



Addendum to
Report on Phase 3 of a Value for Money Simulation of a
Balanced Strategy for Emergency Response Services for
Merseyside Fire and Rescue Service

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1. Introduction.

This document is an addendum to the report titled 'Report on Phase 3 of a Value for Money Simulation of a Balanced Strategy for Emergency Response Services for Merseyside Fire and Rescue Service'. It contains the results from additional runs of the Response Simulator model to evaluate:

- The effect of extending the period of retained reserve from 12 hours to 14 hours, commencing at 2200.
- The impact of changing the location of retained reserve pumps.

2. Results.

2.1 *Extended Resilience Reserve Period.*

If the solution proposed in recommendations 1-6 of the report is modified such that the resilience reserve period runs from 2200-1200 then the performance is 79.3%, a net gain of 0.1%.

2.2 *Changes to Resilience Reserve Location.*

The model showed that the effect of moving the location of the resilience reserve pumps is negligible on overall performance. This is because they will typically be mobilised to a location that may not be their home station, depending on the circumstances that triggered the use of resilience reserve.

Thus it would be possible to base the second Birkenhead pump to Upton and the second City Centre pump to Old Swan during the resilience reserve period without affecting overall performance.

To further test the robustness of this solution, we also extended the mobilising time of resilience reserve to 20 minutes and found it had no impact on overall performance.