

APPENDIX A

This section presents the processed data (final and intermediate) from 10 BSP and 10 primary substations at Electricity North West Ltd following the proposed methodology. Results have been obtained using a 5 year period (i.e., from 2012 to 2016) of the available half-hourly P demand data per BSP substation.

Processed Active Power Demand Data of Bulk Supply Points

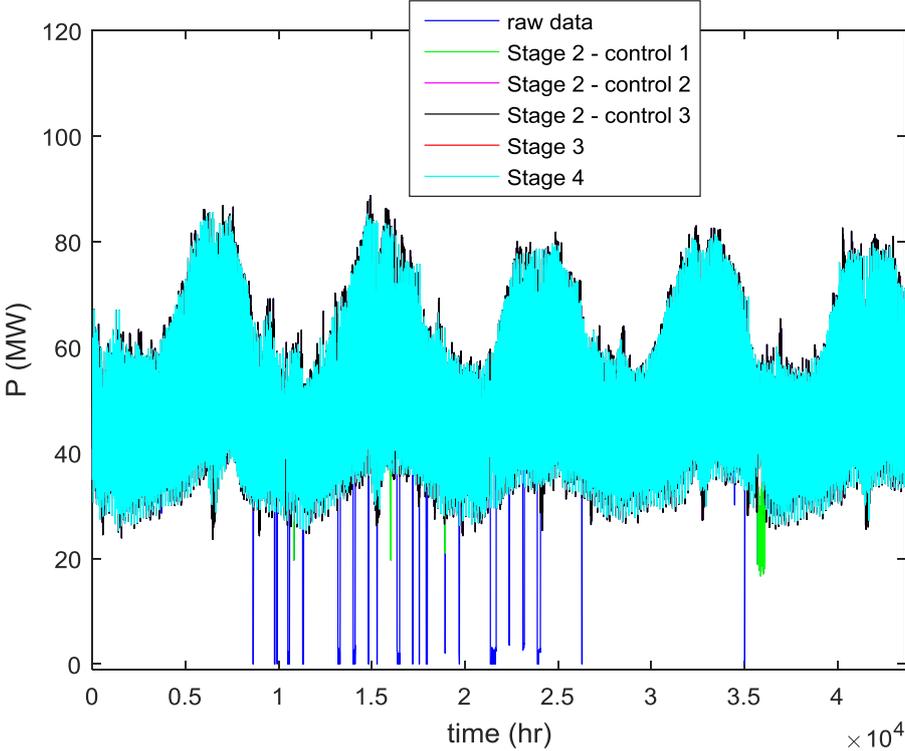


Fig. 1. Half-hourly processed P demand data of BSP#1 of Electricity North West Ltd.

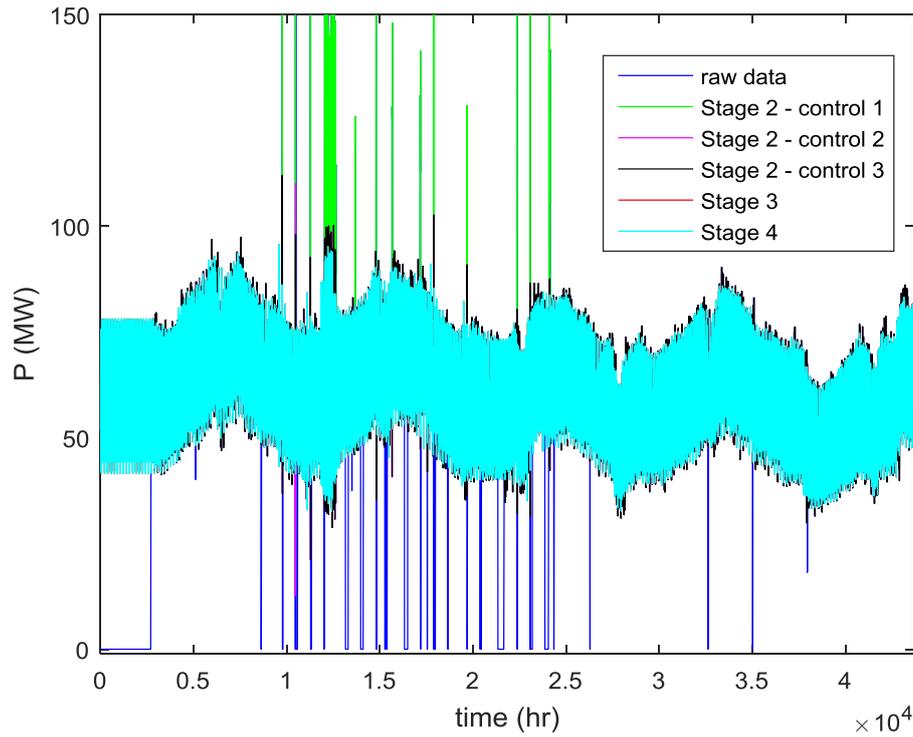


Fig. 2. Half-hourly processed P demand data of BSP#2 of Electricity North West Ltd.

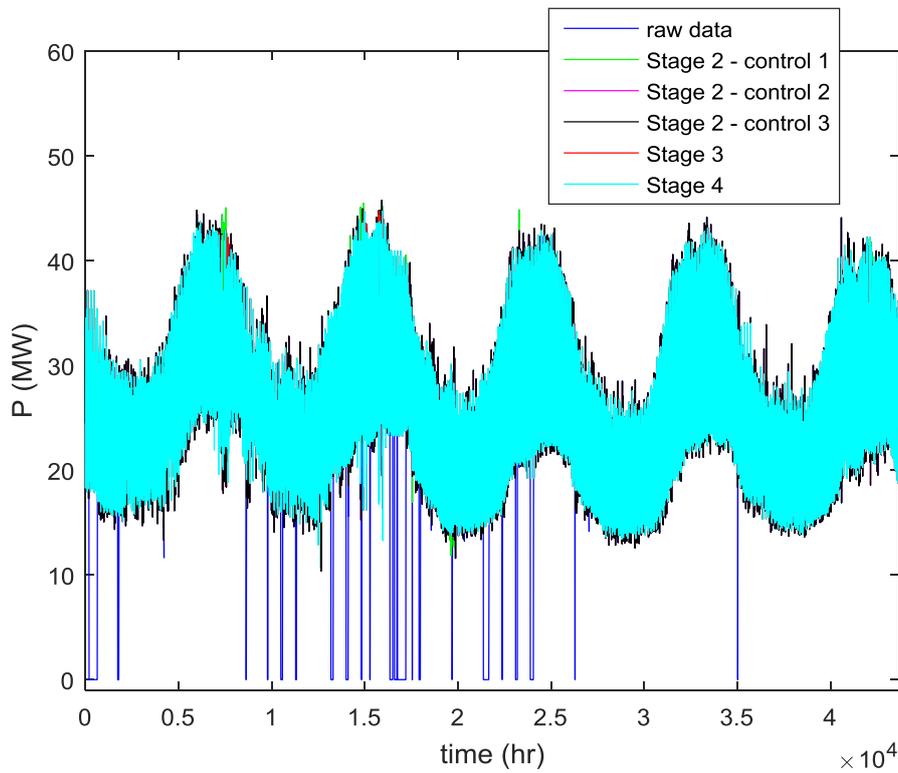


Fig. 3. Half-hourly processed P demand data of BSP#3 of Electricity North West Ltd.

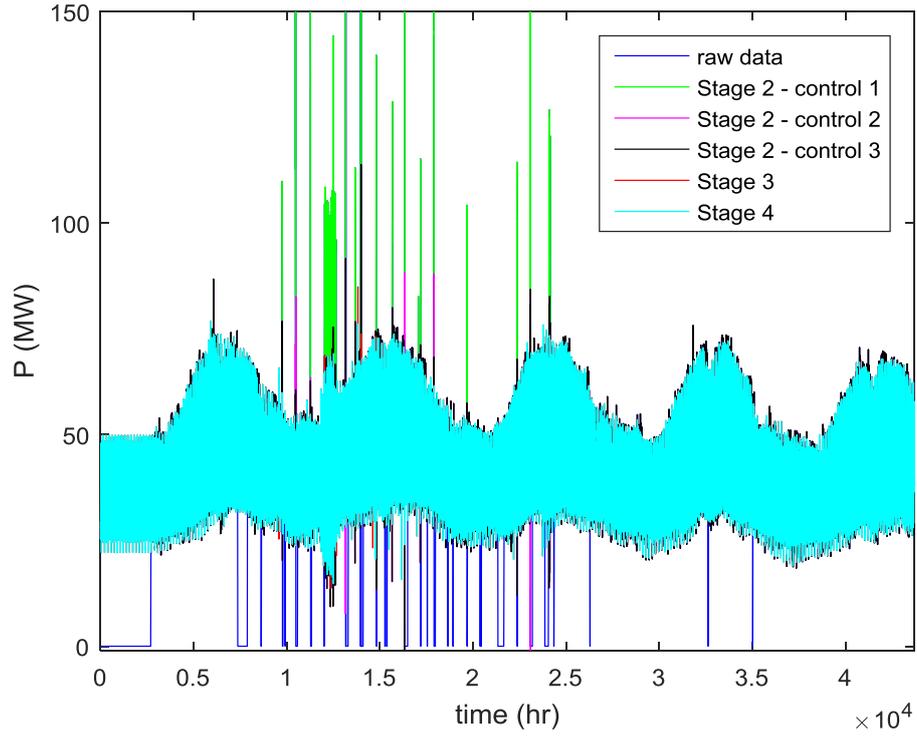


Fig. 4. Half-hourly processed P demand data of BSP#4 of Electricity North West Ltd.

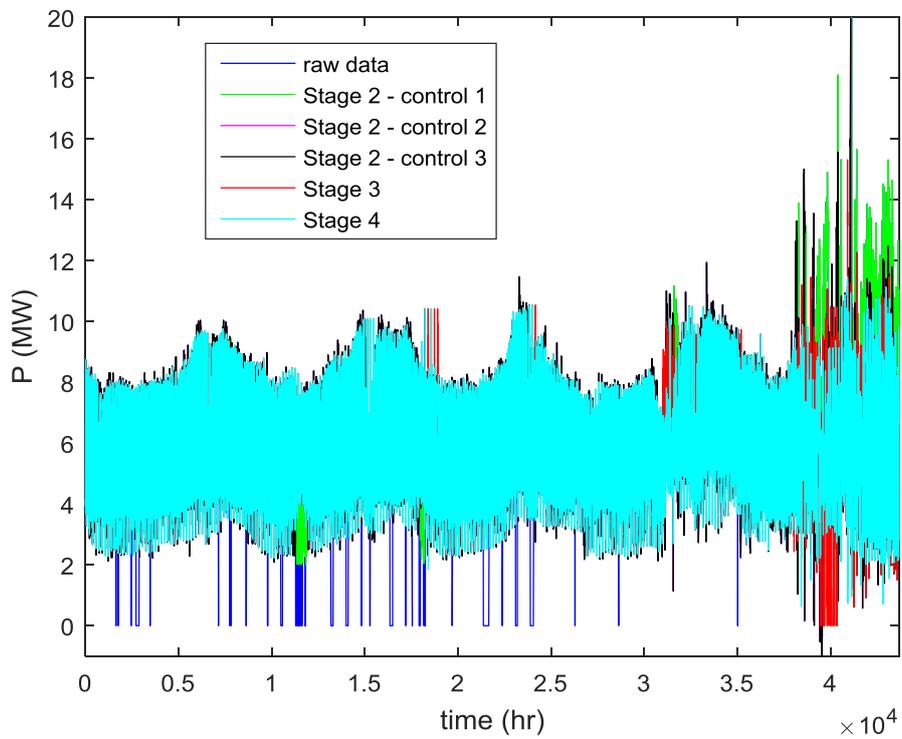


Fig. 5. Half-hourly processed P demand data of BSP#5 of Electricity North West Ltd.

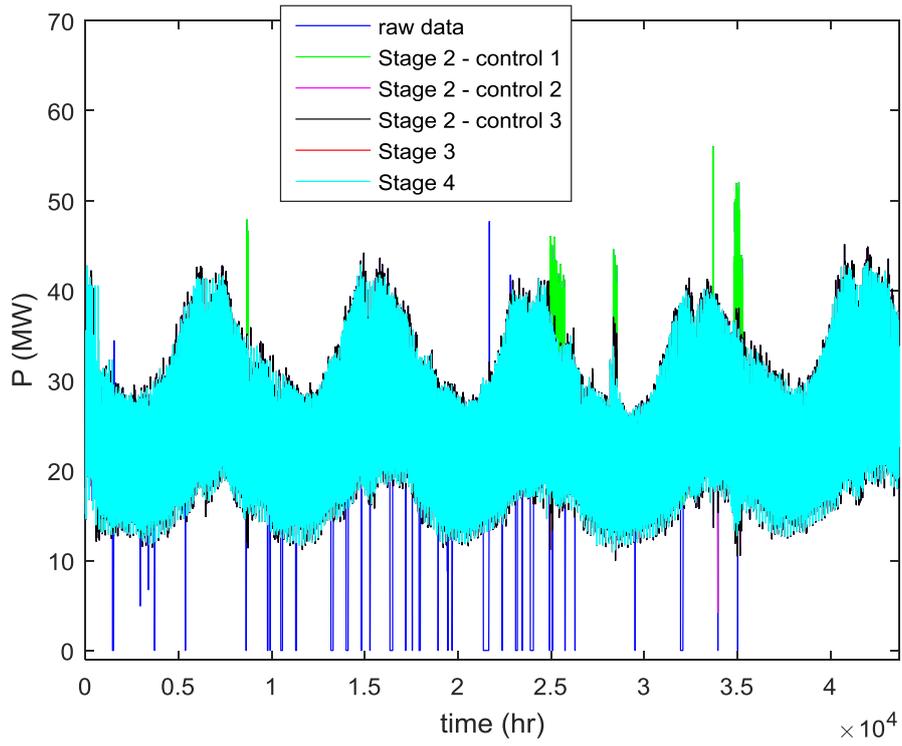


Fig. 6. Half-hourly processed P demand data of BSP#6 of Electricity North West Ltd.

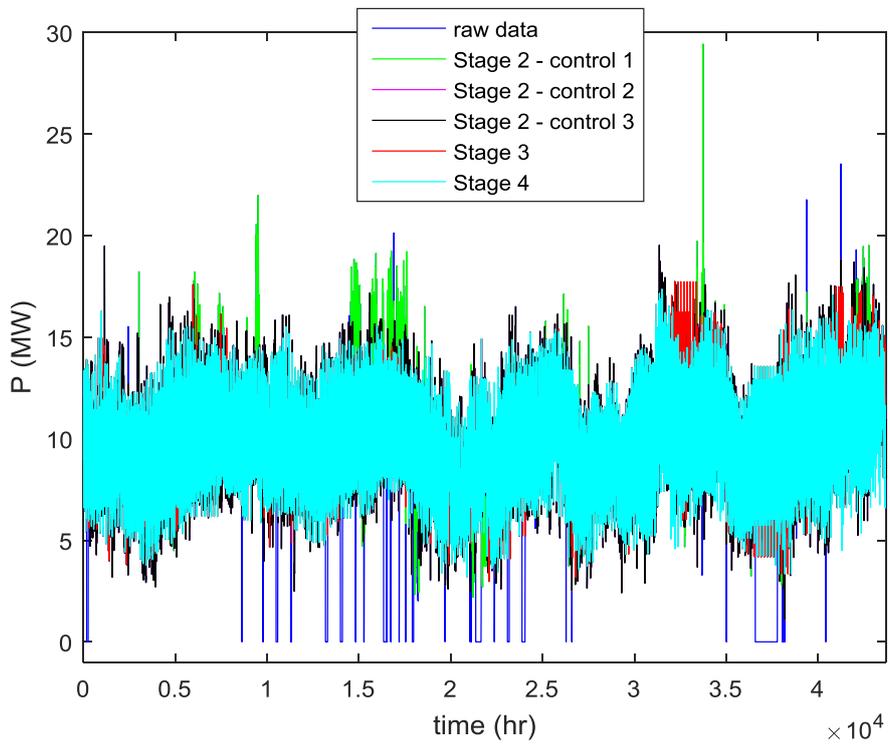


Fig. 7. Half-hourly processed P demand data of BSP#7 of Electricity North West Ltd.

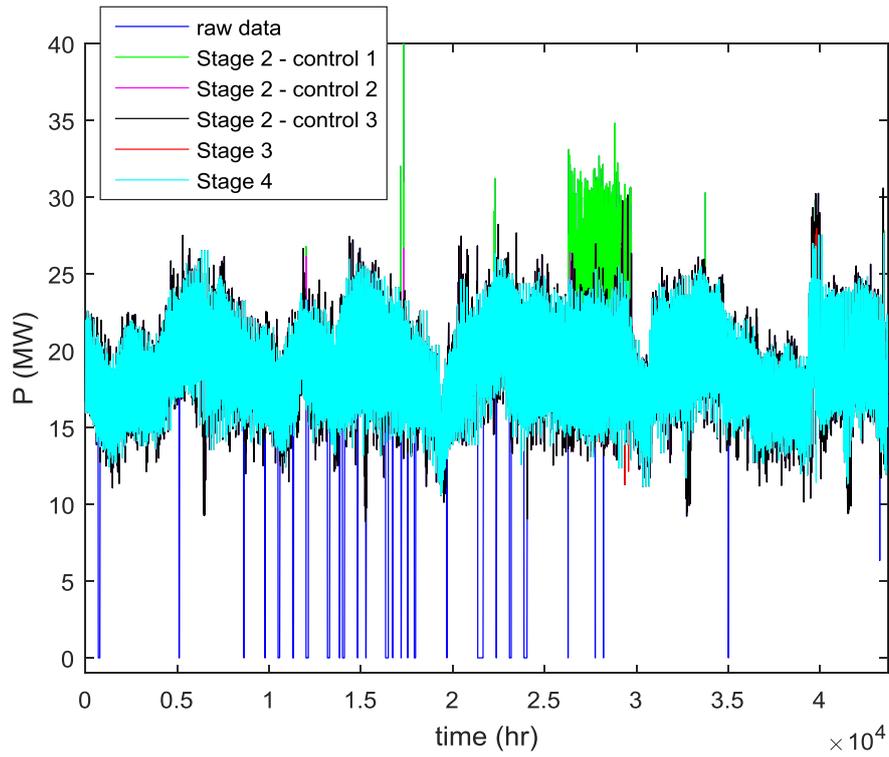


Fig. 8. Half-hourly processed P demand data of BSP#8 of Electricity North West Ltd.

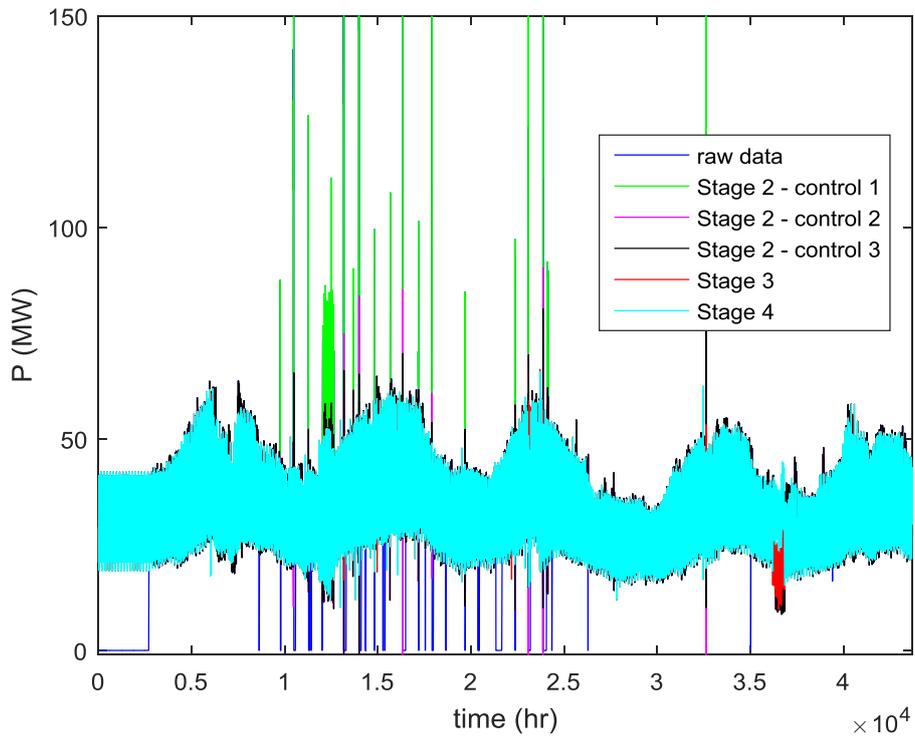


Fig. 9. Half-hourly processed P demand data of BSP#9 of Electricity North West Ltd.

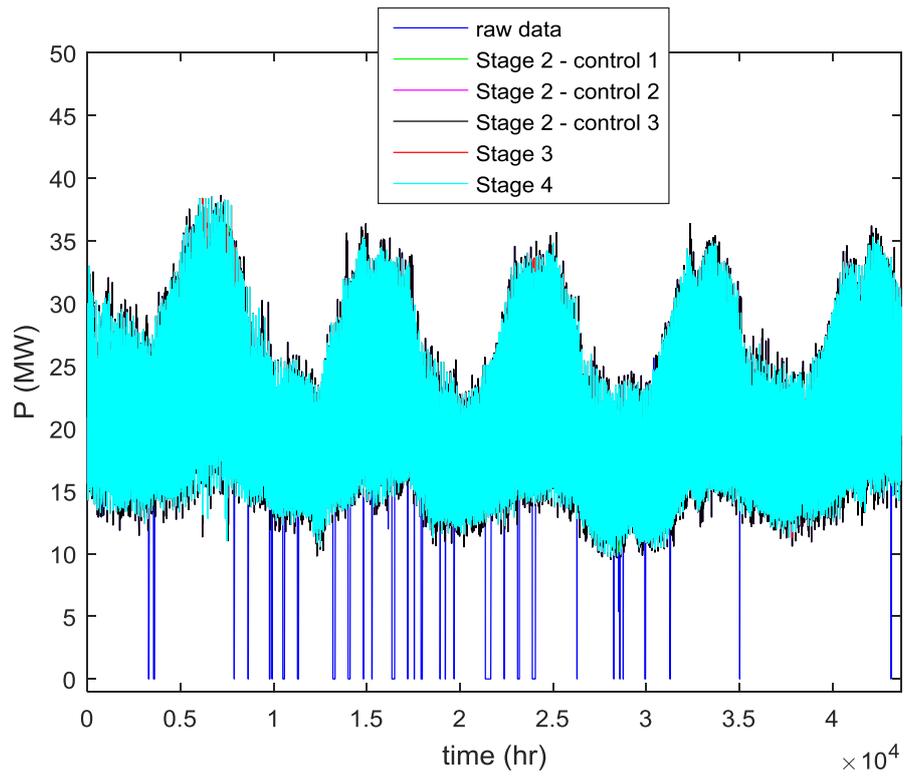


Fig. 10. Half-hourly processed P demand data of BSP#10 of Electricity North West Ltd.

Processed Active Power Demand Data of Primary Substations

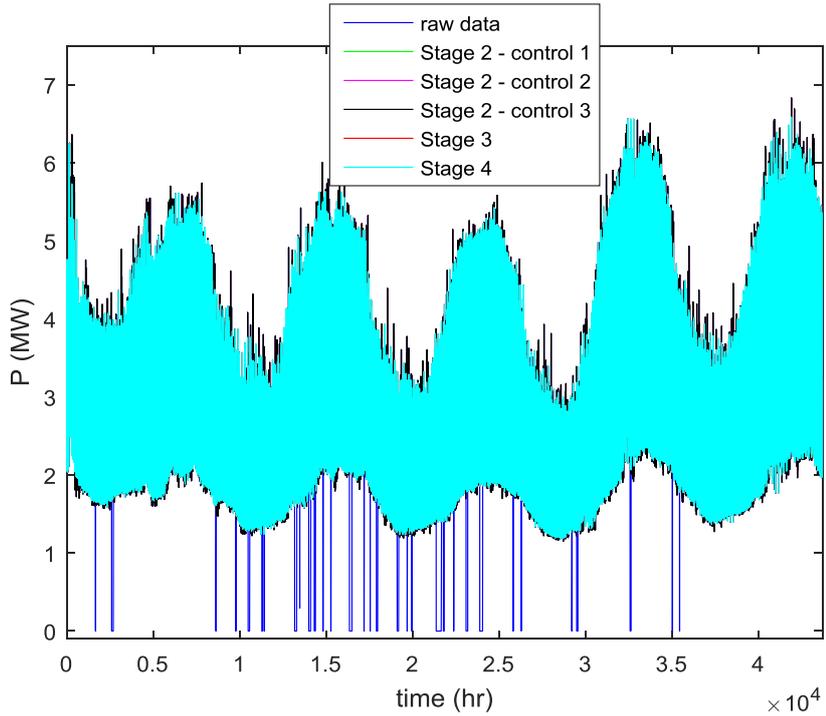


Fig. 11. Half-hourly processed P demand data of primary substation #1 of Electricity North West Ltd.

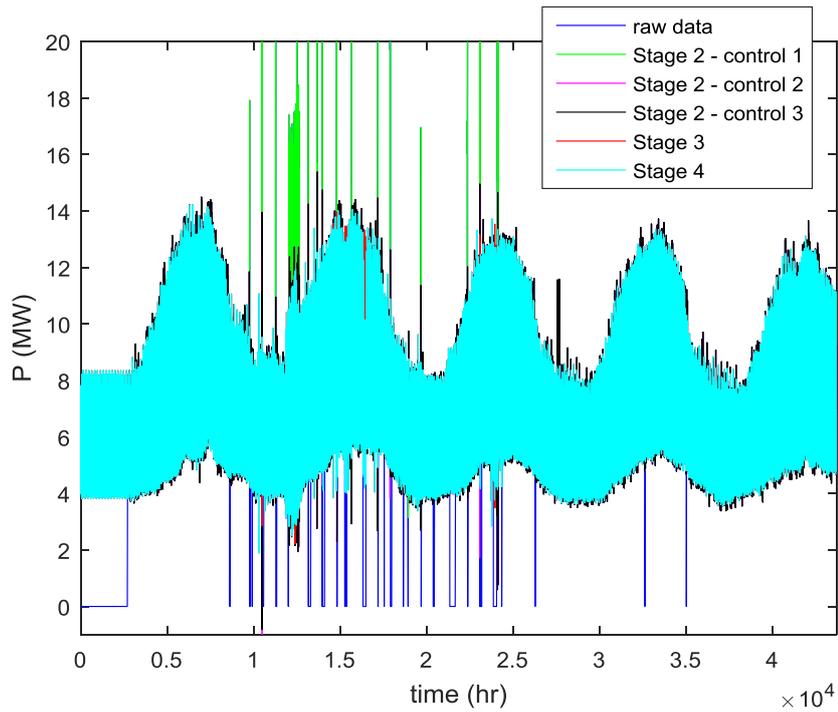


Fig. 12. Half-hourly processed P demand data of primary substation #2 of Electricity North West Ltd.

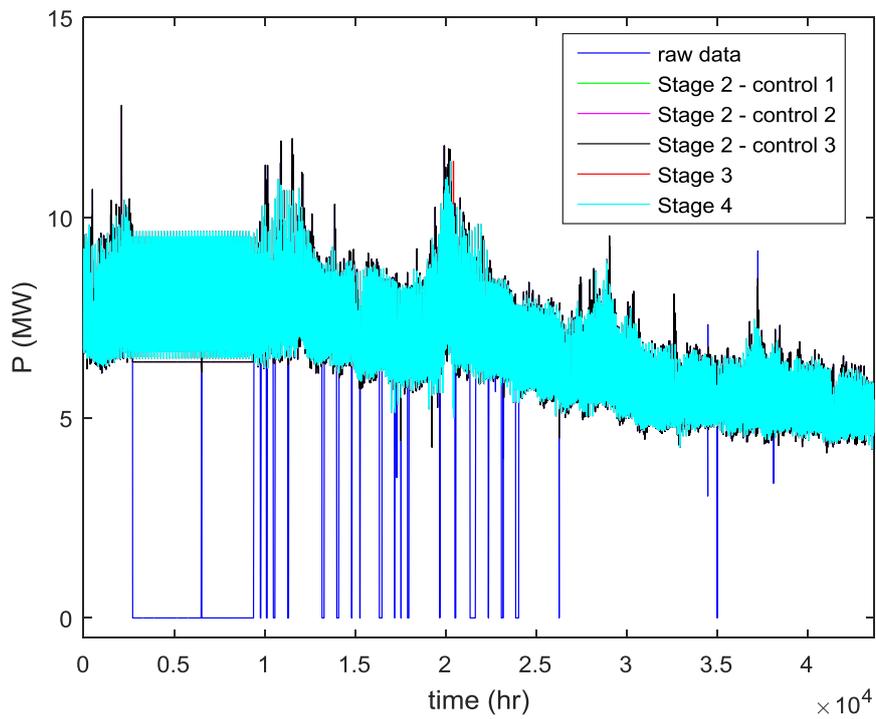


Fig. 13. Half-hourly processed P demand data of primary substation #3 of Electricity North West Ltd.

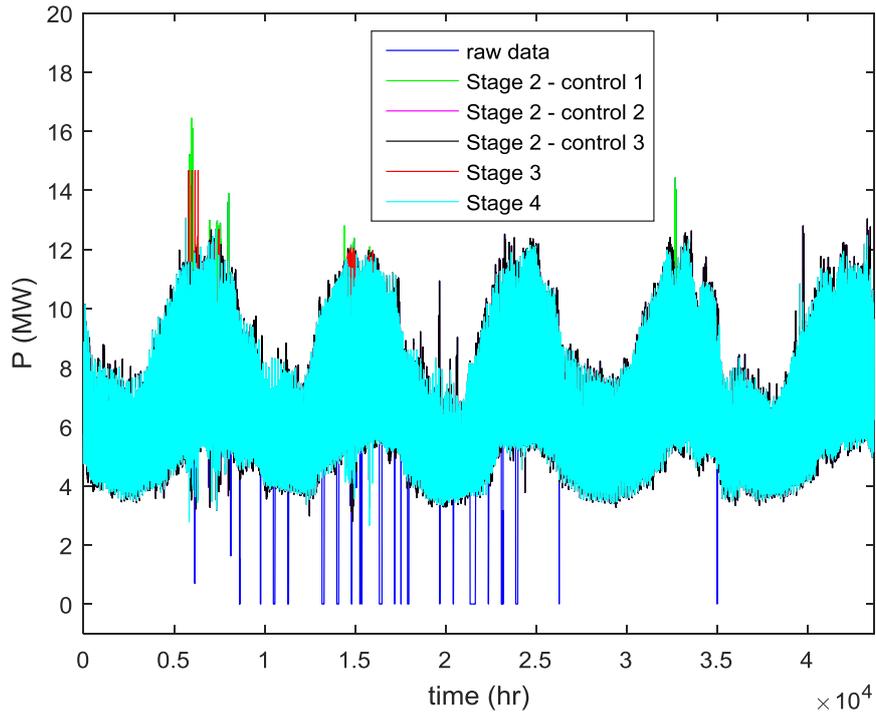


Fig. 14. Half-hourly processed P demand data of primary substation #4 of Electricity North West Ltd.

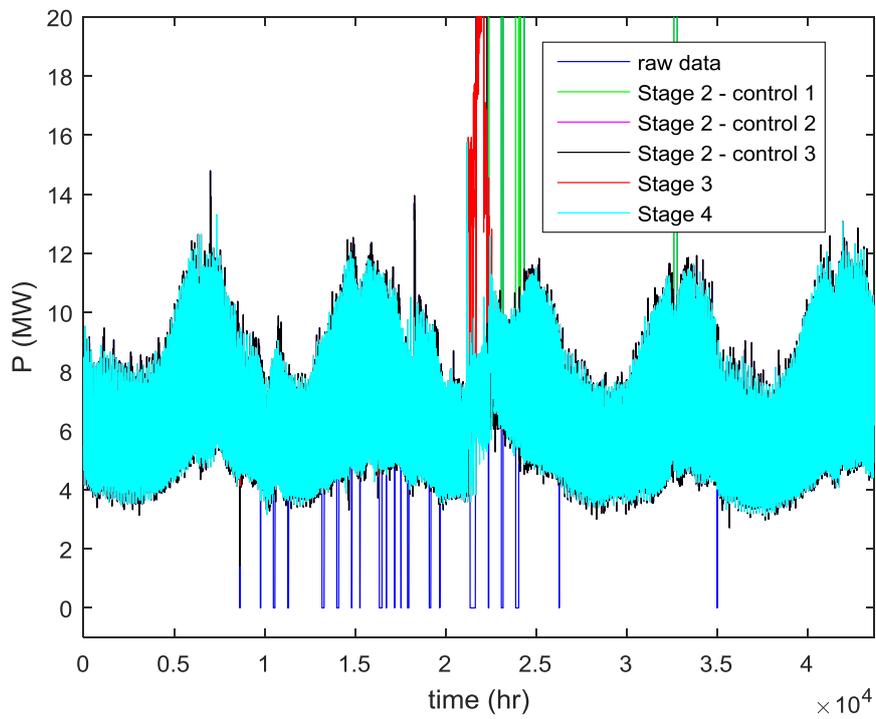


Fig. 15. Half-hourly processed P demand data of primary substation #5 of Electricity North West Ltd.

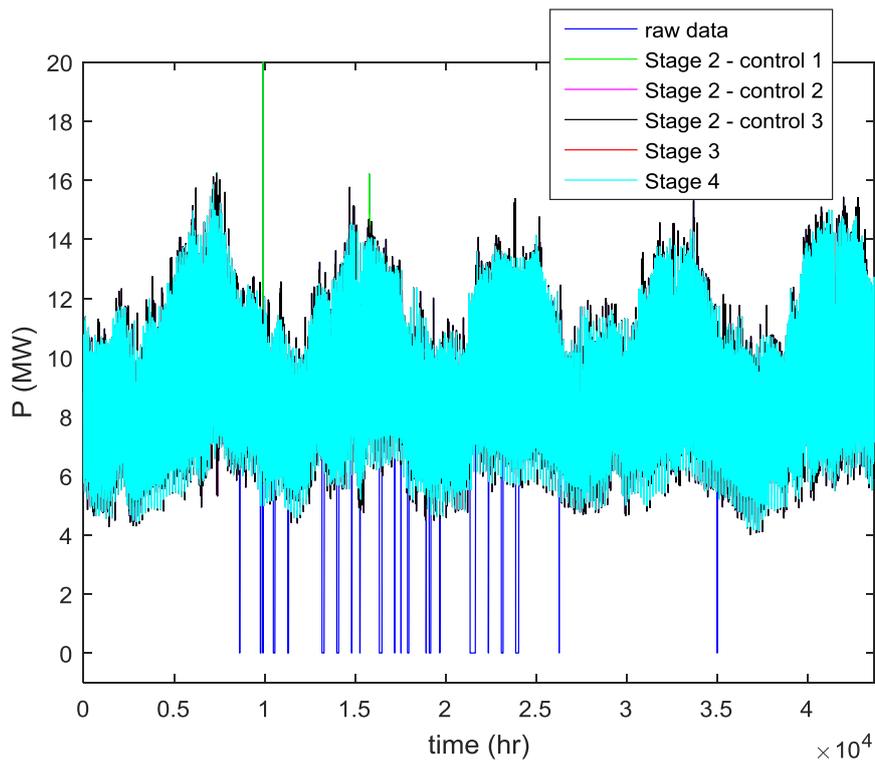


Fig. 16. Half-hourly processed P demand data of primary substation #6 of Electricity North West Ltd.

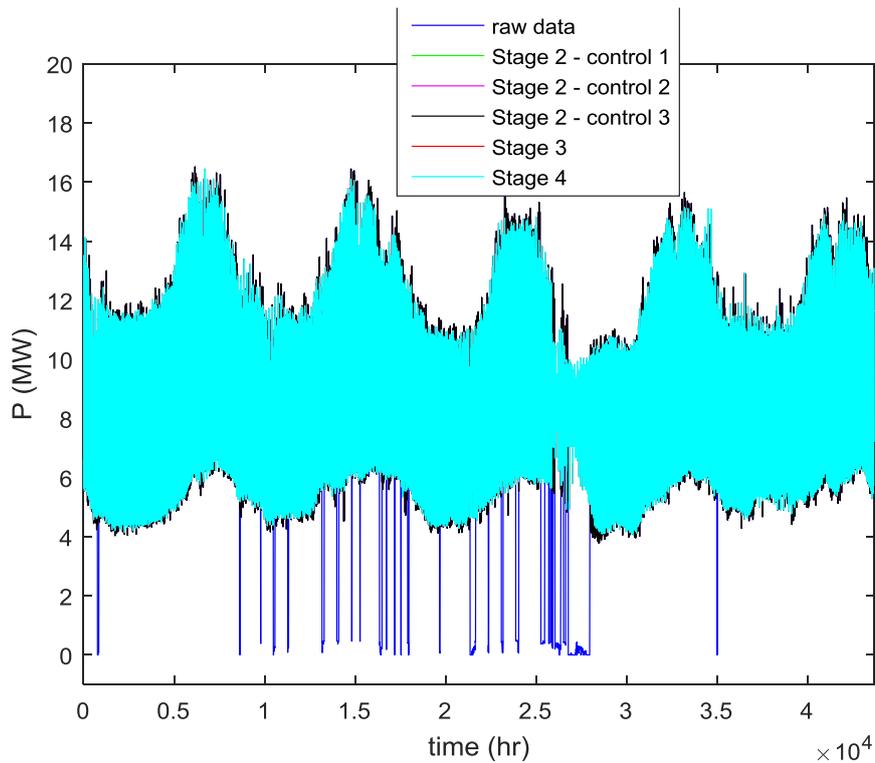


Fig. 17. Half-hourly processed P demand data of primary substation #7 of Electricity North West Ltd.

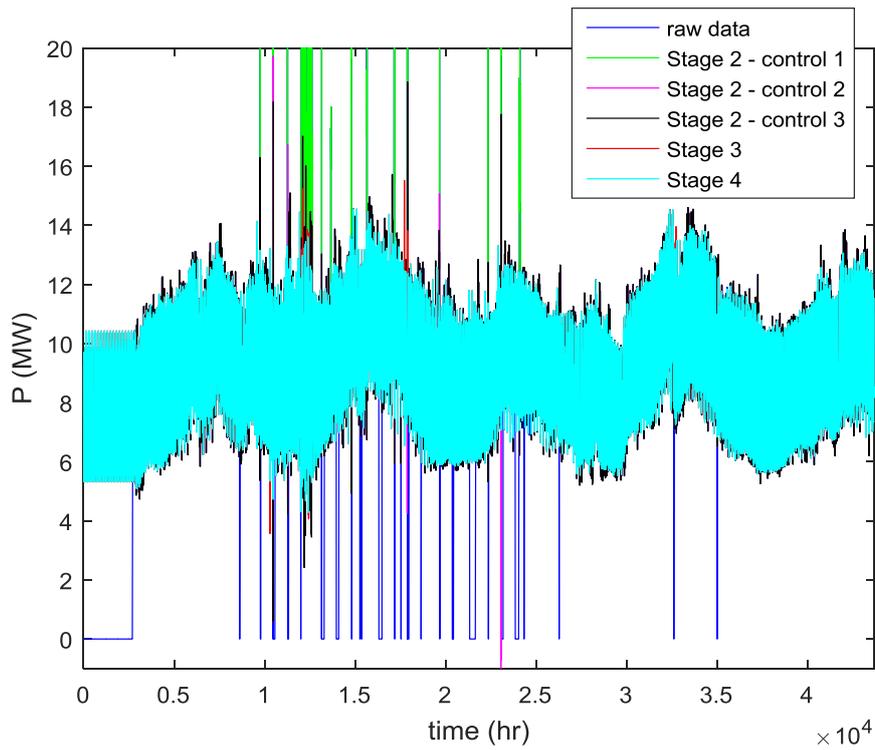


Fig. 18. Half-hourly processed P demand data of primary substation #8 of Electricity North West Ltd.

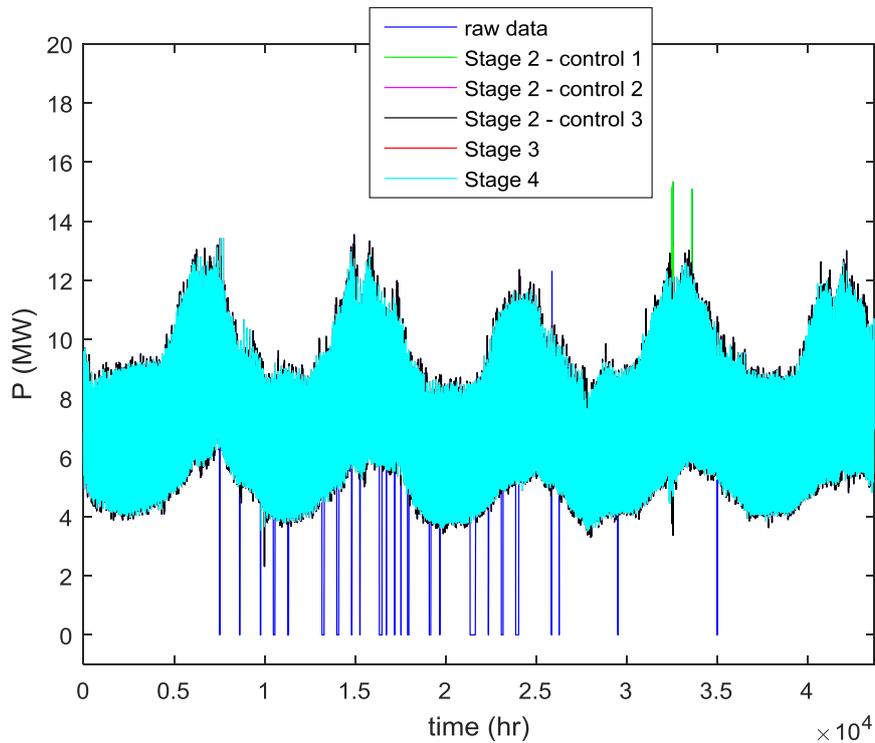


Fig. 19. Half-hourly processed P demand data of primary substation #9 of Electricity North West Ltd.

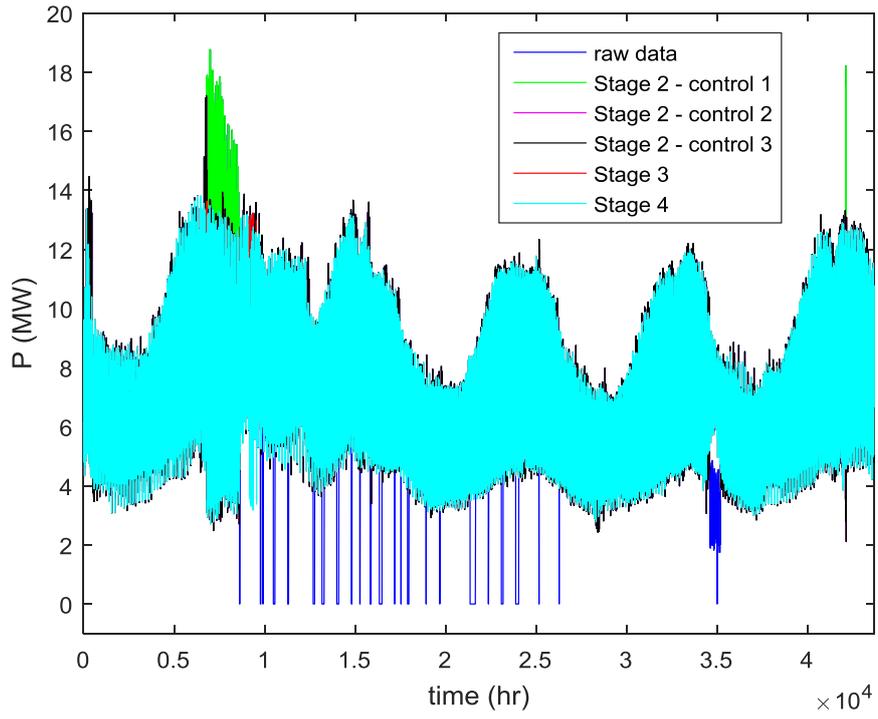


Fig. 20. Half-hourly processed P demand data of primary substation #10 of Electricity North West Ltd.