Scenario 2: Scaling Event Timeline with System Phases

System State:
Normal | Light Load 3 | High Load (4 replicas) | Load Ramp-Down | Cooldown Period | Normal Operation

Replicas:
3 · 3 · 4 · 3

Events:
New Replica Started
MTTR: 7s

Network 15 MB/s

Load Returns to Normal

Cooldown Complete
Scale Down to 3

Time (seconds)