of pole (sixth photo if applicable).
- Photos need to be taken within the previous 12 months and not more than a year old.



**Pole loading calculations**

- Pole loading results for each pole along with a group summary for existing and any new poles.
- OCalc- and SpidaCalc-approved systems for analysis.
- Provide calculations to confirm a pole meets all NESC-required pole strength requirements at the appropriate grade of construction.
- Power tensions should use electric company max tension sag charts.
- Communication service drops should be included in the analysis with 50 lbs. tension.
- Span or pole guys should reflect transferred load that's supported.
- If requesting a pole be replaced or existing facilities rearranged or other failures, provide "as-is" pole strength calculations as well as the "post make-ready" pole strength calculations.
- Include an exports of poles in a zip file or attach export to each pole with photos.



**Make-ready form listing all poles being attached**

(mark N/A if no make ready under each entity)

- Must identify all names of all companies currently attached.
- Must have the name of the project listed.
- Must include complete description of all make-ready that is required (see Note 3).
- Must include any anchor/guying failures and propose correction.
- Must identify pole owner as Power (P) or Foreign (F).



**Applicable proof of entry (see Note 1)**

- Railroad crossing permit.
- Water crossing permit.
- Right-of-way permit.
- Private property access/easement/land rights (needs to be tied to map).



**Payment confirmation — please note in SPANS and submit either of the following**

- Copy of SPANS confirmation page if paid online at [www.we-energies.com/payconstructionbill](http://www.we-energies.com/payconstructionbill).
- Note indicating check was mailed to: Attn: Essential Services – A299, We Energies, PO Box 2046, Milwaukee WI 53201-9627. The pink envelope needs to reference SPANS proposal number.

Note 1: The company will review the submitted proof-of-entry documents based on the sketch provided. The proposal will be rejected if it is found during the engineering review that additional proof-of-entry is required.

Note 2: These calculations may be done on the existing communication facility. If the proposed attachment is the uppermost or lowermost communication attachment, the calculations should be done for the proposed attachment.

Note 3: Minimum pole replacements height/class 40'-5 for single phase and 45'-3 for three phase.