Conductor Renewals

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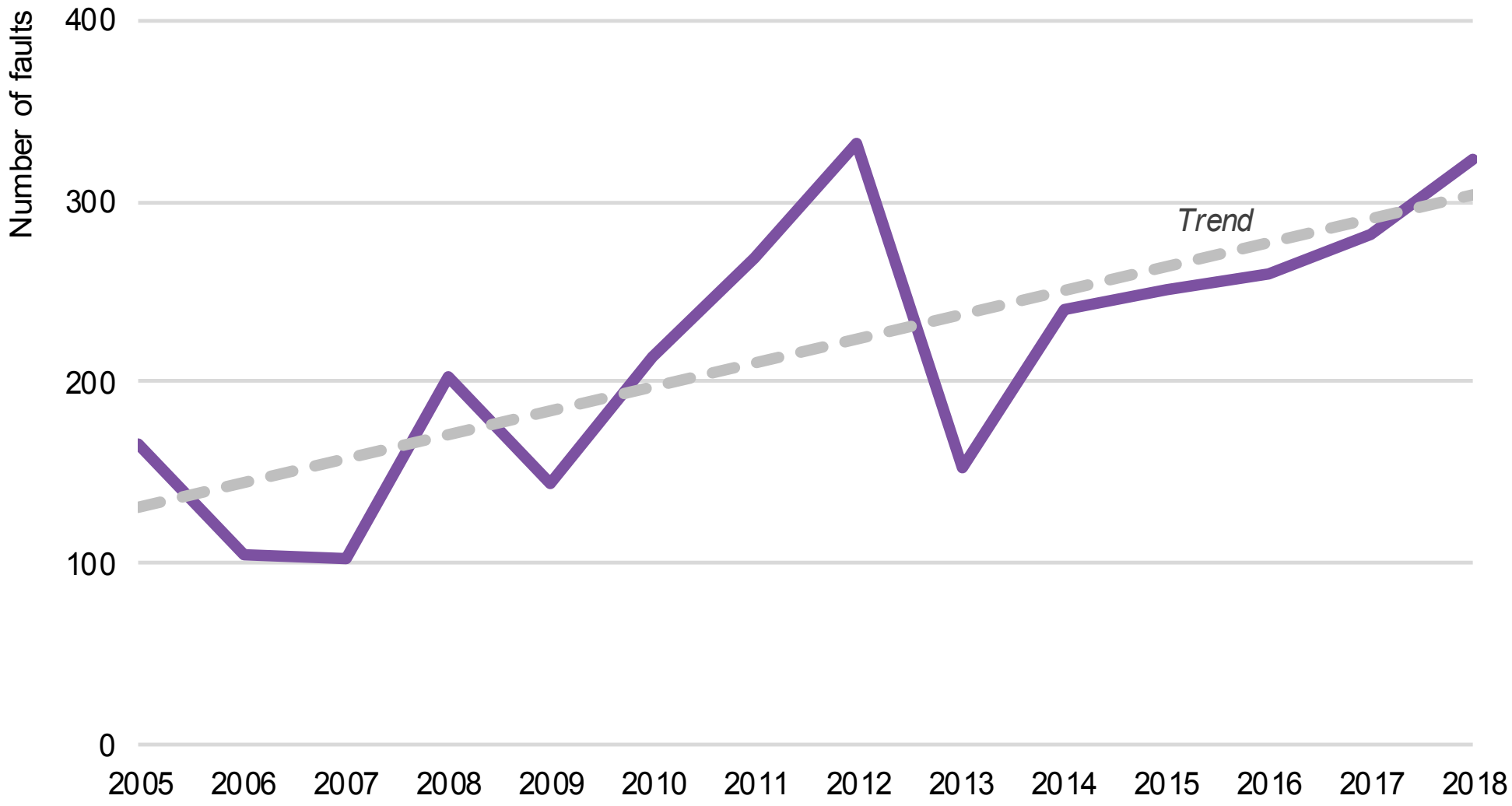
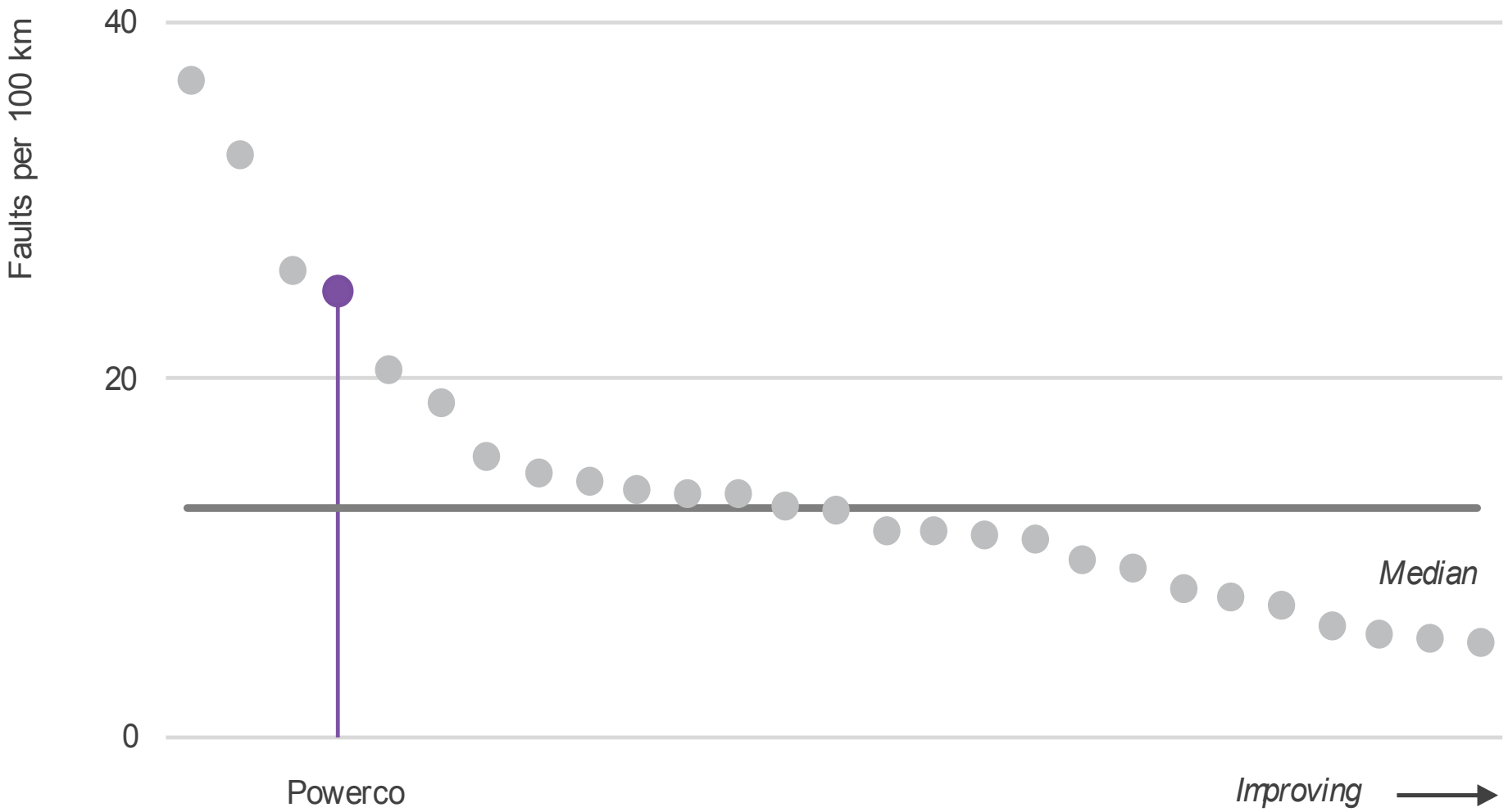
Conductors an unknown in the renewal planning equation

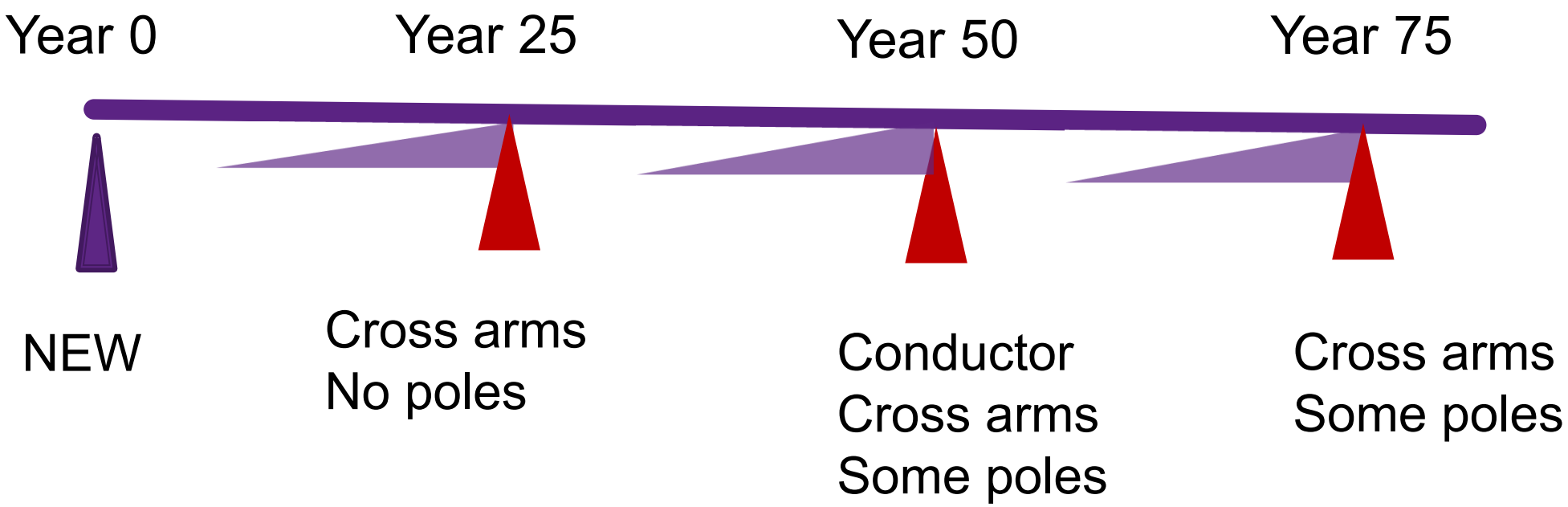
The problem – an increasing trend in conductor related faults



Benchmarking indicates our conductor fault rates are high compared to our peers.



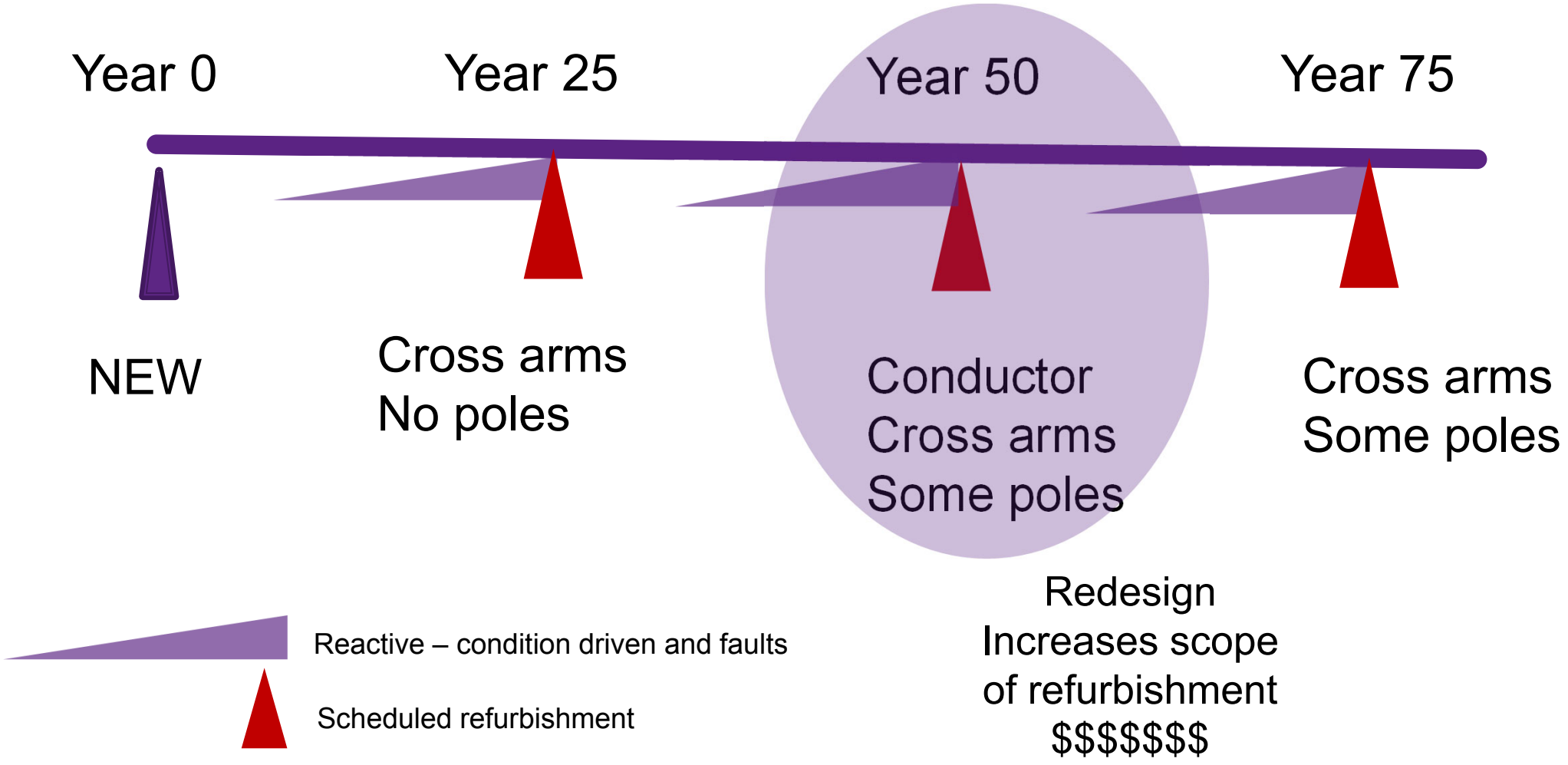
Why conductor replacement is pivotal



Reactive – condition driven and faults

Scheduled refurbishment

Why conductor replacement is pivotal



Forest harvest approach to renewals planning

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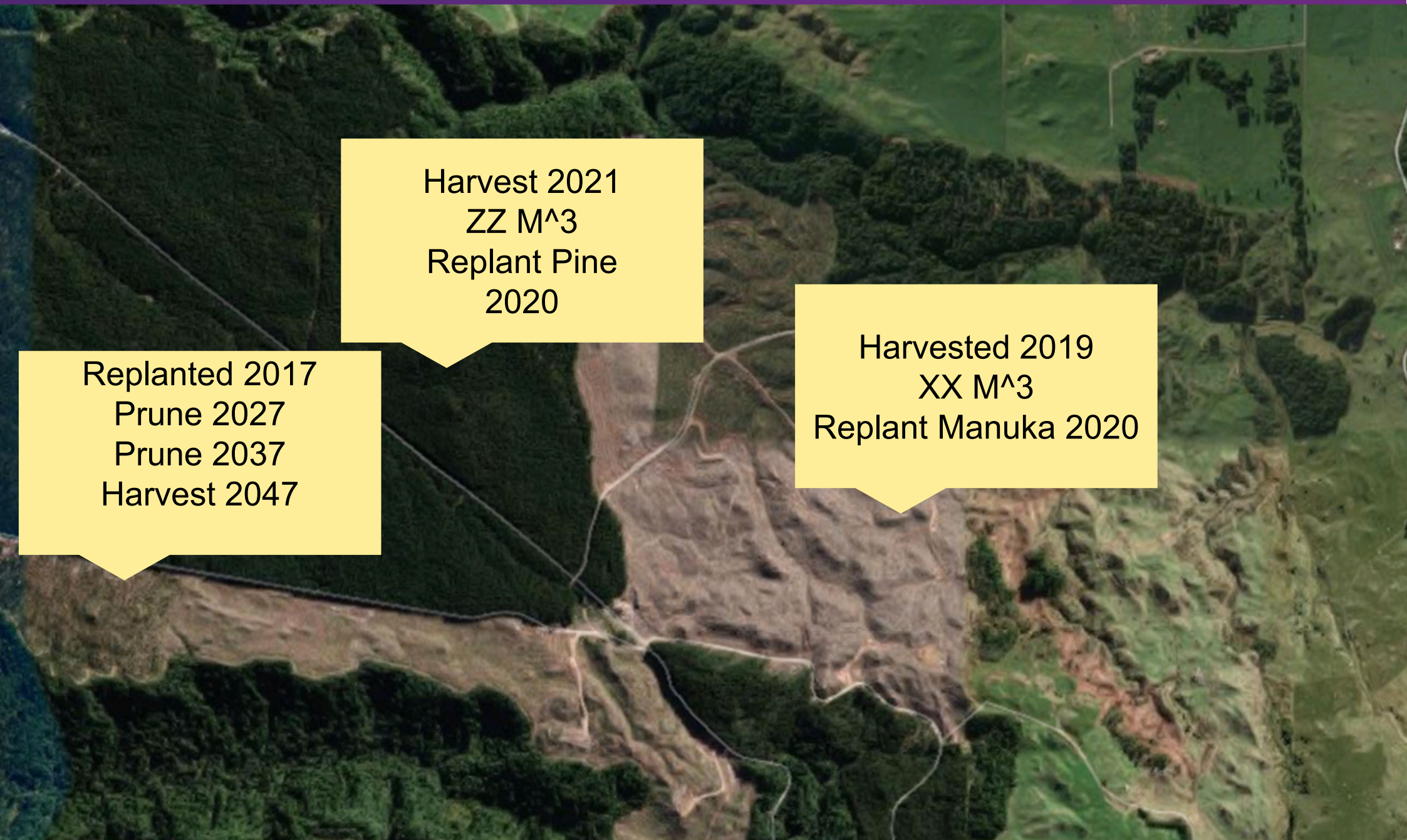
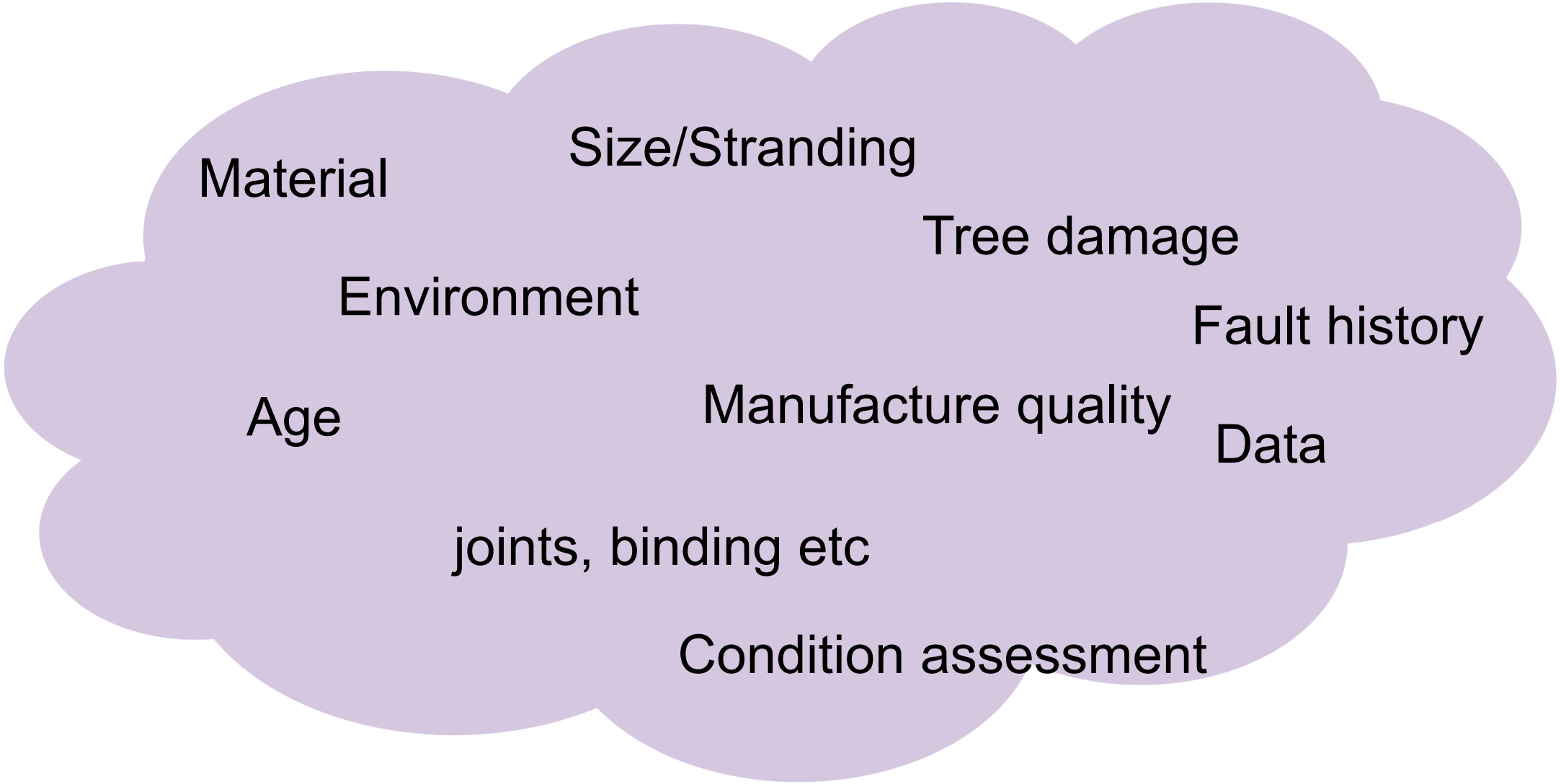
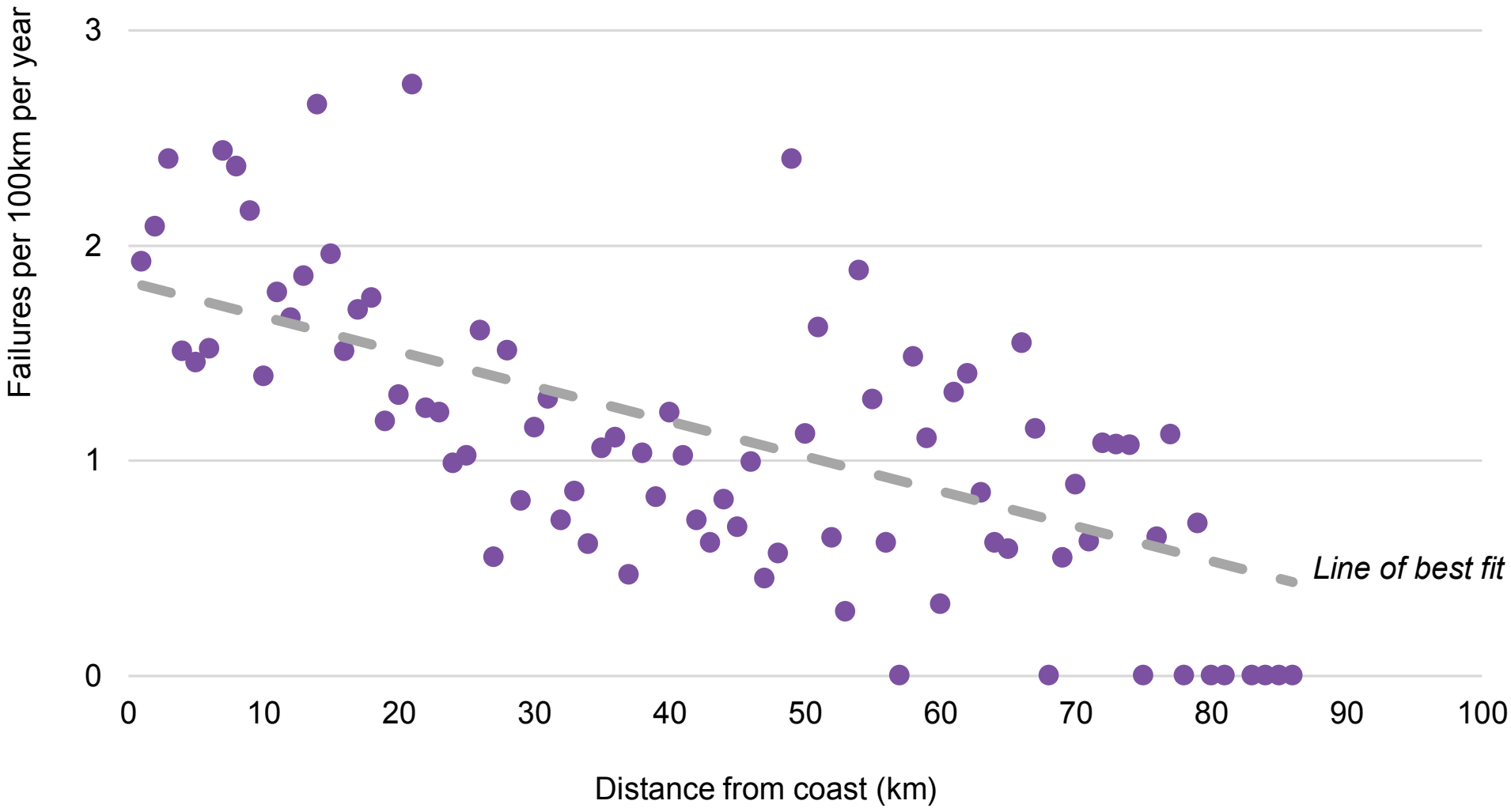


Factors in determining year to replace conductor



We believe conductor performance is correlated age and environment



Approach – model conductor health using DNO common methodology concepts.

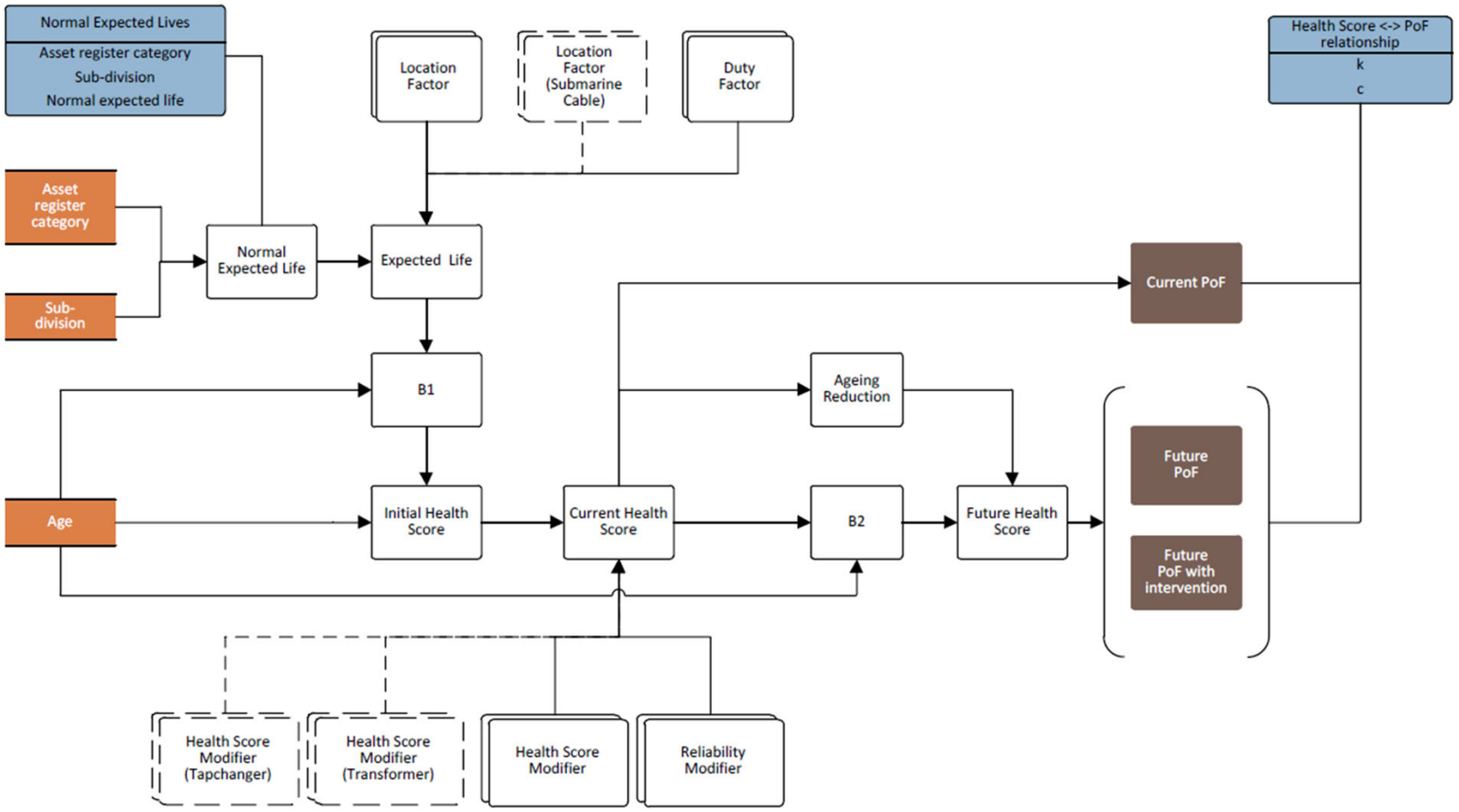


FIGURE 5: PROBABILITY OF FAILURE

Conductor health guide – what would be helpful?

- Best practices on evaluating condition – cost benefit
- Establish relationships between types, materials, environment and health.
- Nominal conductor life for planning purposes.

Finally – an alternative to conductor renewal