



End of Expected Useful Life Program Transmission Assets

2/23/2021



DLC's End of Expected Useful Life Program

End of Expected Useful Life Program

- The purpose of Duquesne Light's End of Expected Useful Life Program is to provide interested stakeholders with information regarding Duquesne Light's program used to determine when certain transmission assets are approaching the End of its Expected Life (EOL). EOL determinations fall within Duquesne Light's Asset Management program. Duquesne Light is solely responsible for making determinations regarding the management of its assets.
- Duquesne Light's program shall be used when identifying and determining when certain transmission assets are approaching the end of their expected useful life.

Asset-Specific Characteristics: Lines - Overhead

End of Expected Useful Life Program

- Asset specific health index characteristics will include the following:
 - Below grade inspections
 - Conductor condition
 - Condition of wood pole Above grade inspections
 - Foundation embedment depth
 - Insulator type
 - Paint condition
 - Soil boring data
 - Structural connections
 - Structural corrosion condition
 - Structural steel material
 - Type of foundations; concrete or grillage
 - Wood crossarm and brace condition

Asset-Specific Characteristics: Lines - Underground

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- Asset specific health index characteristics will include the following:
 - Conduit condition
 - Dielectric fluid cooling (DFC) system condition
 - Line termination conditions
 - Manhole structure
 - Pumping plant equipment, material, and structure condition
 - Subsurface condition

Asset-Specific Characteristics: Transformers

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- Asset specific health index characteristics will include the following:
 - Bushing condition and power factor
 - Cooling system condition
 - Insulation power factor
 - Internal inspection analysis
 - Load tap changer condition (if applicable)
 - Oil sample analysis
 - Turns ratio

Questions

