



## PPL Right of Way Use Guidelines

This list of Right of Way Use Guidelines addresses the most common requests received by PPL Electric Utilities Corporation (PPL). It is not exhaustive and does not address all restrictions and possible situations. This list is intended to protect PPL's ability to operate and maintain its facilities without interference consistent with its right of way rights; to reduce the risk of damage to PPL facilities; to allow unencumbered access to PPL right of way; and to protect the safety of the public and utility line workers. This list is subject to change at any time and without notice. This list and allowing encroachments in no way waives any of the rights PPL reserved in the right of way grants applicable to each property. All proposed activities within the PPL transmission right of way shall be reviewed by the Transmission Right of Way Department and approved in writing prior to any activities within the right of way. PPL requires that property owners submit the attached encroachment application and applicable fee with the required documentation before the review process will begin. Contact the Transmission Right of Way Department with any additional questions concerning the rights of way. It is the Applicants responsibility to apply to other utilities that may exist within the right of way.

Topic	Design Criteria
<b>Burning</b> - yard waste, bon fires, etc.	Not permitted
<b>Debris/Waste</b> - including piles, landfills, refuse and garbage etc.	Not permitted
<b>Decks</b> - above ground	Not permitted
<b>Decks and Patios</b> - at grade	<ul style="list-style-type: none"> <li>• May not violate NESC, OSHA and PPL clearances as determined by PPL, pose a safety concern, inhibit access or otherwise effect PPL's use of the right of way.</li> <li>• Vertical elements may not exceed 3 feet above grade.</li> <li>• No roofs or permanent awnings permitted.</li> <li>• May not extend more than 15 feet into the right of way.</li> </ul>
<b>Driveways</b>	<ul style="list-style-type: none"> <li>• Must not be located closer than 25 feet to PPL facilities.</li> <li>• Design for HS 25 loading.</li> <li>• Designed to cross as close to perpendicular to the right of way as practical.</li> <li>• Approved for PPL access.</li> </ul>
<b>Farming</b> - annual crops	<ul style="list-style-type: none"> <li>• Irrigation - refer to "Irrigation System" below.</li> <li>• Activities must not cause erosion within the right of way.</li> <li>• Using farm equipment under high voltage lines (especially 500 kV), special operating conditions will be required for the equipment to reduce or eliminate static voltages induced by these lines.</li> <li>• Farmer shall be responsible for maintaining all required clearances including NESC, OSHA and PPL clearances as determined by PPL, from PPL facilities (poles, towers, guy wires, conductors, etc.) and shall be responsible for all damage to PPL facilities.</li> </ul>
<b>Farming</b> - trees and orchards	<ul style="list-style-type: none"> <li>• Must be a compatible species (see "Vegetation" below), planted in the border zone (10 feet outside the outer most conductor) and may not exceed 10' in height at maturity.</li> <li>• Must not prevent access to PPL's facilities or interfere with safe, reliable operation/maintenance of PPL's facilities.</li> <li>• Vegetation that is not in compliance is subject to removal without notice or compensation.</li> <li>• Refer to PPL vegetation specs.</li> </ul>
<b>Fences and Gates</b>	<ul style="list-style-type: none"> <li>• Shall not exceed 10 feet in height.</li> <li>• All metallic parts must be grounded to industry standards to eliminate static buildup.</li> <li>• Shall not impede access to PPL's facilities.</li> <li>• Must be of the semi-solid variety to permit visibility.</li> <li>• Single strand (one cable or chain) is not acceptable.</li> <li>• Shall have 14 foot gated opening or removable sections as required to maintain access to PPL's facilities.</li> <li>• No fences shall be constructed parallel under the conductors.</li> <li>• Gates must have a 50 lock supplied by PPL.</li> </ul>
<b>Flammable or Explosive Material Storage</b>	Not permitted
<b>Fueling of Vehicles</b>	Not permitted
<b>General Grading</b>	<ul style="list-style-type: none"> <li>• Grading must be at least 25 feet from any PPL facility and meet PPL approval.</li> <li>• Grading slope may not be steeper than 4:1.</li> <li>• Grading may not violate NESC, OSHA and PPL clearances as determined by PPL, pose a safety concern, inhibit access or otherwise effect PPL's use of the right of way.</li> <li>• Grade changes in excess of 1 foot require PPL approval.</li> </ul>
<b>Grazing of Livestock</b>	<ul style="list-style-type: none"> <li>• No permanent feeding or water facilities are allowed within the right of way (no foundations).</li> </ul>

Topic	Design Criteria
<b>Irrigation Systems - Agricultural and/or Landscape</b>	<ul style="list-style-type: none"> <li>•All irrigation heads must be located outside the right of way.</li> <li>•All irrigation piping crossing the right of way shall be designed to withstand HS 25 loading and be located at least 25 feet from any PPL facility.</li> <li>•All facilities shall be visibly marked where they enter and leave the right of way.</li> <li>•No irrigation spray or drip will be permitted within the wire zone (the wire zone is the area directly under the conductors plus 10 feet).</li> <li>•All pumping locations will have emergency shut off valves or switches for use by PPL and their contractors. Emergency shut off valve or switch shall be clearly marked in the field.</li> <li>•No irrigated water will directly or indirectly spray any structure, overhead conductors, access road or any PPL facilities.</li> <li>•Irrigation shall not cause erosion or ponding of water within the right of way.</li> <li>•Shall not restrict access to PPL facilities.</li> <li>•May not violate NESC, OSHA and PPL clearances as determined by PPL, pose a safety concern, inhibit access or otherwise effect PPL's use of the right of way.</li> </ul>
<b>Lighting</b>	<ul style="list-style-type: none"> <li>•Lighting structures may not violate NESC, OSHA and PPL clearances as determined by PPL, pose a safety concern, inhibit access or otherwise effect PPL's use of the right of way.</li> <li>•Lighting structures shall be adequately grounded per code.</li> <li>•Lighting structure shall not exceed 15 feet in height and must be 25 feet horizontally from the outer most conductor.</li> </ul>
<b>Logging</b>	<ul style="list-style-type: none"> <li>•Trucks must remain a minimum of 25 feet from all PPL facilities, including but not limited to poles, towers, guy wires, conductors.</li> <li>•All logging staging/loading areas must be located outside the right of way to allow adequate clearance to PPL facilities.</li> <li>•Logging activities shall not cause erosion or damage PPL's facilities or access roads.</li> <li>•Loggers shall be responsible for maintaining appropriate clearances from PPL facilities including conductors/wires.</li> </ul>
<b>Mining and Quarrying</b>	Not permitted
<b>Parking - cars, vans and SUVs</b>	<ul style="list-style-type: none"> <li>•Paved parking areas/lots shall be designed for HS 25 loading.</li> <li>•Parking within 25 feet of PPL facilities shall have PPL approved bollards or protective barriers.</li> <li>•Parking shall not restrict access to PPL's facilities.</li> <li>•Curb cuts required every 14 feet.</li> </ul>
<b>Parking - large vehicles including tractor trailers, commercial vehicles, trailered boats, buses and RVs, etc.</b>	Not permitted
<b>Paths - equestrian, biking and walking</b>	<ul style="list-style-type: none"> <li>•Must not prevent access to PPL facilities.</li> <li>•Paved paths shall be designed to withstand HS 25 loading.</li> <li>•No path shall be constructed within 25 feet of any PPL facility.</li> </ul>
<b>Permanent Buildings -manufactured/mobile homes, pole barns and sheds on foundations</b>	Not permitted
<b>Playground Equipment - jungle gyms, sliding boards, swing sets, trampolines, etc.</b>	<ul style="list-style-type: none"> <li>•Equipment must be 25 feet horizontally from the outer most conductors.</li> <li>•Shall not exceed 10 feet in height.</li> <li>•All metallic parts shall be adequately grounded to industry standards to eliminate static buildup.</li> <li>•All equipment must meet or exceed NESC, OSHA and PPL clearances determined by PPL.</li> <li>•Prohibited in 230 kV and greater right of way corridors.</li> <li>•All equipment must be moveable.</li> </ul>
<b>Ponds, Lakes and Wetlands - man made</b>	Not permitted

Topic	Design Criteria
<b>Railroads</b>	<ul style="list-style-type: none"> <li>•Must meet NESC, OSHA and PPL clearances as determined by PPL, railroad shall be responsible for costs associated with additional clearances.</li> <li>•Shall not impede access to PPL facilities.</li> <li>•New communication and signal systems shall utilize insulated cable.</li> <li>•Appropriate remedial actions are required for open wire systems. Railroad shall be responsible for all studies and remediation costs.</li> <li>•PPL shall not be responsible for any electrical or communication interferences due to our facilities.</li> <li>•PPL shall not be responsible for any fees associated with crossing of or performing work near any railroads within PPL rights of way.</li> </ul>
<b>Recreational Areas and Athletic Fields</b> - including golf courses and ski slopes	<ul style="list-style-type: none"> <li>•Equipment (including permanent and temporary goals, score boards, nets, backstops, fencing, etc.) shall not exceed 10 feet in height and must meet NESC, OSHA and PPL clearances as determined by PPL.</li> <li>•All metallic parts shall be grounded to industry standards to eliminate static buildup.</li> <li>•Shall not restrict access to PPL facilities.</li> <li>•Ski slope equipment and apparatus must be situated so as to avoid interference or contact with PPL facilities and meet NESC, OSHA and PPL clearances as determined by PPL.</li> <li>•Ski slopes must meet PPL clearances.</li> <li>•Runs parallel to transmission lines are prohibited.</li> <li>•Non-utility facilities associated with ski runs are regulated under Rule 385 of the Department of Labor and Industry, and the ski run developer is responsible for coordinating the review.</li> <li>•Snow making equipment should be situated outside the right of way and positioned to blow away from PPL facilities.</li> </ul>
<b>Septic Systems and Tanks</b> - tile drains, sand mounds, leach fields, etc.	Not permitted
<b>Sheds</b> - without foundations	<ul style="list-style-type: none"> <li>•Must meet NESC, OSHA and PPL clearances as determined by PPL, requirements.</li> <li>•Shall not exceed 10 feet in height.</li> <li>•Shall not restrict access to PPL facilities.</li> <li>•May not be more than 15 feet into the right of way.</li> <li>•Must not be on a foundation.</li> </ul>
<b>Signs</b> - including commercial billboards and monument signs	<ul style="list-style-type: none"> <li>•Must meet NESC, OSHA or PPL clearances as determined by PPL.</li> <li>•Shall be adequately grounded to industry standards to eliminate static buildup.</li> <li>•Shall not exceed 10 feet in height.</li> <li>•Shall not restrict access to PPL facilities.</li> <li>•Shall not be more than 10 feet into the ROW.</li> <li>•Billboard signs are not permitted.</li> </ul>
<b>Signs</b> - street and traffic signs	<ul style="list-style-type: none"> <li>•Must meet NESC, OSHA and PPL clearances as determined by PPL, requirements.</li> <li>•Shall be adequately grounded to industry standards to eliminate static buildup.</li> <li>•Shall not exceed 10 feet in height.</li> <li>•Shall not restrict access to PPL facilities.</li> </ul>
<b>Solar Cells and Panels</b>	Not permitted
<b>Stockpiling of Material</b> -temporary or permanent	Not permitted

Topic	Design Criteria
<b>Storm Water</b> - infiltration systems including spray and drip irrigation, etc.	<ul style="list-style-type: none"> <li>•All irrigation heads must be located outside the right of way.</li> <li>•All irrigation piping crossing the right of way shall be designed to withstand HS 25 loading and be located at least 25 feet from any PPL facility.</li> <li>•All facilities shall be visibly marked where they enter and leave the right of way.</li> <li>•No irrigation spray or drip will be permitted within the wire zone (the wire zone is the area directly under the conductors plus 10 feet).</li> <li>•All pumping locations will have emergency shut off valves or switches for use by PPL and their contractors. Emergency shut off valve or switch shall be clearly marked in the field.</li> <li>•No irrigated water will directly or indirectly spray any structure, overhead conductors, access road or any PPL facilities.</li> <li>•Irrigation shall not cause erosion or ponding of water within the right of way.</li> <li>•Shall not restrict access to PPL facilities.</li> <li>•May not violate NESC, OSHA and PPL clearances as determined by PPL, pose a safety concern, inhibit access or otherwise effect PPL's use of the right of way.</li> </ul>
<b>Storm Water</b> - rain gardens	<ul style="list-style-type: none"> <li>•Sized to accommodate storm water from no more than a single residential dwelling.</li> <li>•Must not create wetlands or cause erosion.</li> <li>•Shall not restrict access to PPL facilities.</li> </ul>
<b>Storm Water</b> - retention ponds, detention ponds, wet ponds, etc.	<ul style="list-style-type: none"> <li>•Standing water in the right of way is not permitted.</li> <li>•High water mark of any basin may not be more than 10 feet into the right of way and must be a minimum of 40 feet from any PPL facility.</li> <li>•Creation of wetlands is not permitted in the right of way.</li> <li>•Must meet NESC clearance requirements.</li> <li>•Shall not restrict access to PPL facilities.</li> <li>•Any portion of basins within PPL right of way must fully drain within 72 hours.</li> <li>•Must not create any erosion.</li> </ul>
<b>Streets and Roads</b>	<ul style="list-style-type: none"> <li>•Must not be located closer than 25 feet to PPL facilities.</li> <li>•Designed for HS 25 loading.</li> <li>•Designed to cross as close to perpendicular to the right of way as practical.</li> <li>•Curb cuts shall be installed where needed to maintain access to PPL facilities.</li> <li>•No intersections within the right of way.</li> </ul>
<b>Swimming Pools</b> - including associated facilities and structures	Not permitted
<b>Utilities</b> - water, sewer, gas, electric, communications, oil, steam, etc.	<ul style="list-style-type: none"> <li>•Facilities must be located a minimum of 25 feet horizontally from the outer most conductor/facilities and as close to the edge of the right of way as possible.</li> <li>•When performing maintenance on existing co-linear lines, special procedures shall be employed to reduce the risk of shock from induced voltages.</li> <li>•Responsibility of the Developer to ensure all EMFs and induced voltage are considered.</li> <li>•Must cross perpendicular to right of way.</li> <li>•Required studies must be performed for cathodic protection. Applicant required to pay for study and mitigate impacts to PPL facilities.</li> <li>•Collinear parallel pipelines are prohibited within the right of way.</li> <li>•All facilities crossing the right of way shall be designed to withstand HS 25 loading and be located at least 25 feet from any PPL facility. All facilities shall be visibly marked where they enter and leave the right of way and at each turn with carsonite markers.</li> </ul>
<b>Vegetation</b> - private gardens and landscaping	<ul style="list-style-type: none"> <li>•Native grasses, ferns and herbaceous plants are allowed in the wire zone (the wire zone is the area directly under the conductors plus 10 feet).</li> <li>•Approved species of small trees, large shrubs and small shrubs are allowed within the border zone (edge of wire zone to edge of right of way as long as there is adequate clearance to the conductors).</li> <li>•All proposed vegetation must be reviewed by PPL Transmission Right of Way and Vegetation Management.</li> <li>•A list of approved species can be found at the following link: <a href="http://www.pplelectric.com/master-pages/vegetation-management/compatible-species.aspx">www.pplelectric.com/master-pages/vegetation-management/compatible-species.aspx</a></li> </ul>
<b>Vehicles</b> - disabled or abandoned including junk and salvage yards	Not permitted
<b>Wells</b>	Not permitted
<b>Zip Lines</b>	Not permitted