Demography of Distribution Assets

Demography of distribution cables, transformers and network assets

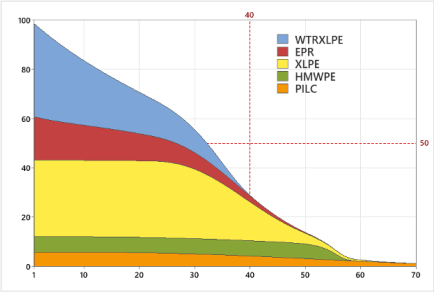
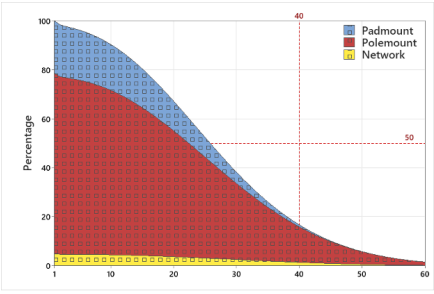
Categories: Reference

Aging assets is commonly identified as a major concern for utilities in the distribution arena. Prior to devising strategies to mitigate the effects of ageing assets it is important to understand the magnitude of the problem in terms of both the age of the asset and the number of assets involved.

As part of ongoing research utilities are invited to provide information for their assets which are collated to provide an industry overview. Such an overview may be used to provide a context for utility specific analyses.

The table below provides the age ranges for the assets currently in use within the Distribution System

Data gathering and analysis for this research is ongoing. As new results become available they will be used to update this page.

Asset	Age Range (years)		Population	Learn More
	Lower Quartile	Upper Quartile		
EPR Cable	12	35	 963,000 miles	Cables
HMWPE Cable	53	57		
PILC Cable	38	68		
WTRXLPE Cable	9	30		
XLPE Cable	35	46		
Network Transformers	20	42	 >5,000,000 units	Transformers
Padmount Transformers	13	241		
Polemount Transformers	16	37		
Network Protectors	10	27	38,000	Network Components
Network Structures	56	77	450,000	

Network Primary Cable (all types)	17	44	>16,000 miles	