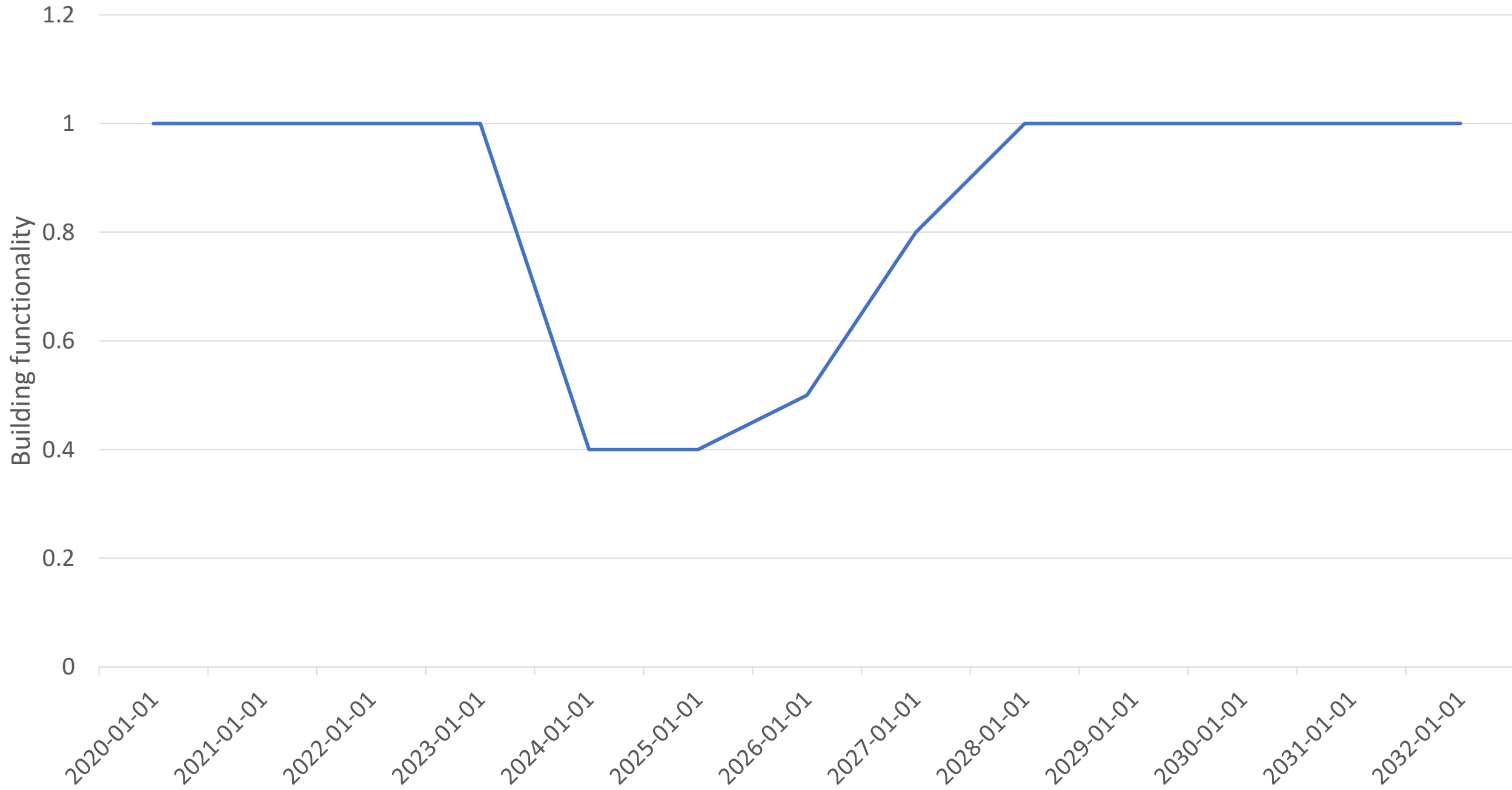
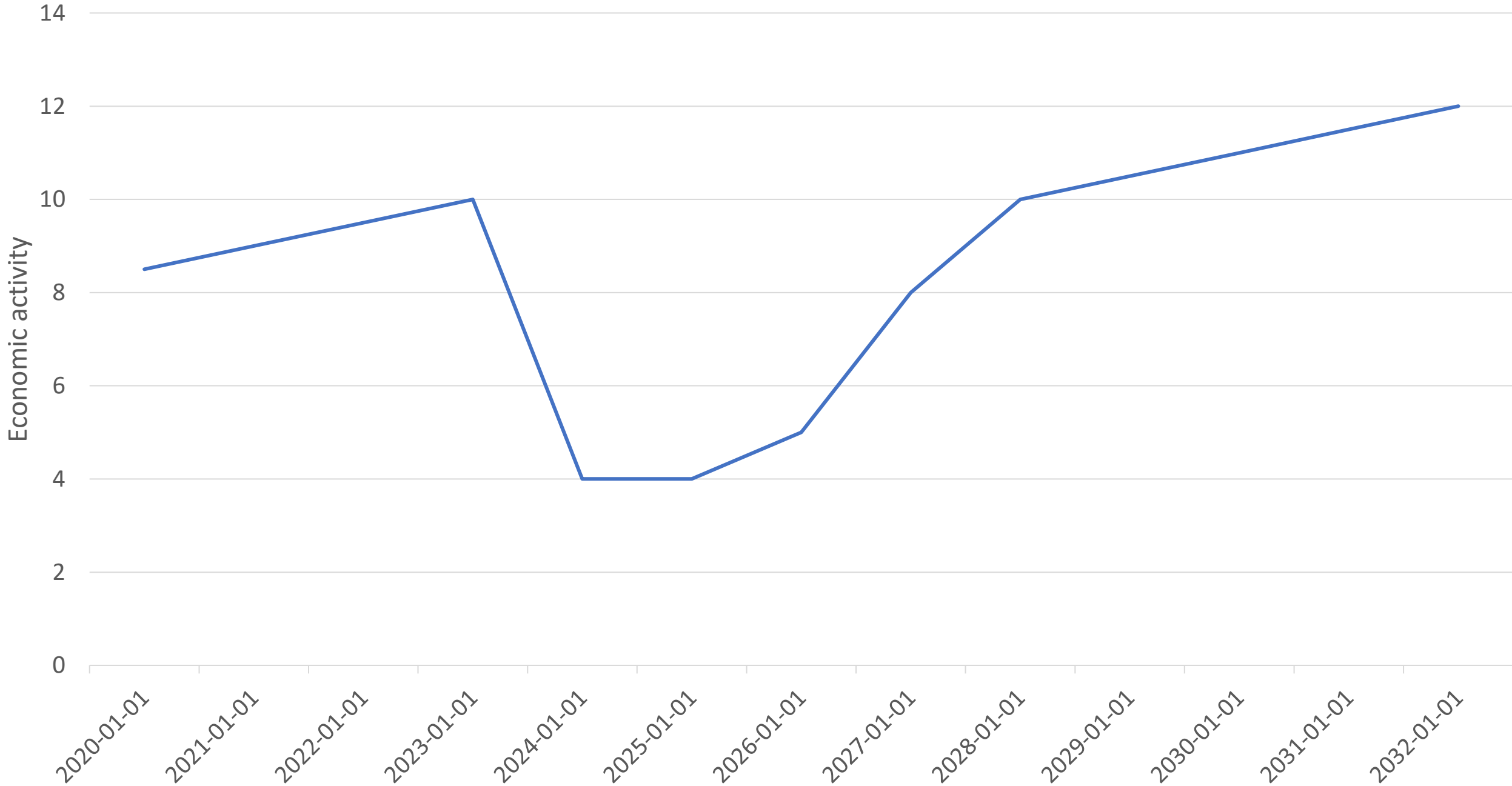


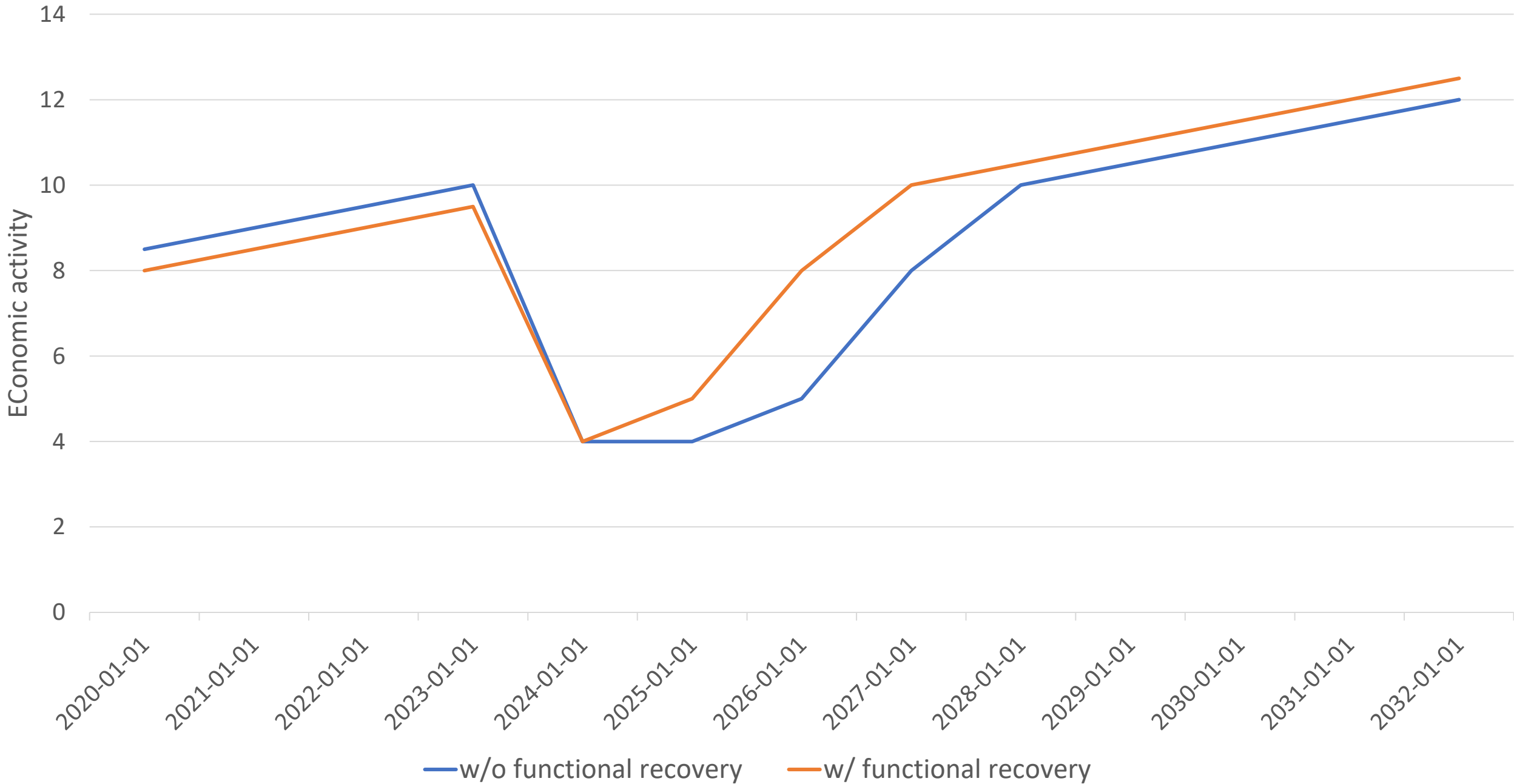
Functionality



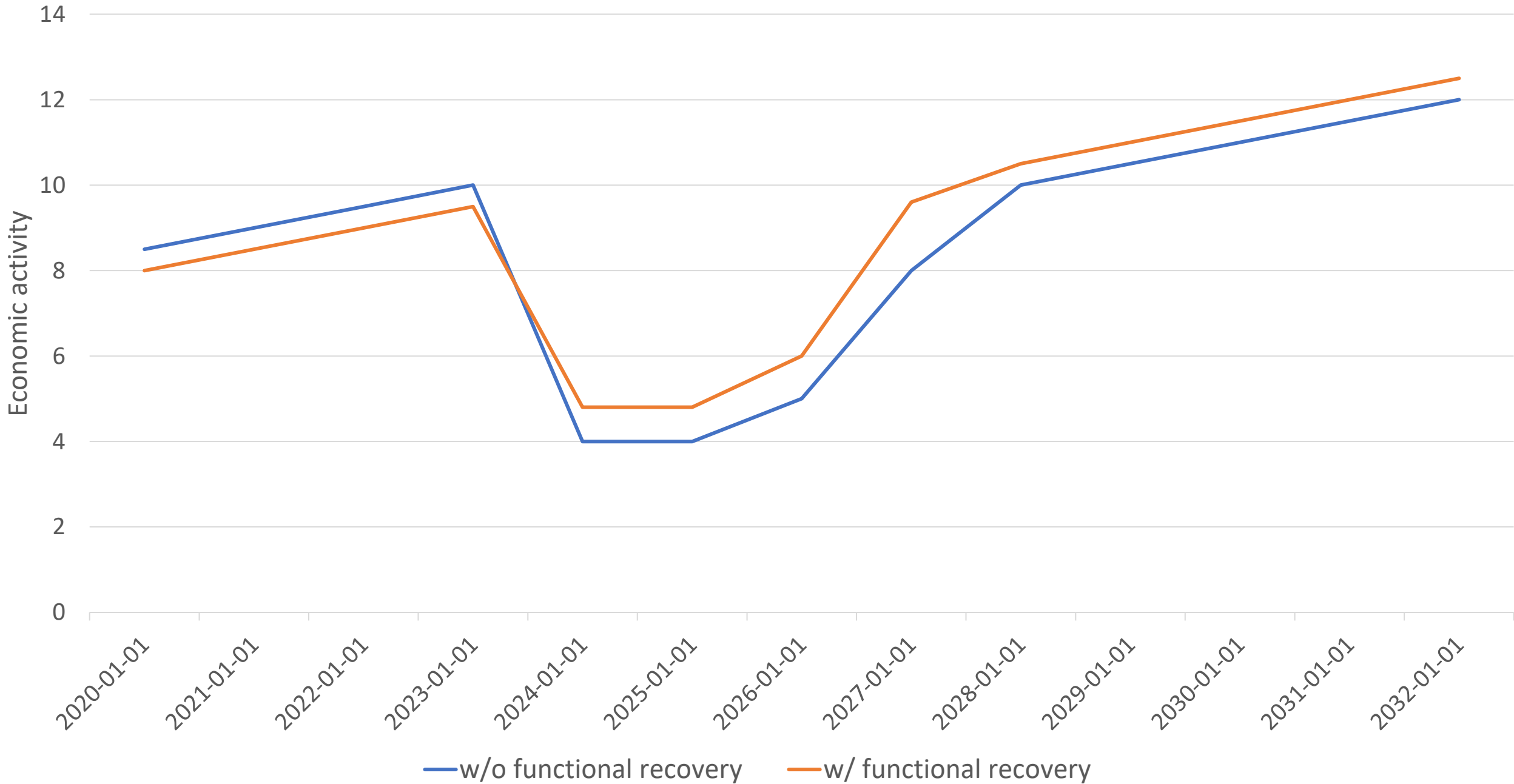
Baseline economic activity



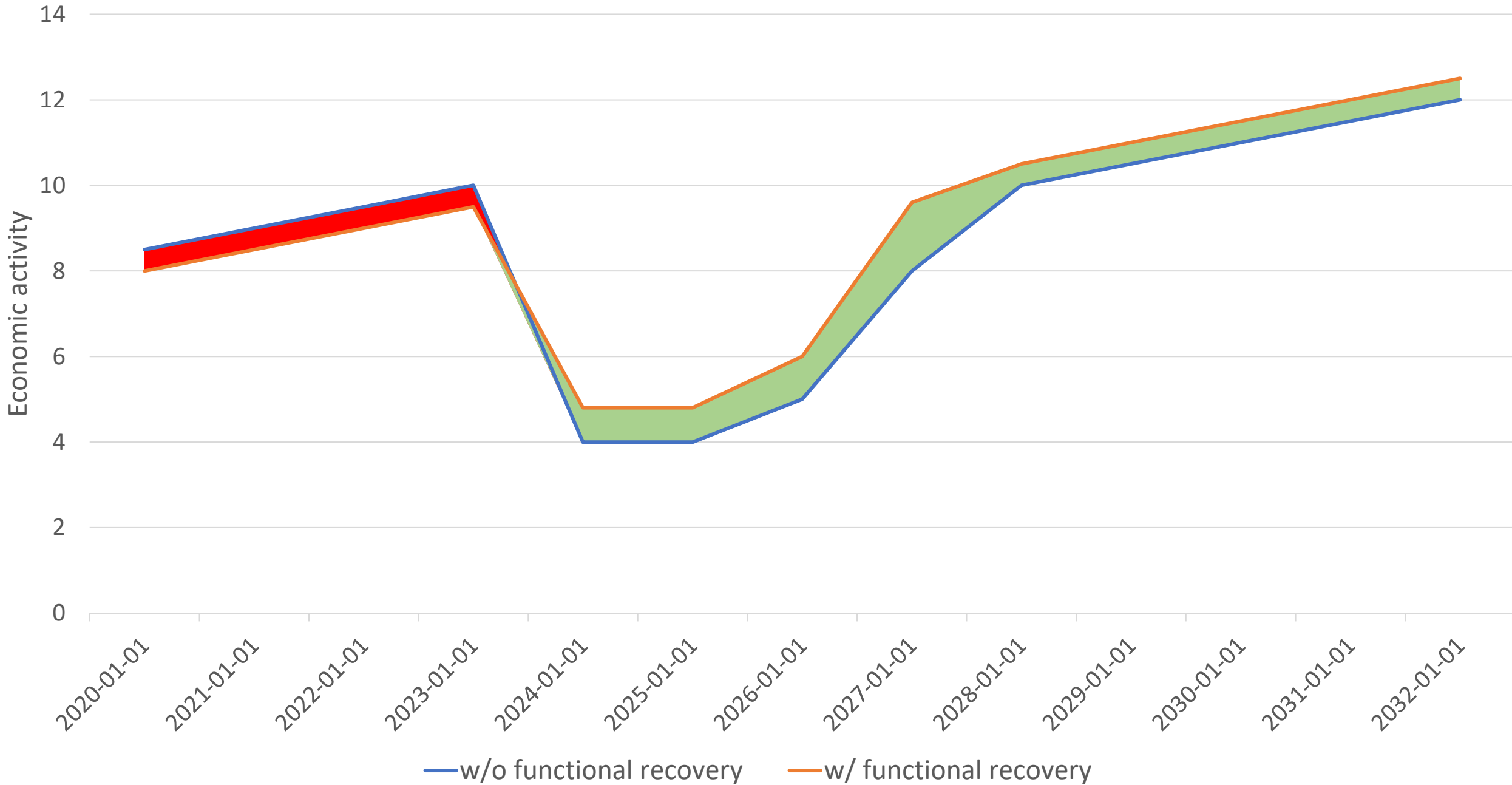
Functional recovery - faster recovery



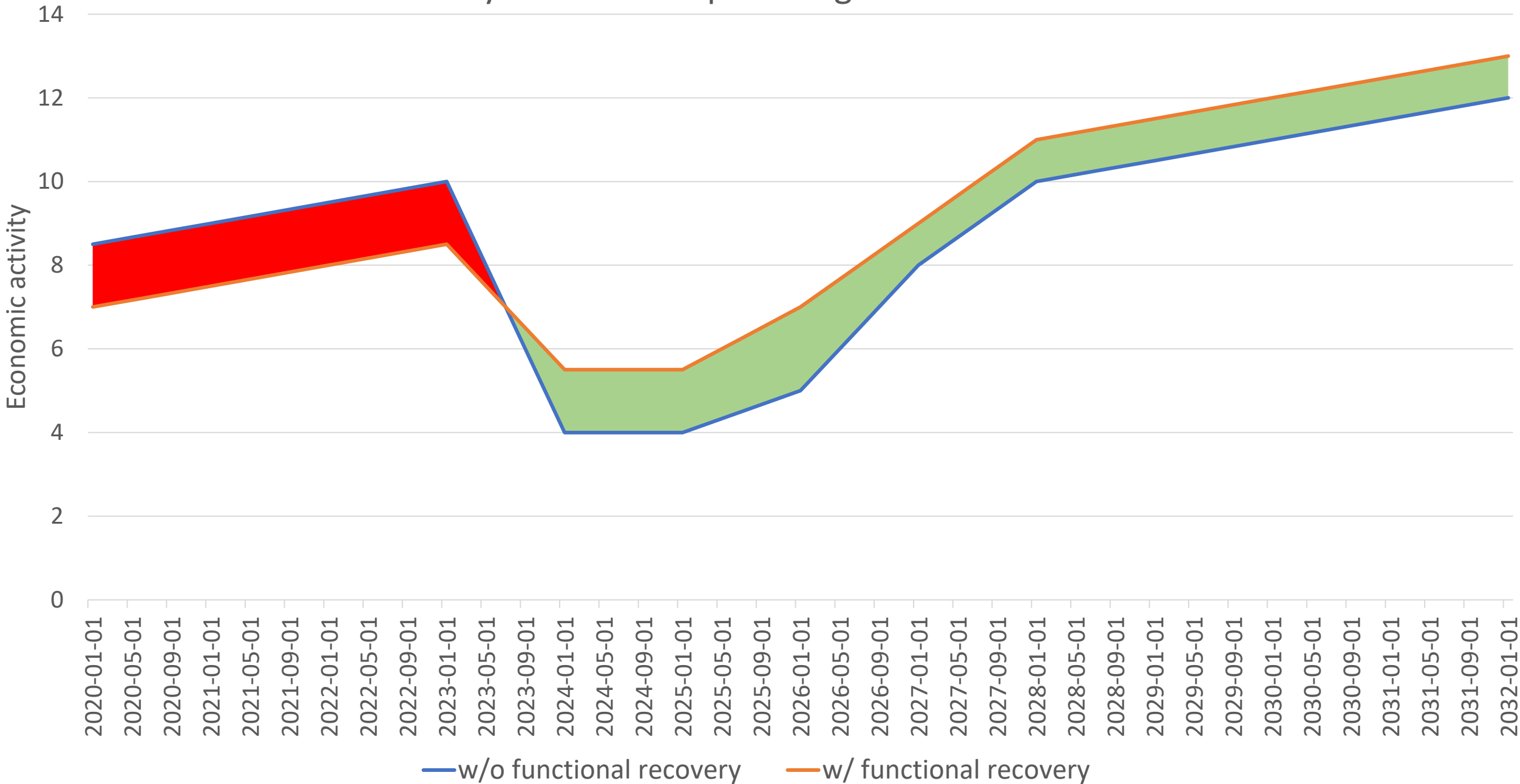
Functional recovery - reduced impact



Functional recovery - reduced impact - benefit and cost



Functional recovery - reduced impact - higher standard - benefit and cost



Building functionality_{building use type} = f(

- Time
 - Investment (\$) in repairs (of specific goods and services from particular industries? i.e. could there be bottlenecks?)
 - Functionality of other infrastructure; e.g. electricity, water, internet
 - Functional recovery design option / standard level
 - Temporary standards (relaxing rules allowing use of building)
-)

- Develop some scenarios where large portion of buildings get replaced over next ~30 years
- Christchurch
 - Existing data from EQ
 - Most of the CBD was rebuilt (to higher standards), know the cost
 - Could do a scenario where new standards existed in 2010 and more of the rebuild was done to the new standards
- Wellington
 - Understanding of building and type
 - Most buildings constructed in 1980's