

Revised Draft Water Resources Management Plan 2024

Annex 7: Demand Forecast

June 2024
Version 0.1



from
**Southern
Water** 

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Glossary

Water Resource Zones (WRZs)

HAZ	Hampshire Andover
HKZ	Hampshire Kingsclere
HWZ	Hampshire Winchester
HRZ	Hampshire Rural
HSE	Hampshire Southampton East
HSW	Hampshire Southampton West
IOW	Isle of Wight
SNZ	Sussex North
SWZ	Sussex Worthing
SBZ	Sussex Brighton
KME	Kent Medway East
KMW	Kent Medway West
KTZ	Kent Thanet
SHZ	Sussex Hastings

Planning scenarios

NYAA	Normal Year Annual Average
DYAA	Dry Year Annual Average
DYCP	Dry Year Critical Period

Other

DI	Distribution Input
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1 Introduction

This annex covers the following:

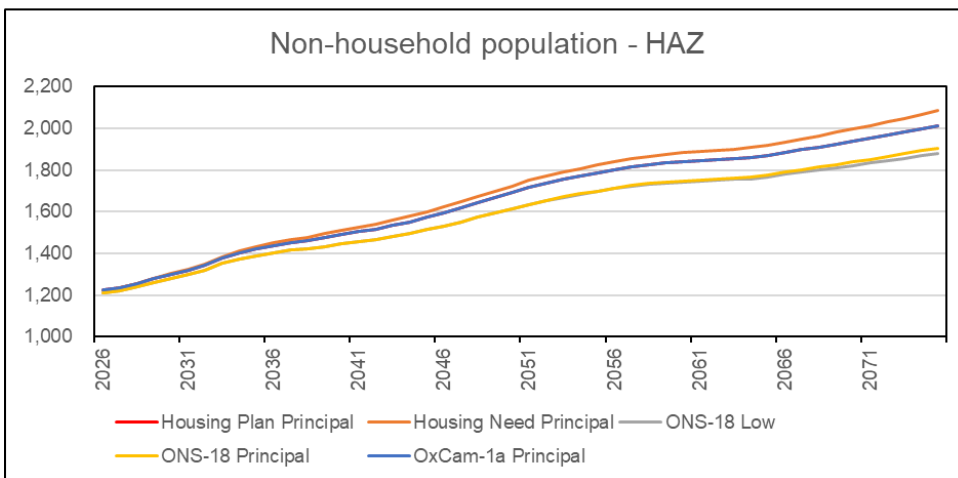
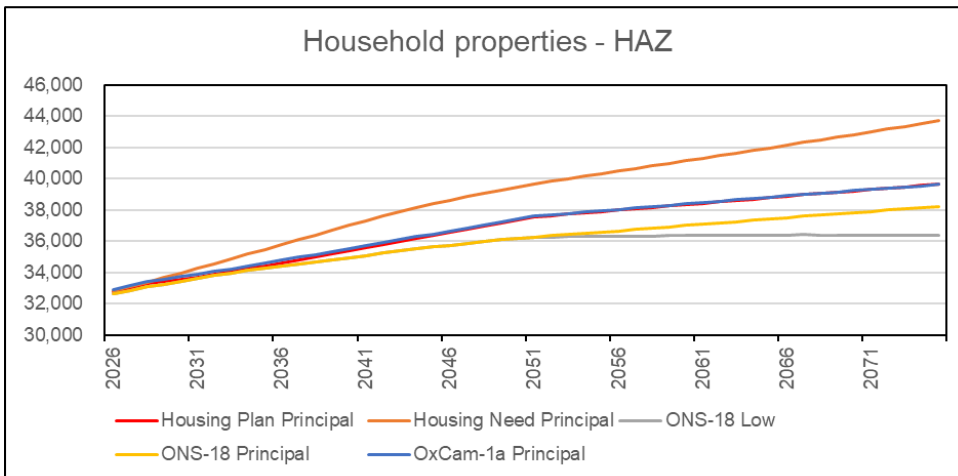
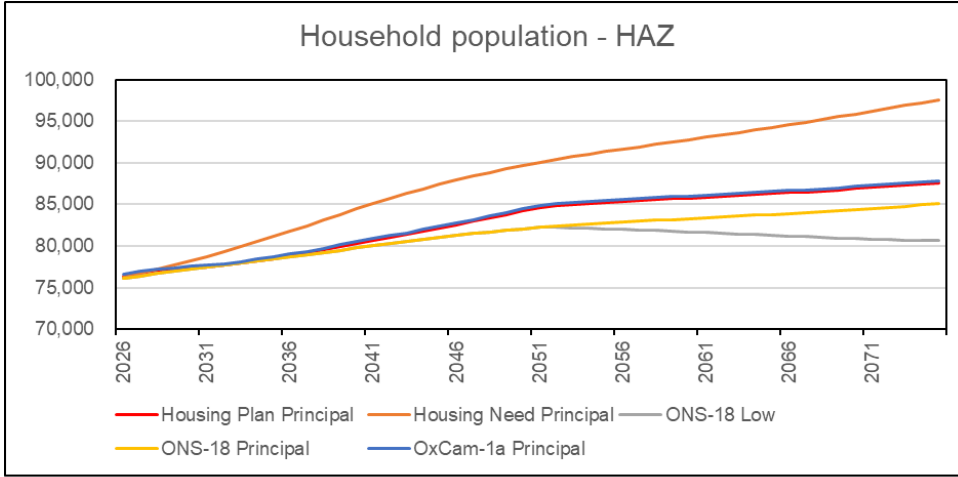
- Forecasts for household population, household properties and non-household population based on different projections for each water resource zone (WRZ) (Section 2)
- Range of baseline household demand forecasts covering the range of forecasts based on growth and climate change scenarios under four planning scenarios for each WRZ (Section 3)
- Baseline non-household demand forecast for each WRZ (Section 4).
- Range of baseline total Distribution Input (DI) forecasts based on household and non-household demand forecasts in sections 3 and 4 respectively and baseline leakage (Section 5).

In addition, the following documents are attached to this annex.

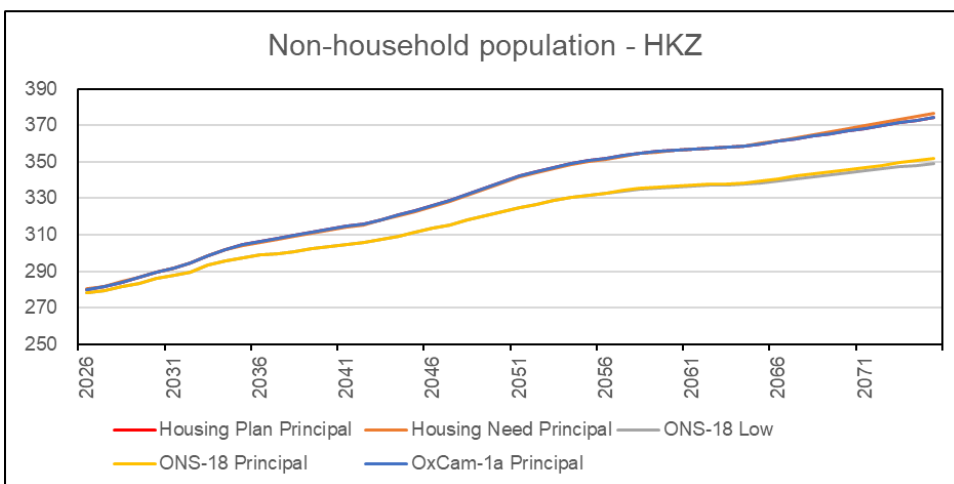
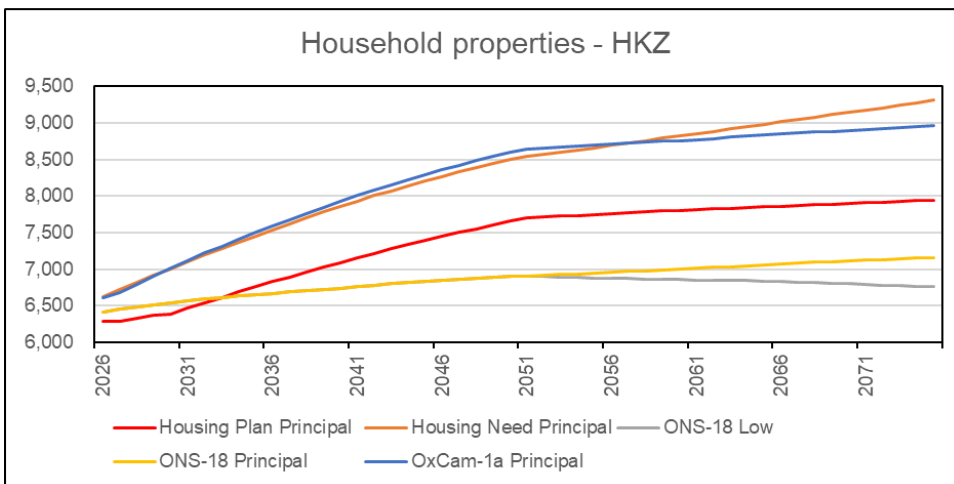
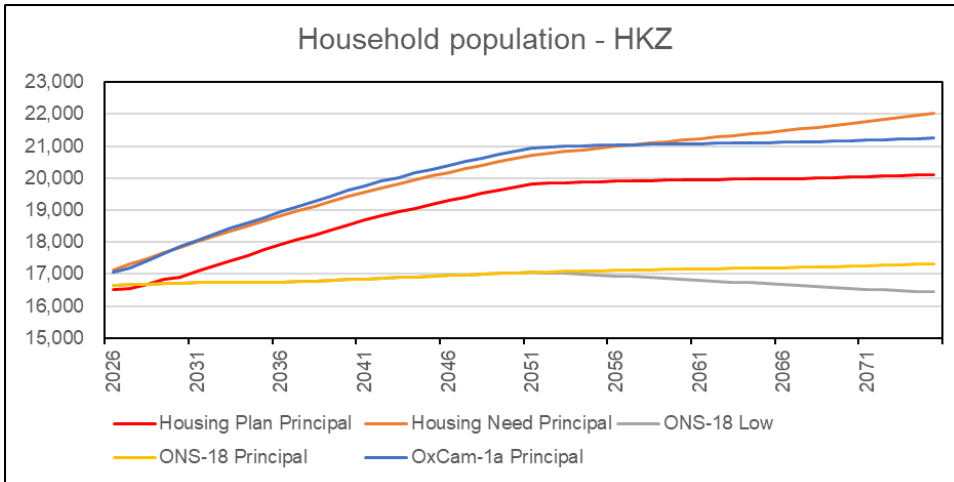
- Annex 7a report on the development of growth forecast for the draft Water Resources Management Plan 2024 (dWRMP24)
- Annex 7b report of the update to growth forecast for the revised dWRMP24 (rdWRMP24).
- Annex 7c report covering the original demand forecast methodology developed for dWRMP24.
- Annex 7d report on non-household demand forecast developed for dWRMP24.
- Annex 7e report on update to non-household demand forecast for rdWRMP24.

2 Growth Forecast by WRZ

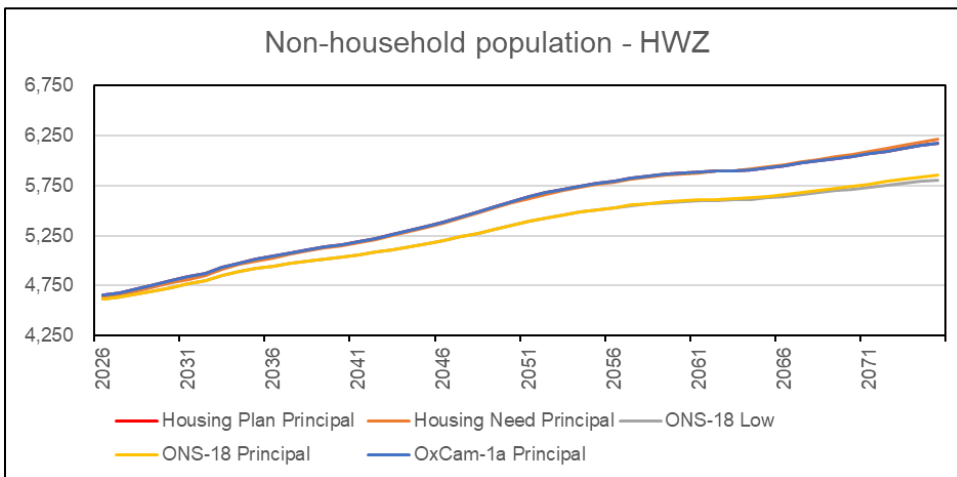
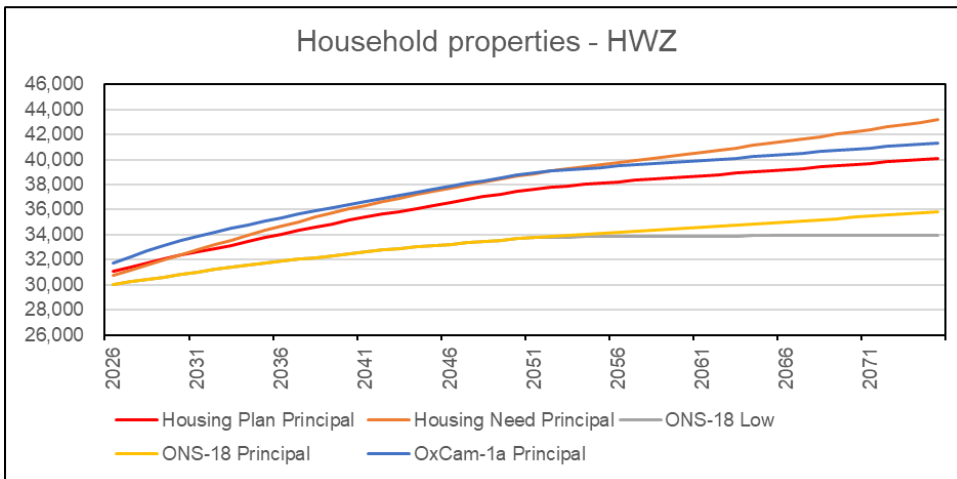
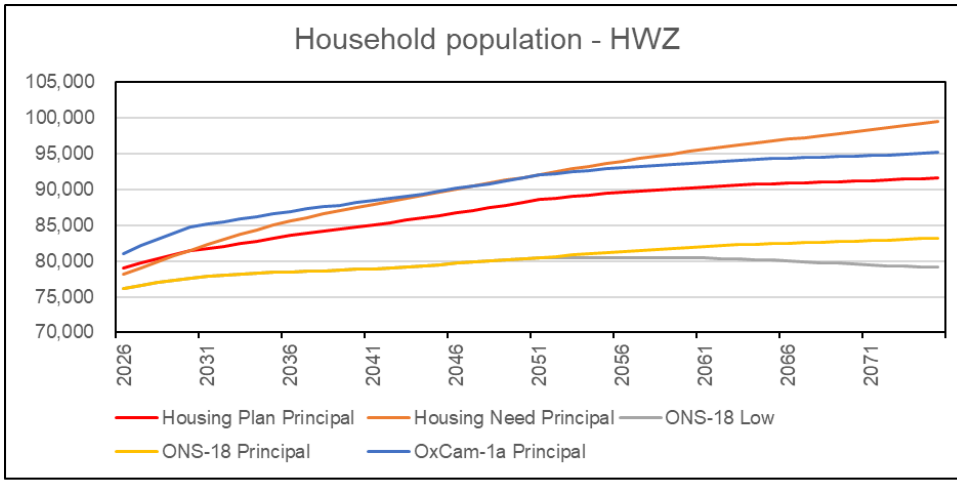
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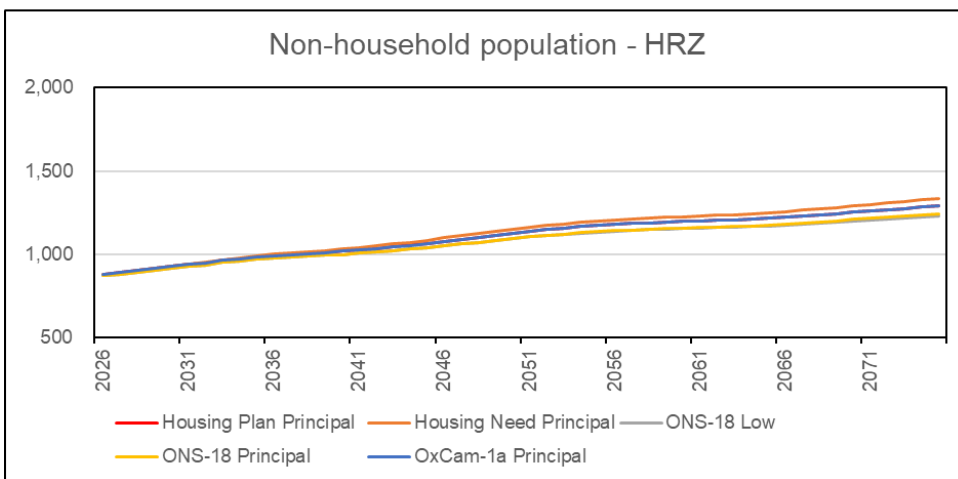
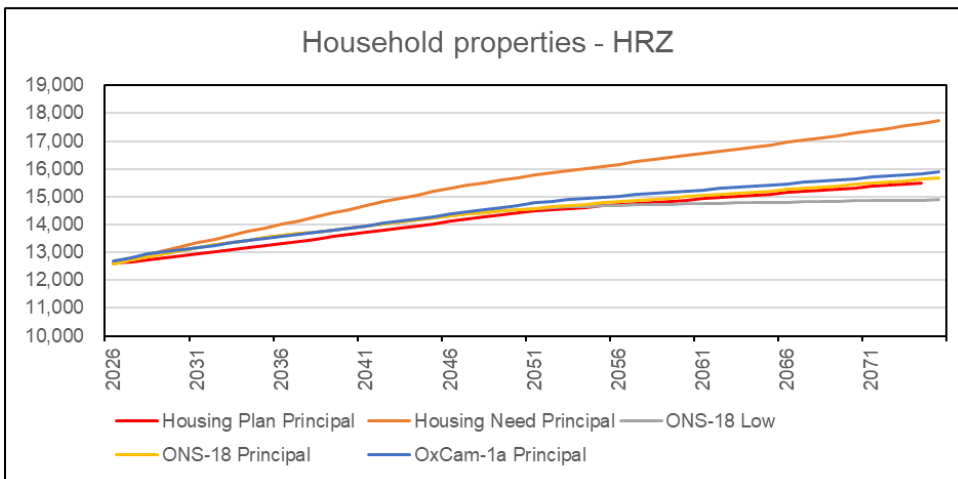
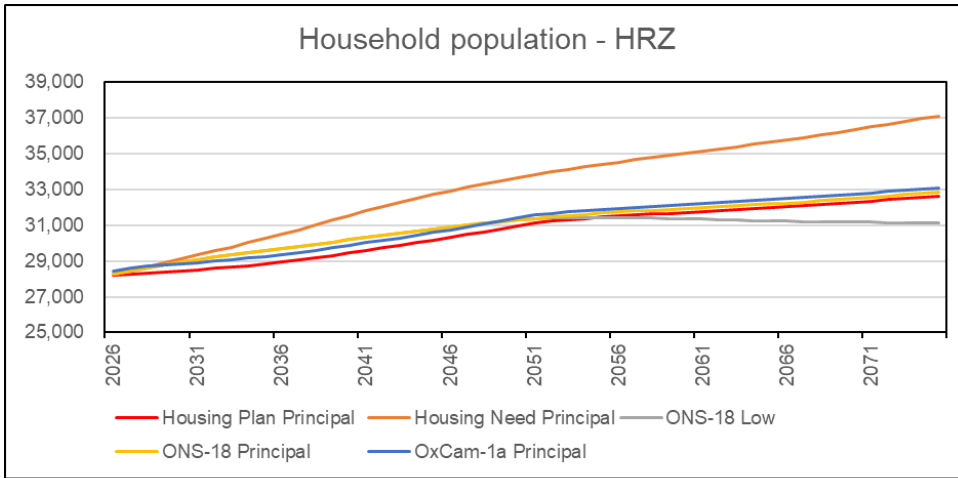
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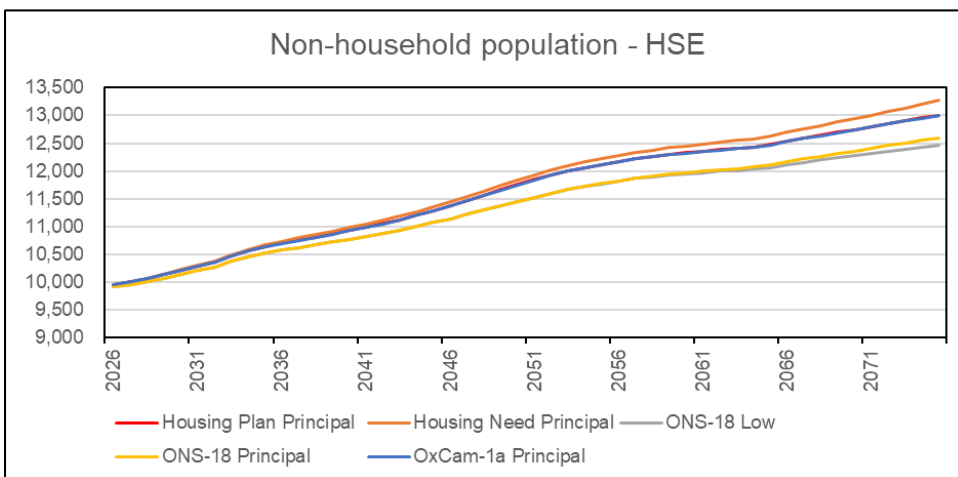
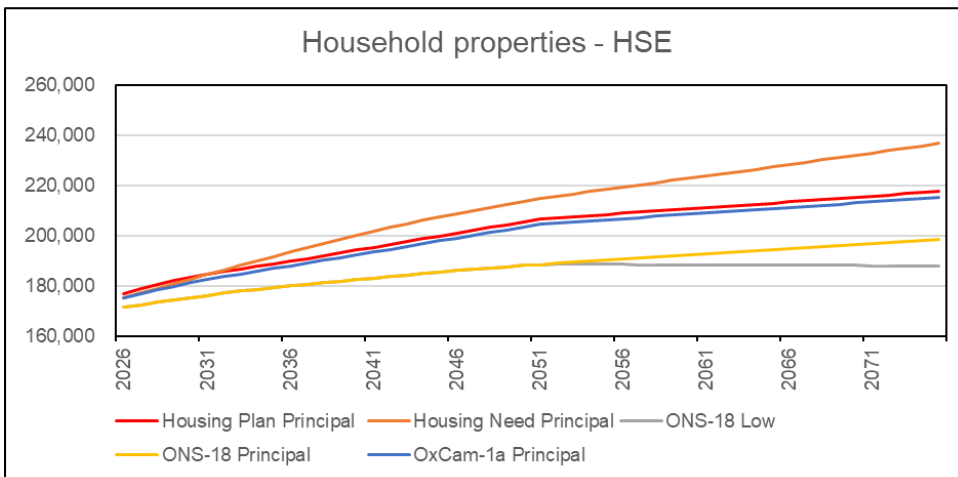
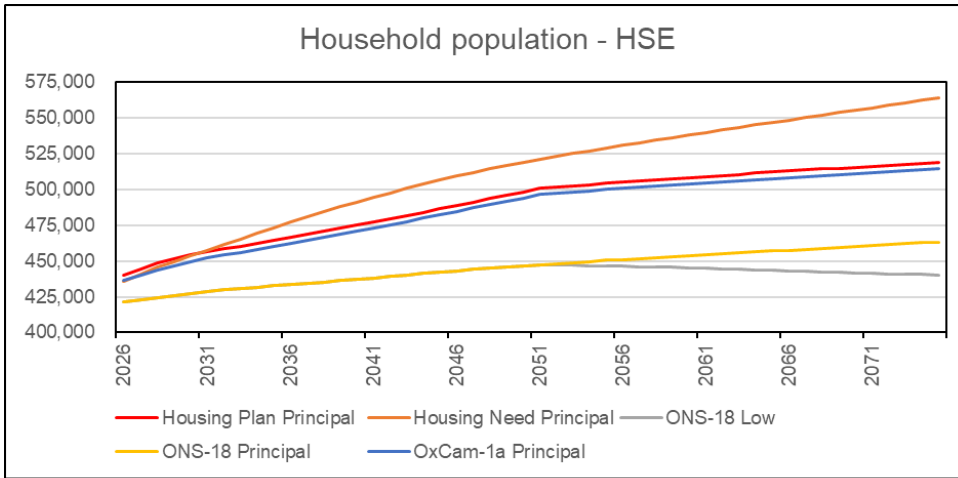
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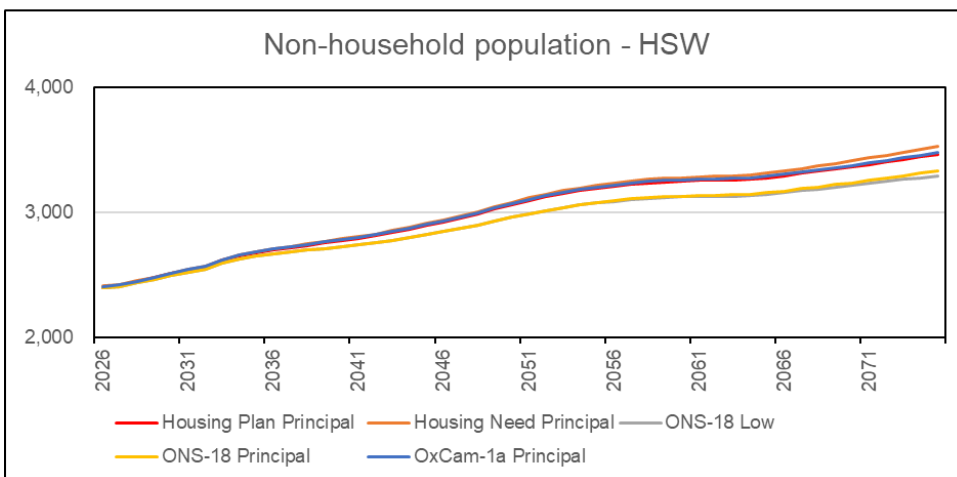
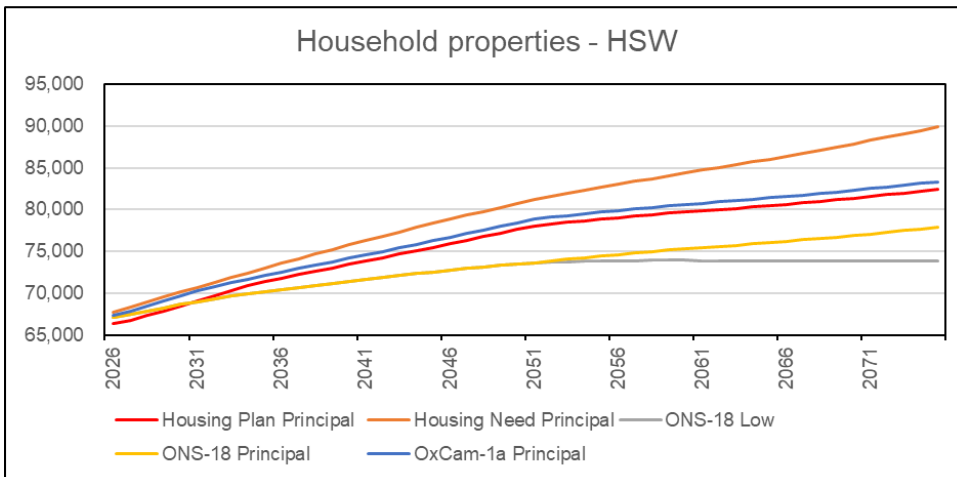
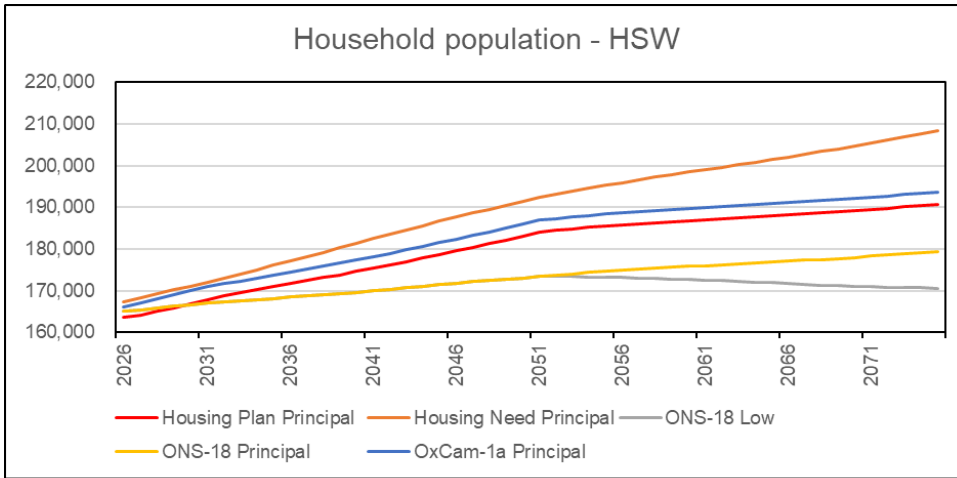
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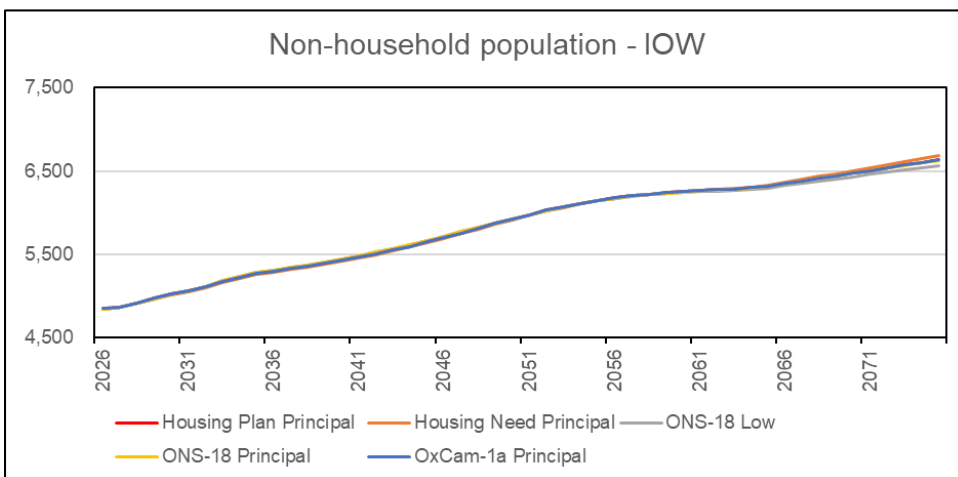
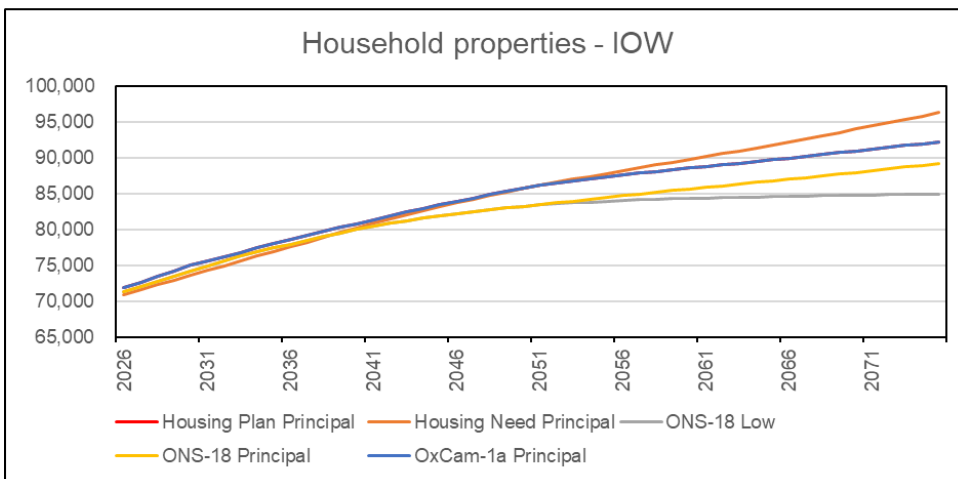
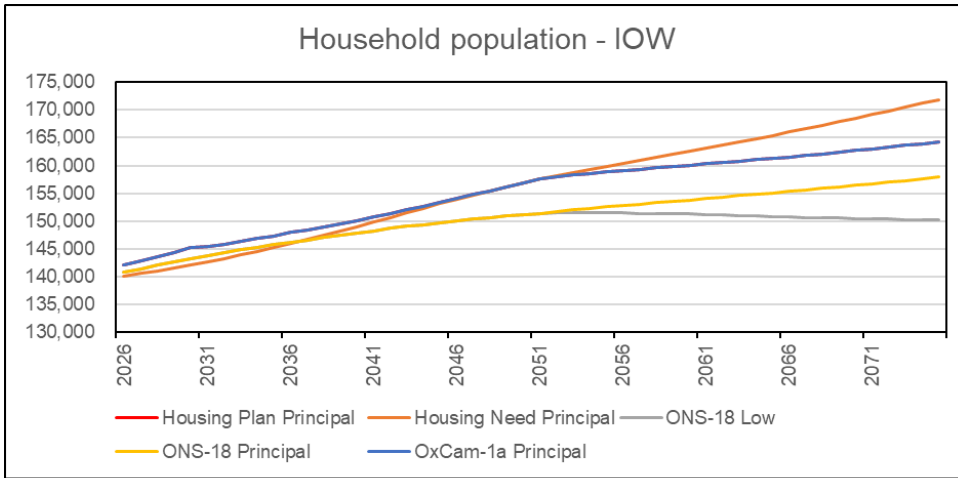
2.5 Hampshire Southampton East (HSE)



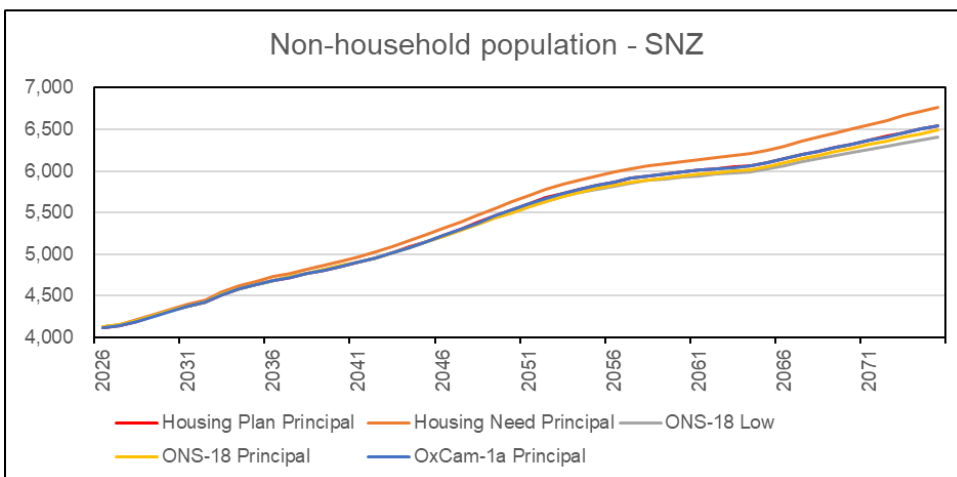
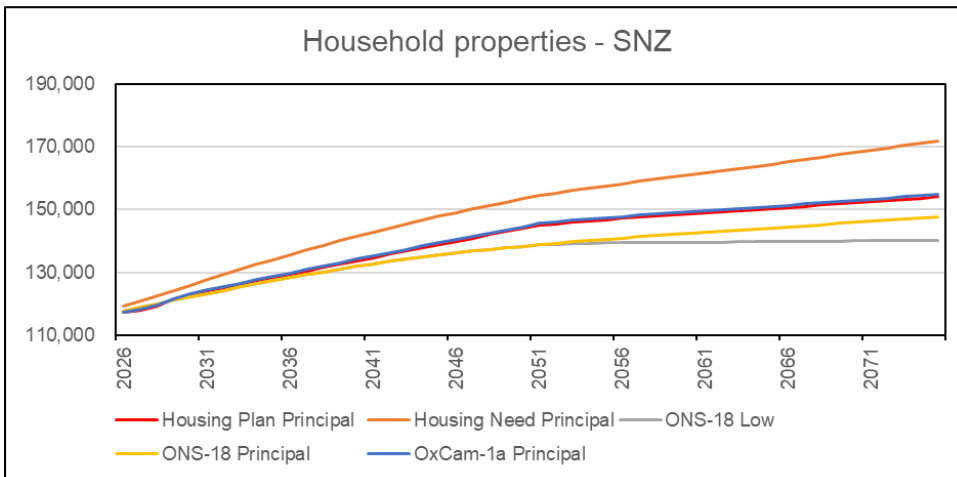
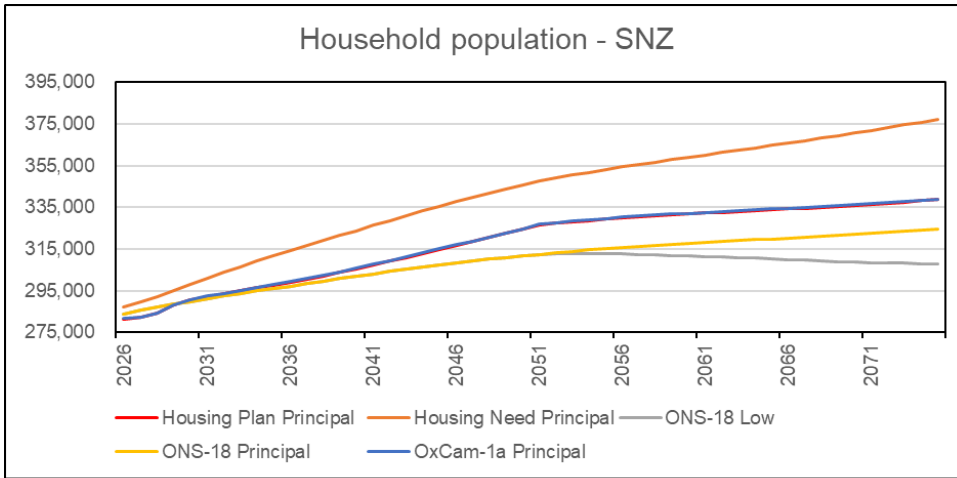
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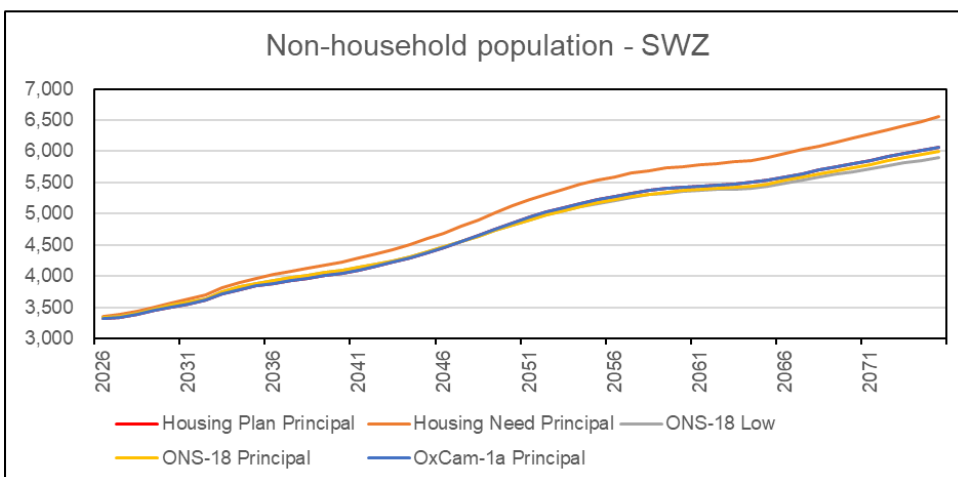
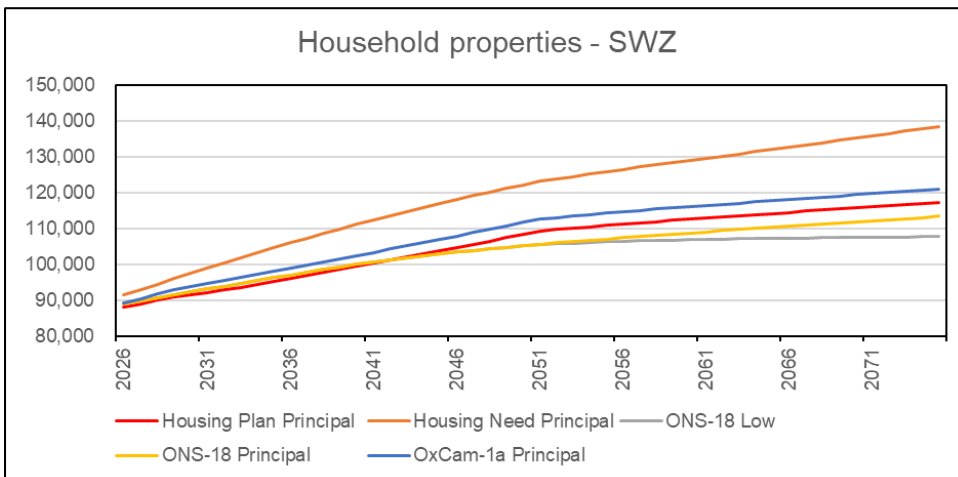
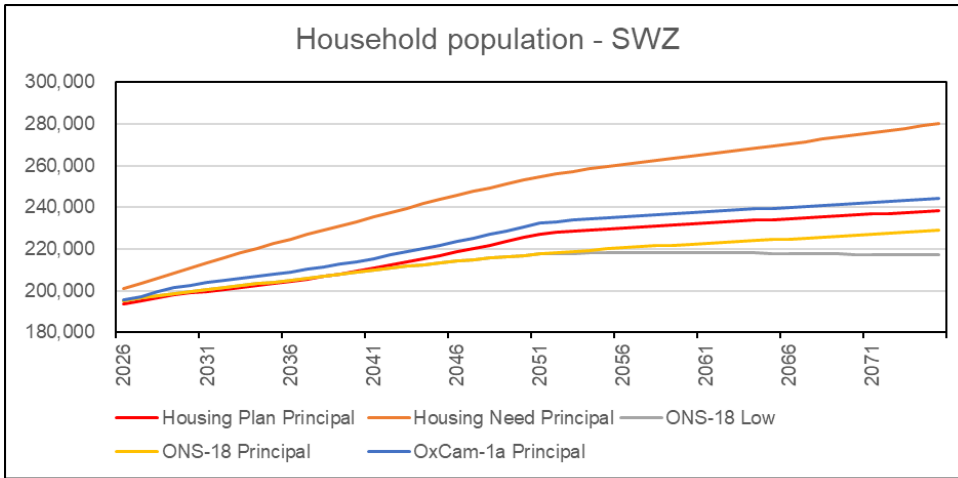
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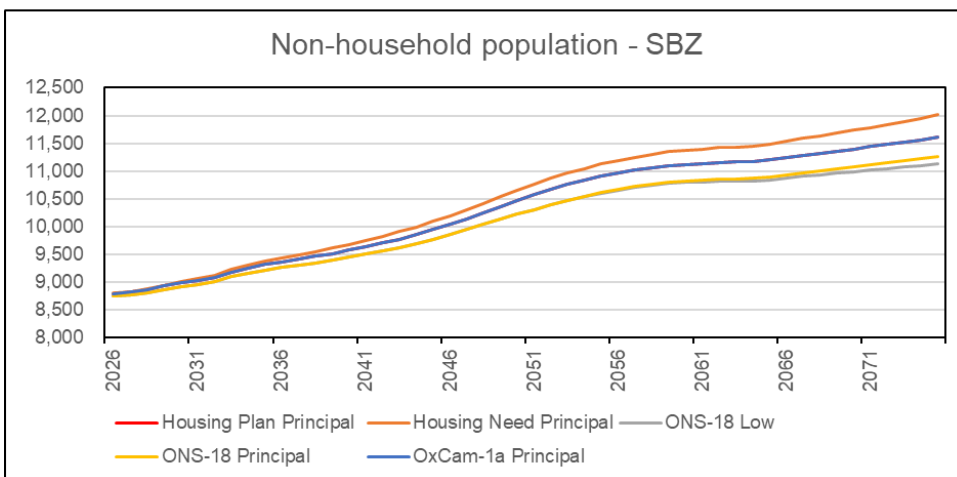
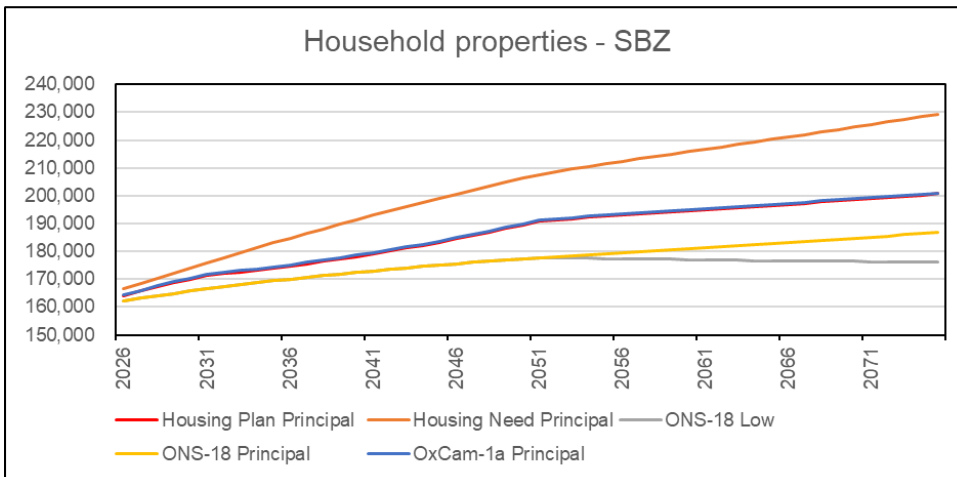
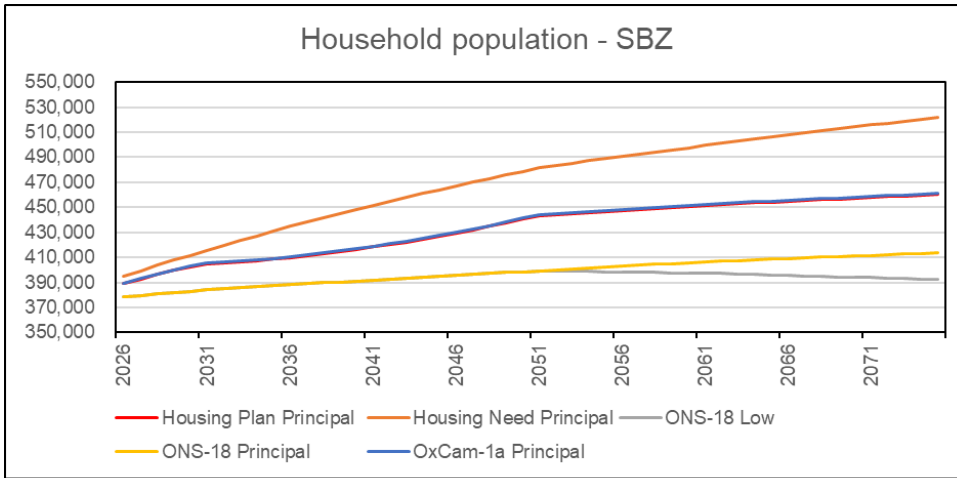
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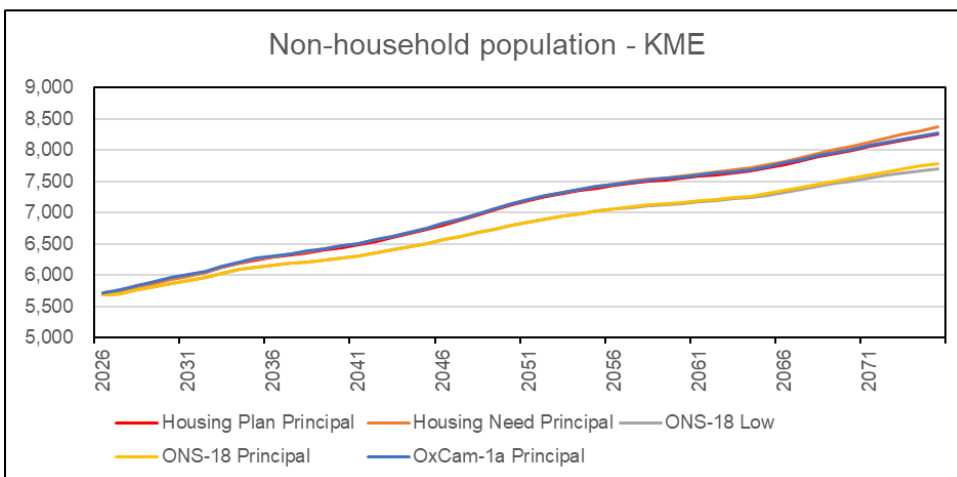
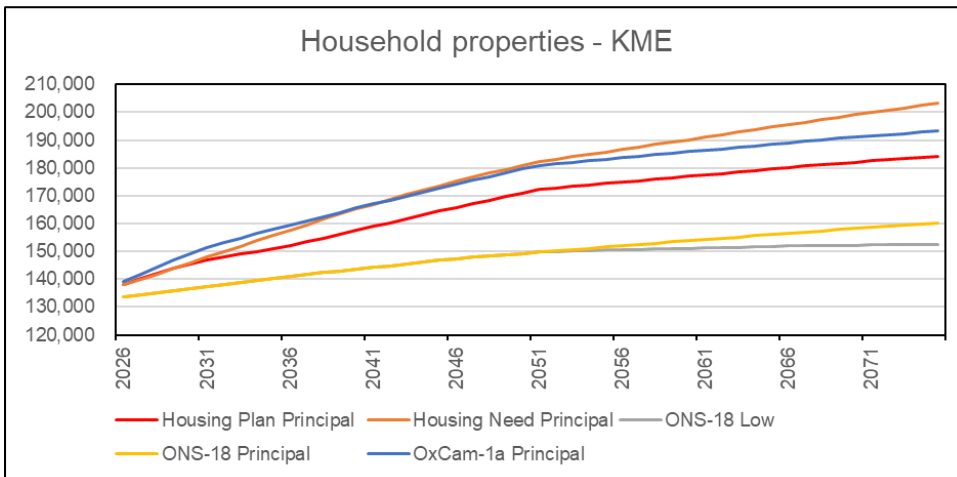
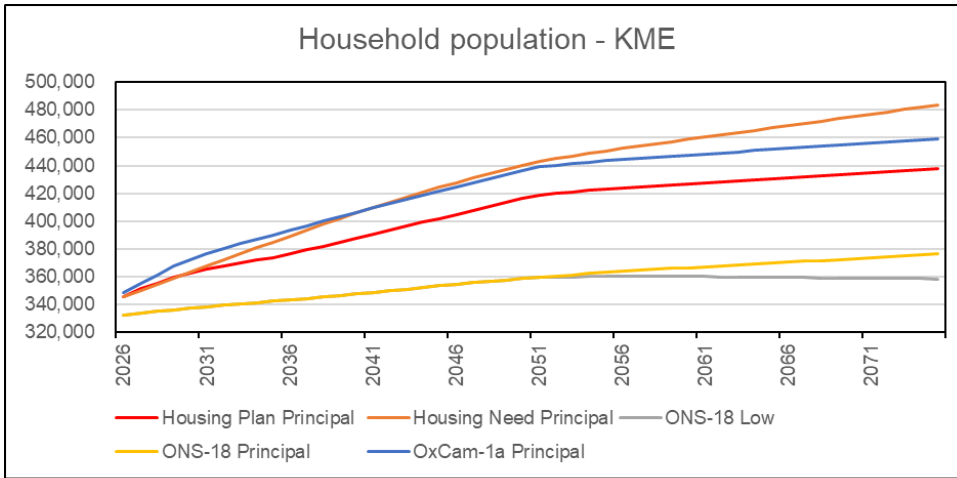
2.9 Sussex Worthing (SWZ)



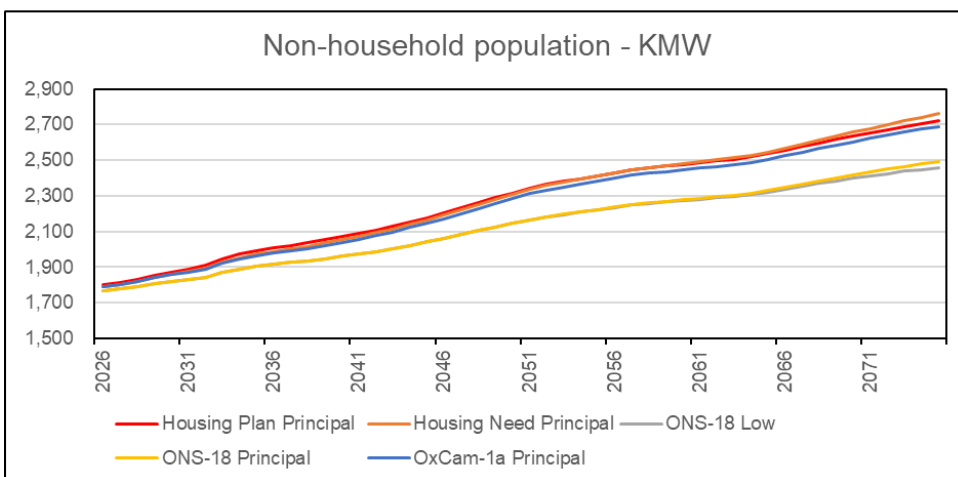
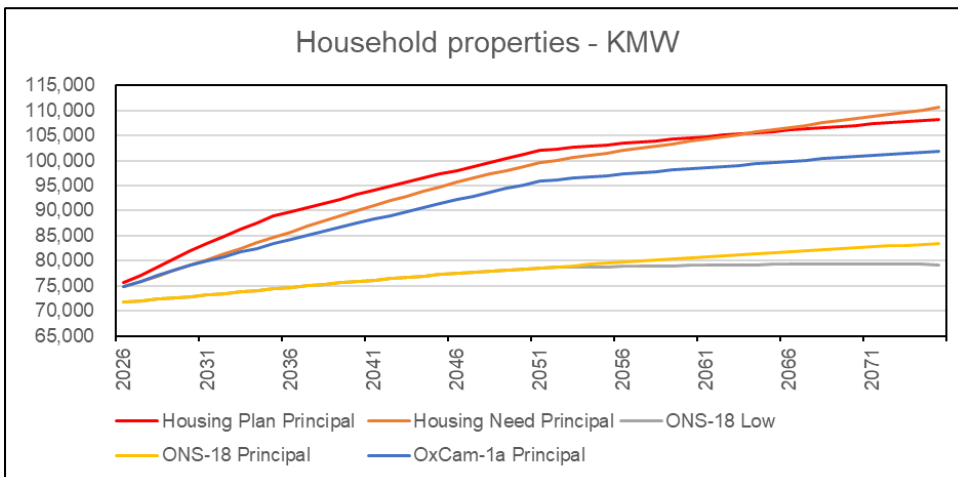
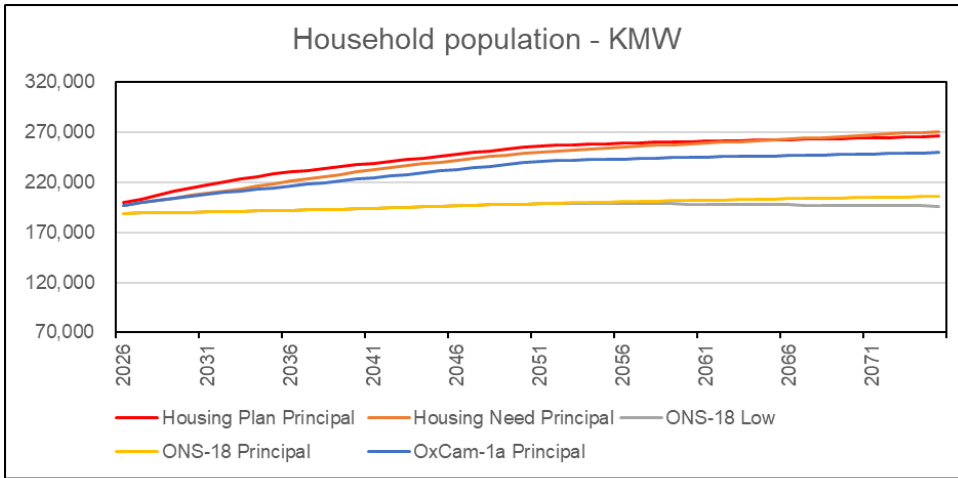
2.10 Sussex Brighton (SBZ)



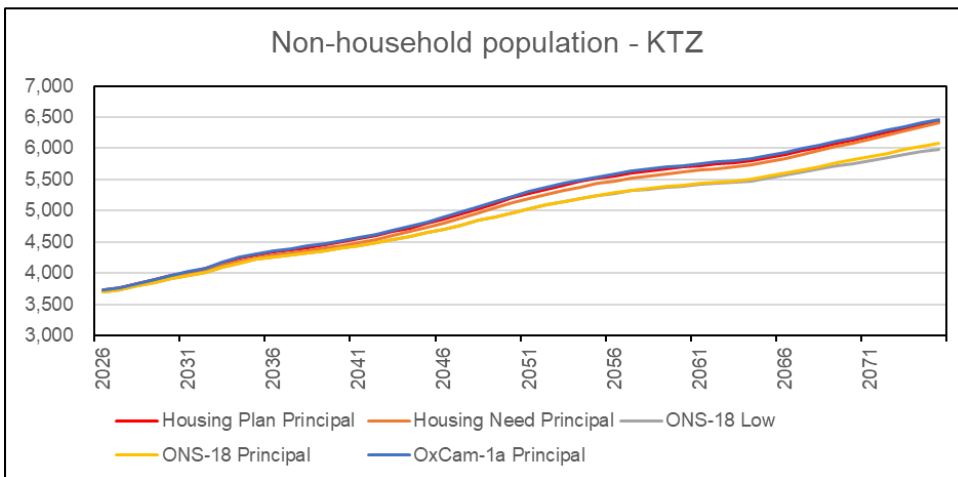
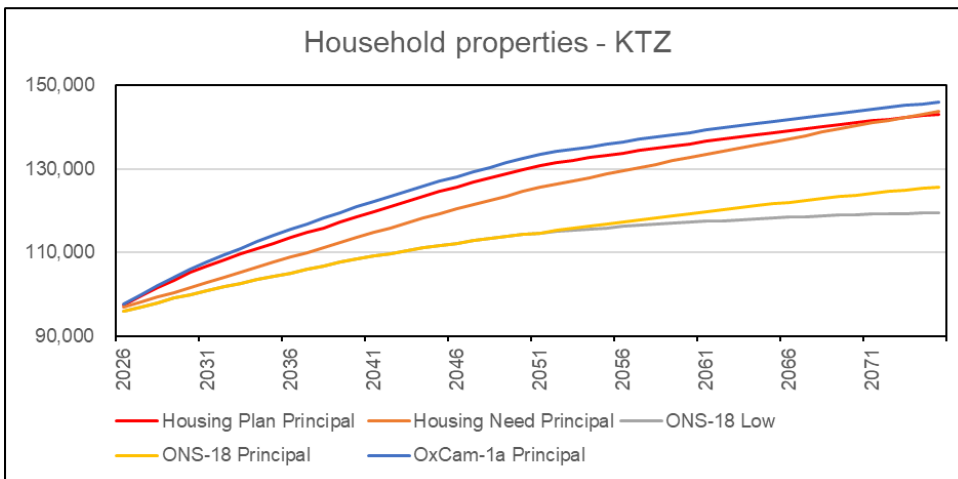
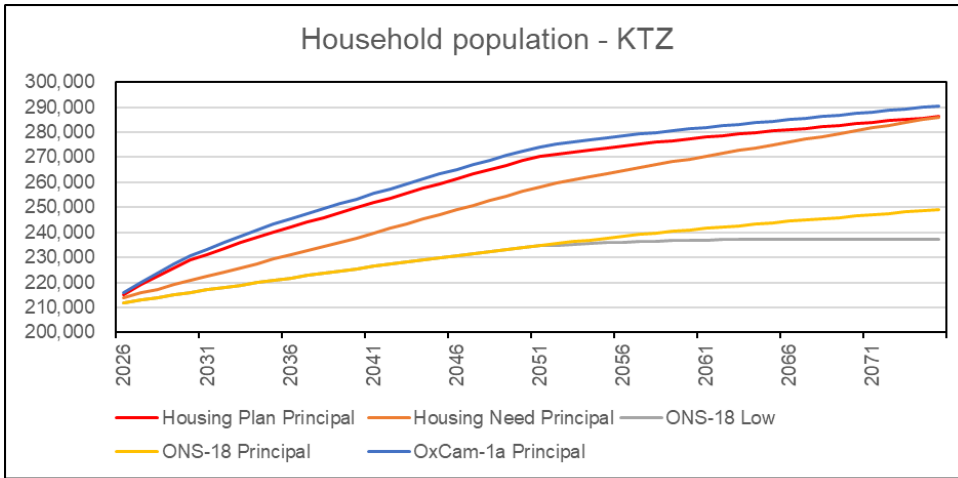
2.11 Kent Medway East (KME)



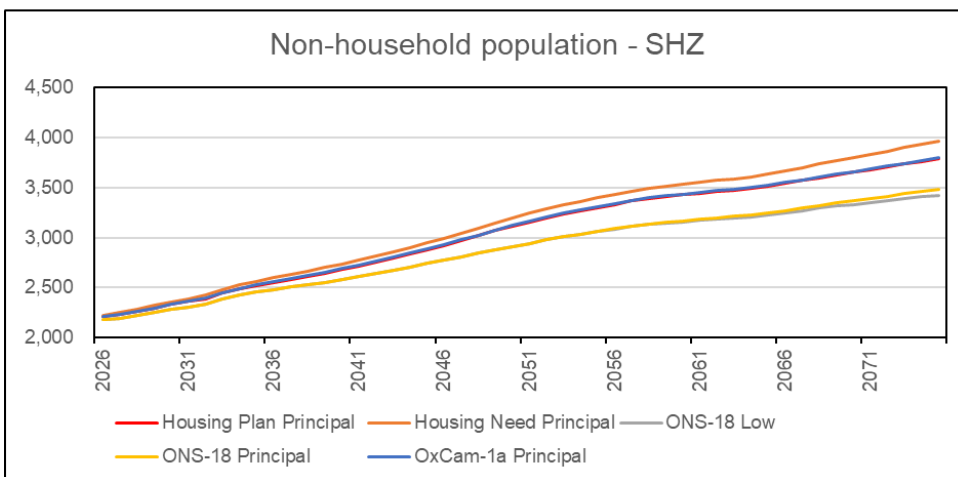
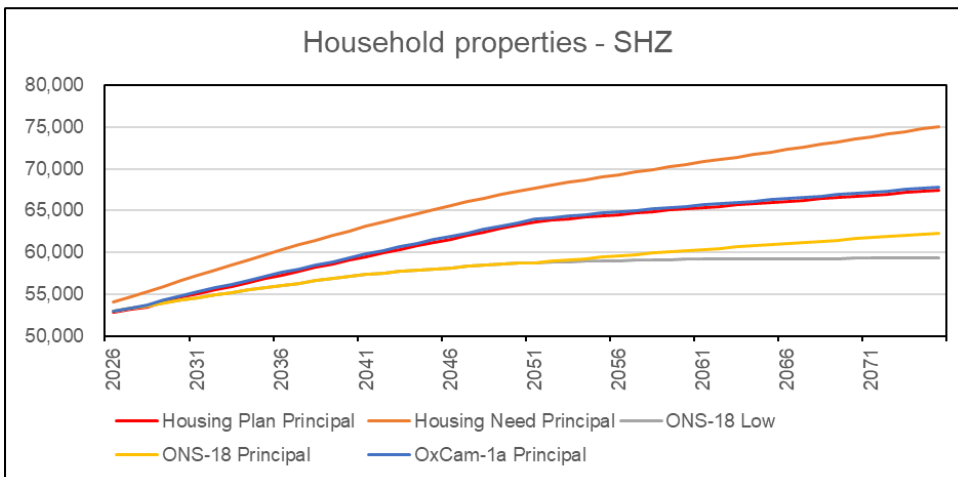
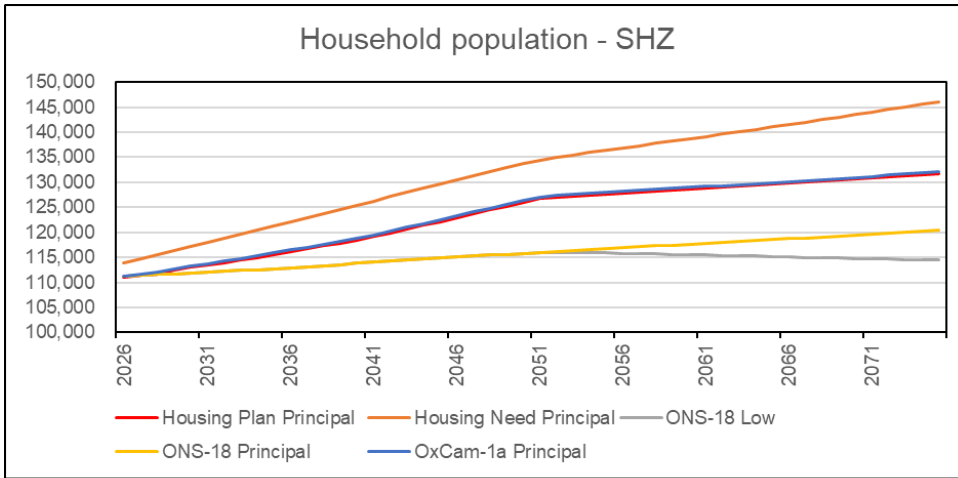
2.12 Kent Medway West



2.13 Kent Thanet (KTZ)



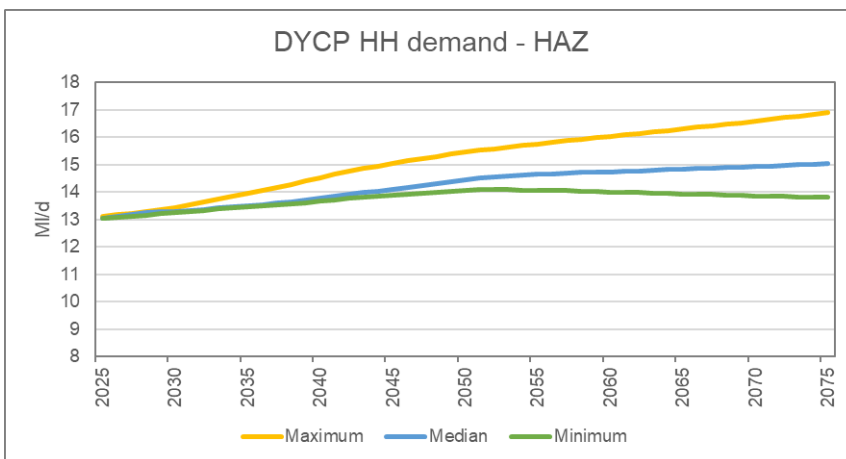
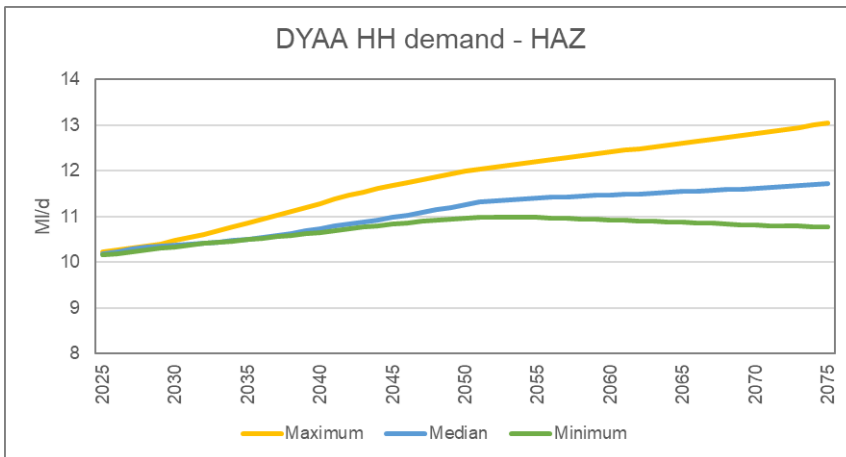
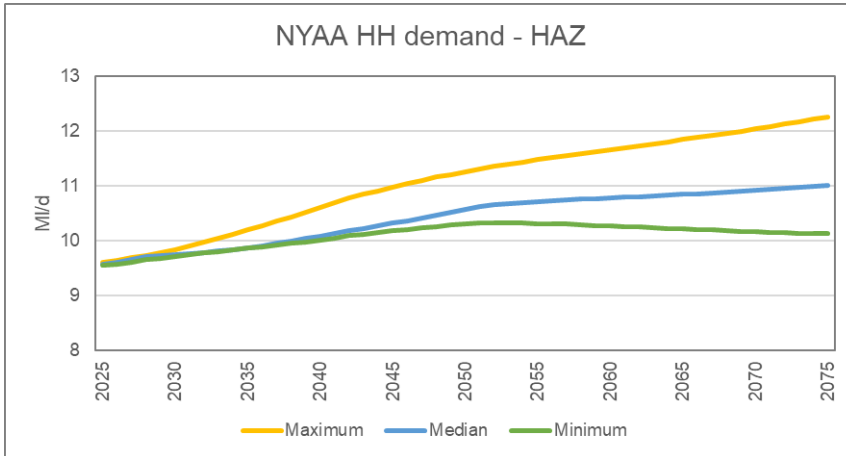
2.14 Sussex Hastings (SHZ)



3 Baseline Household Demand Forecast by WRZ

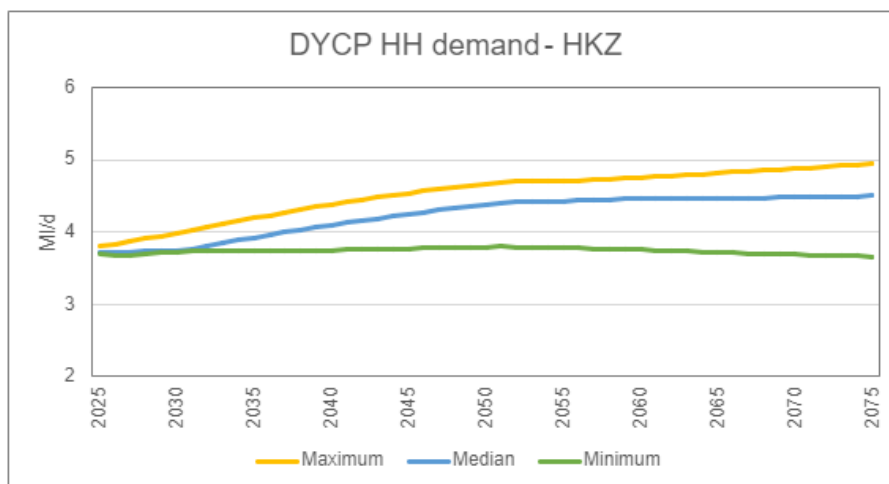
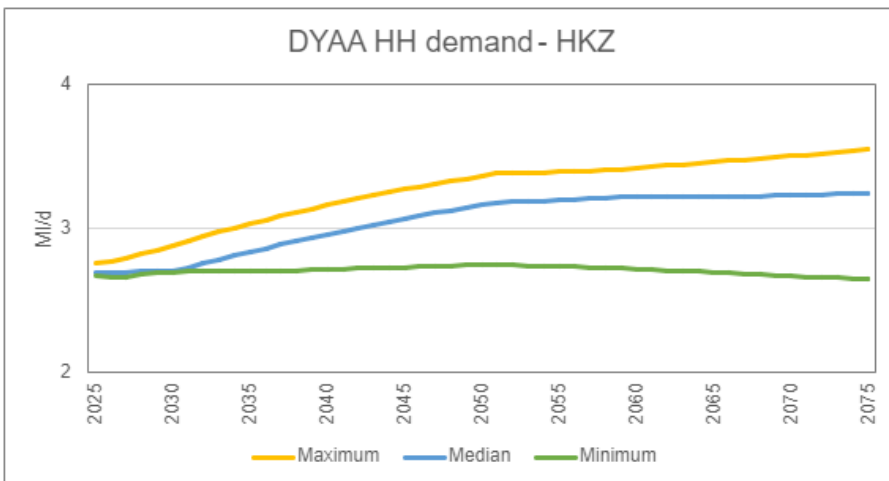
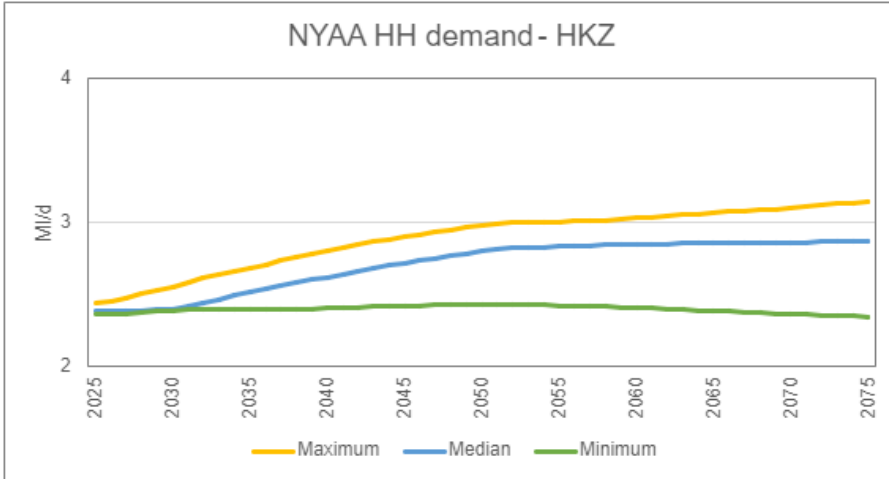
3.1 Hampshire Andover (HAZ)

NYAA = Normal Year Annual Average; DYAA = Dry Year Annual Average; DYCP = Dry Year Critical Period



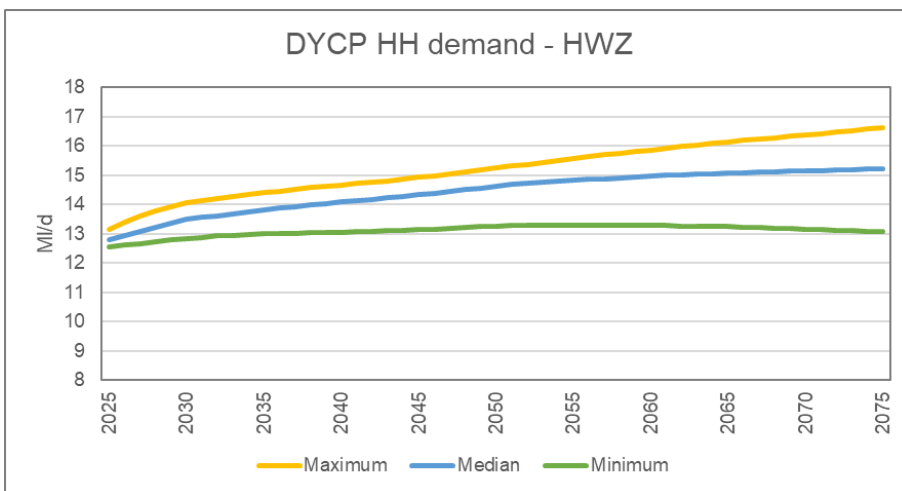
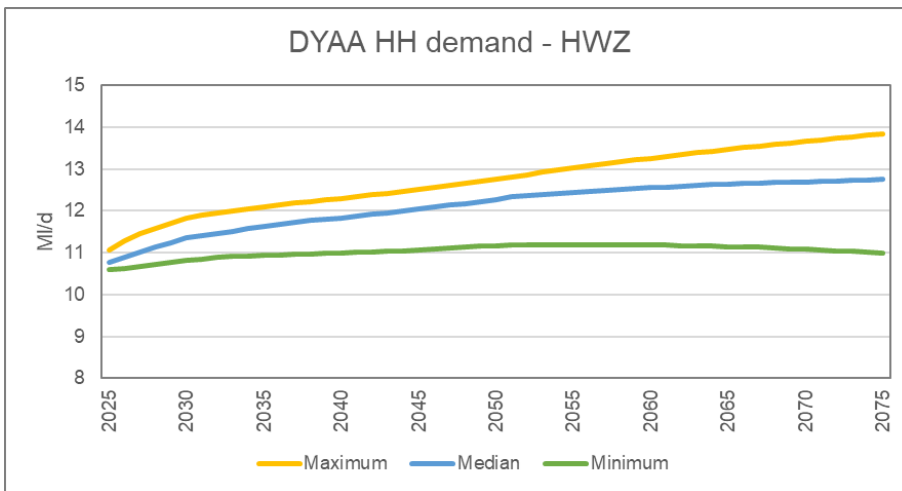
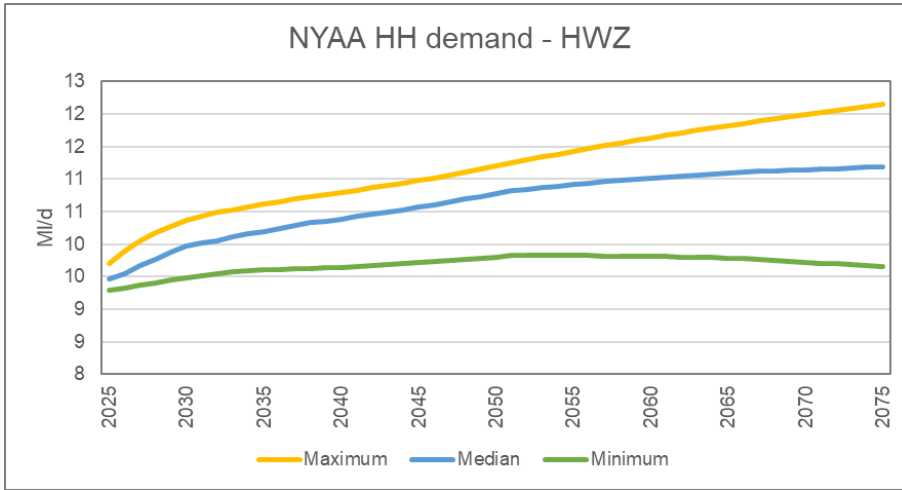
3.2 Hampshire Kingsclere (HKZ)

NYAA = Normal Year Annual Average; DYAA = Dry Year Annual Average; DYCP = Dry Year Critical Period



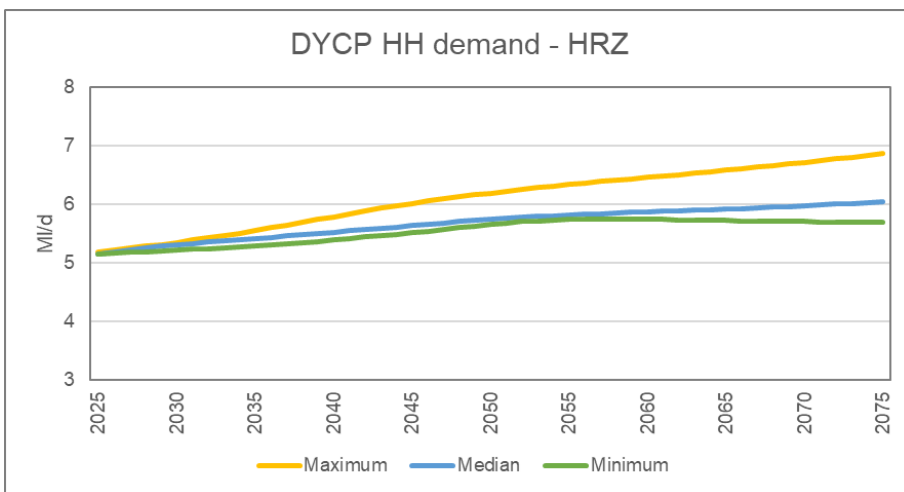
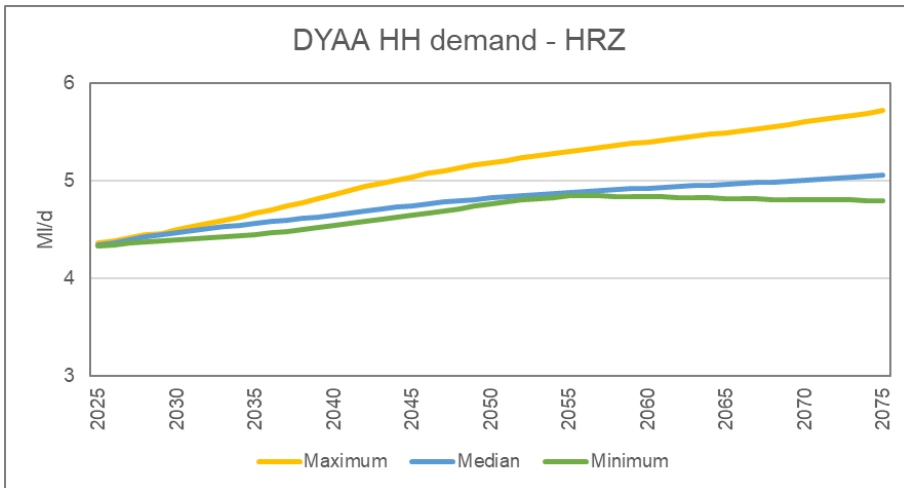
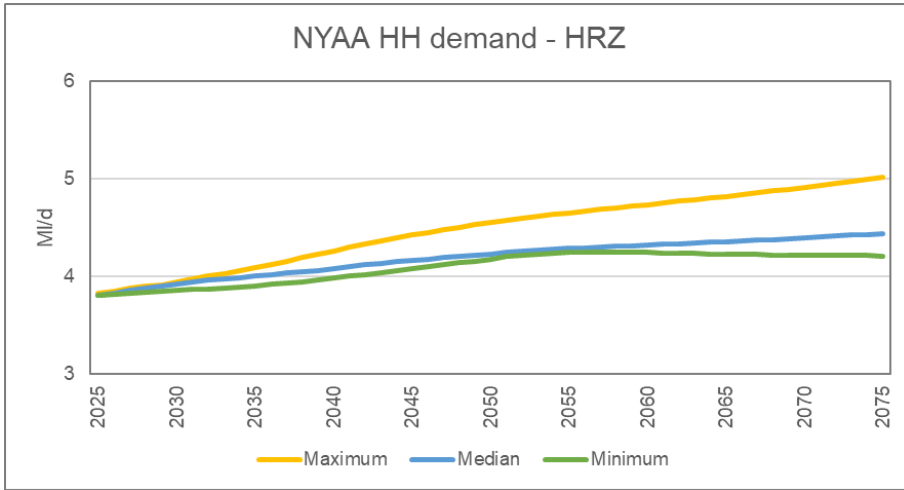
3.3 Hampshire Winchester (HWZ)

NYAA = Normal Year Annual Average; DYAA = Dry Year Annual Average; DYCP = Dry Year Critical Period



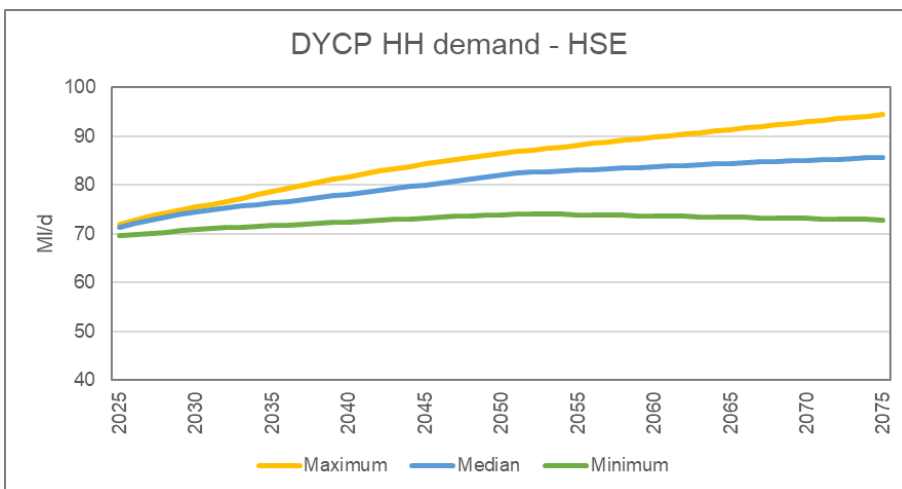
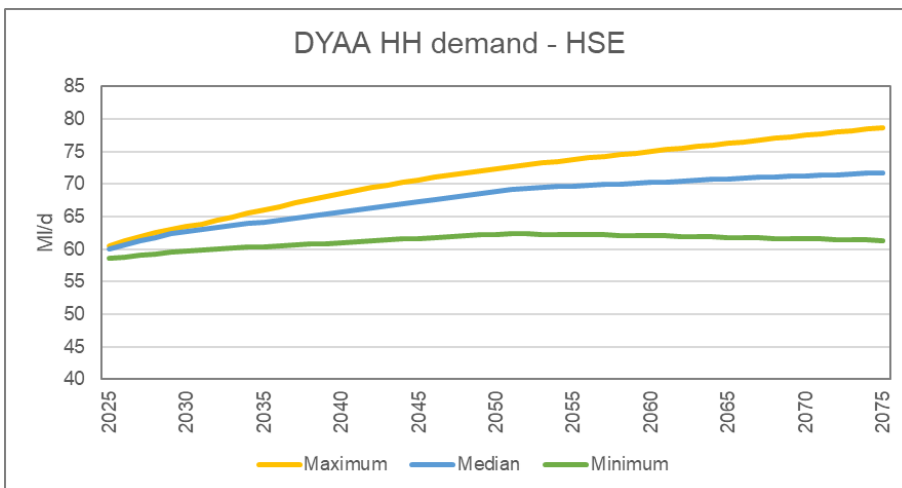
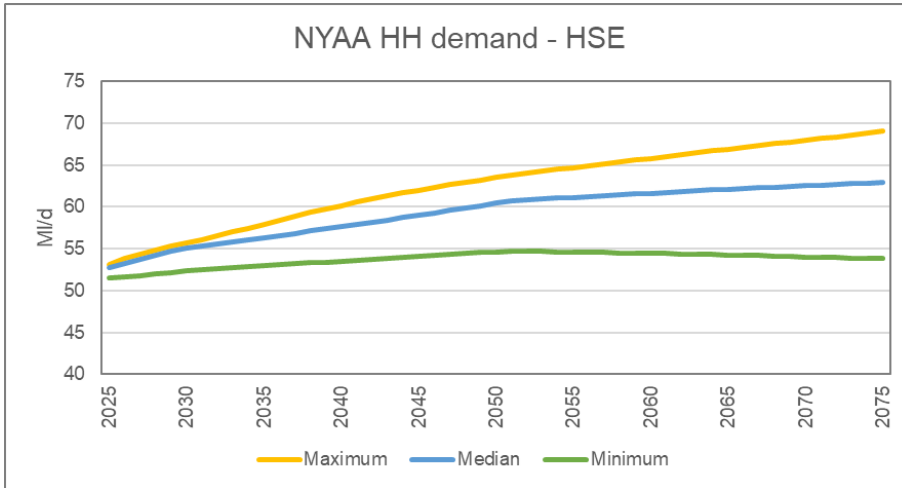
3.4 Hampshire Rural (HRZ)

NYAA = Normal Year Annual Average; DYAA = Dry Year Annual Average; DYCP = Dry Year Critical Period



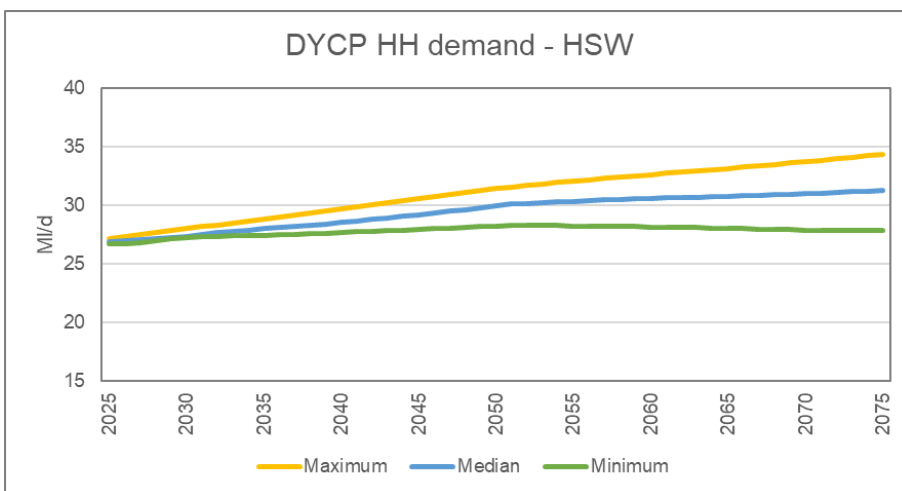
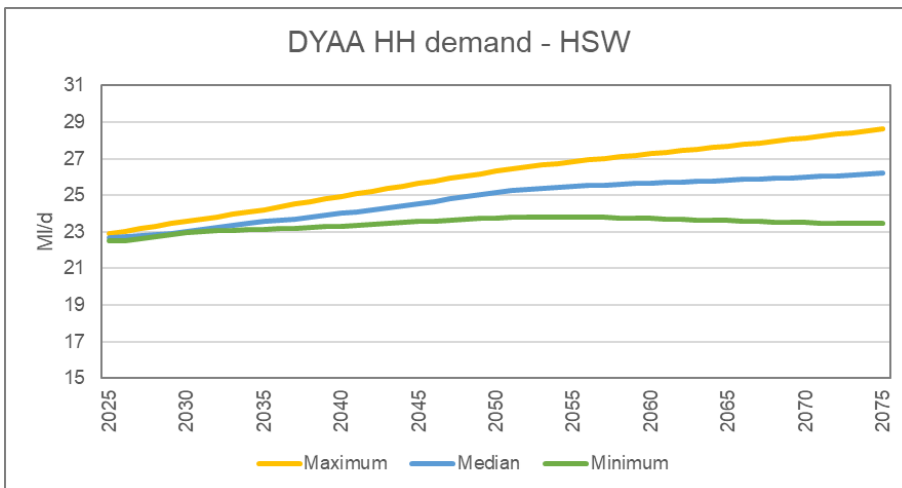
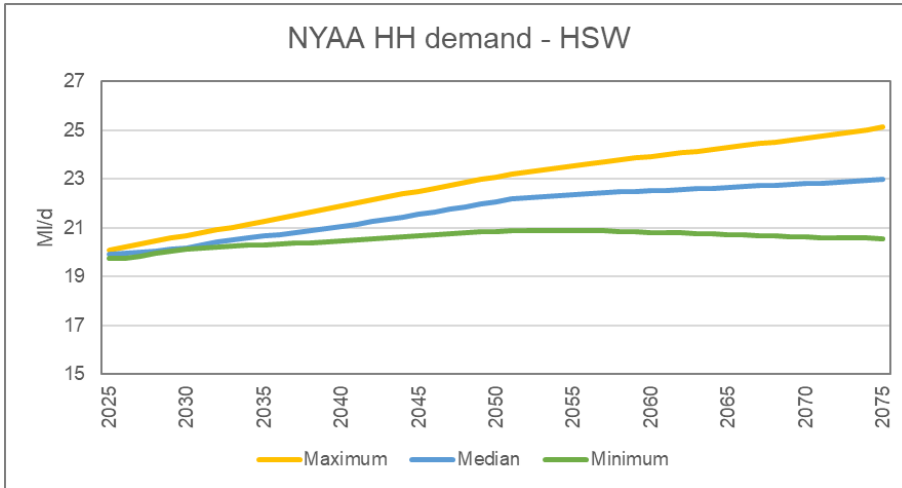
3.5 Hampshire Southampton East (HSE)

NYAA = Normal Year Annual Average; DYAA = Dry Year Annual Average; DYCP = Dry Year Critical Period



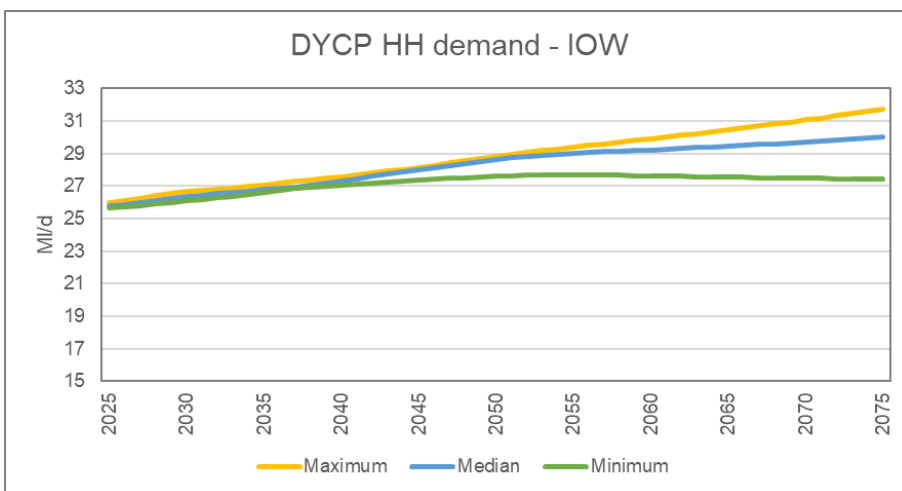
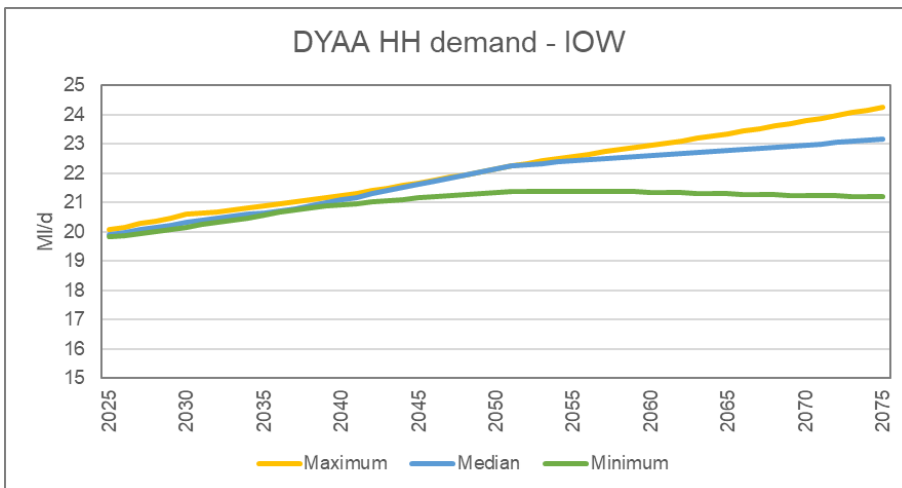
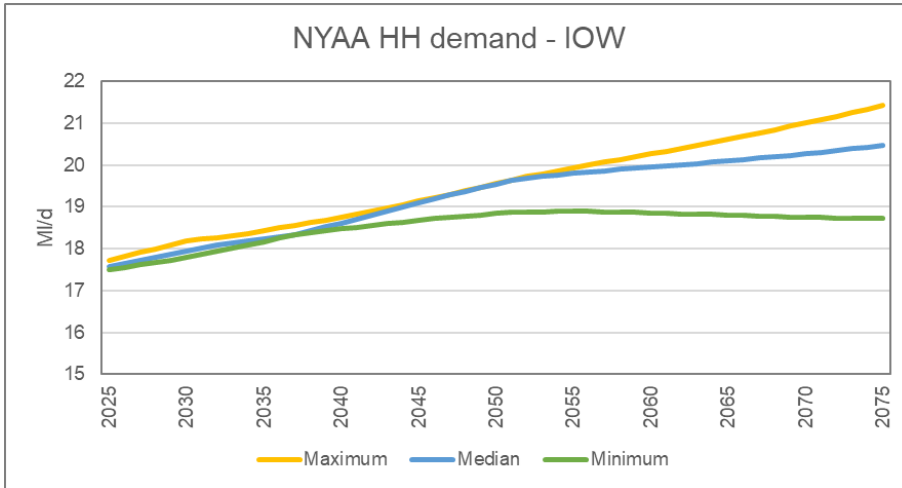
3.6 Hampshire Southampton West (HSW)

NYAA = Normal Year Annual Average; DYAA = Dry Year Annual Average; DYCP = Dry Year Critical Period



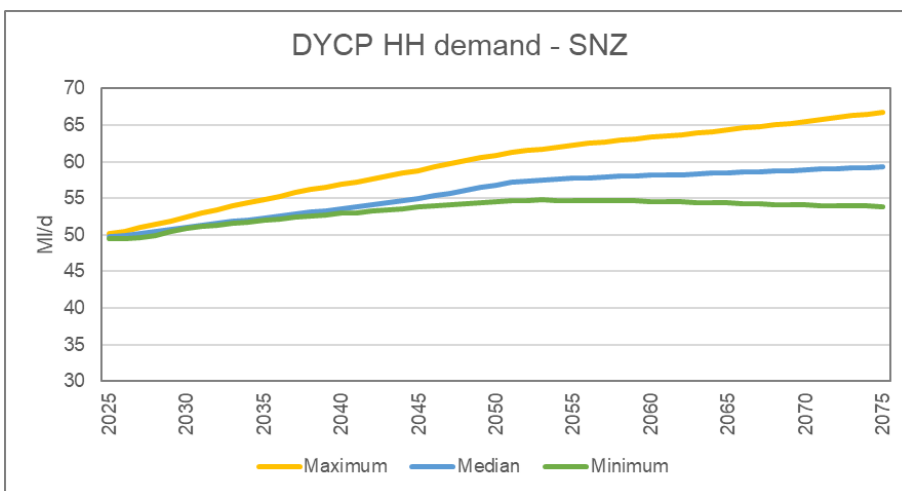
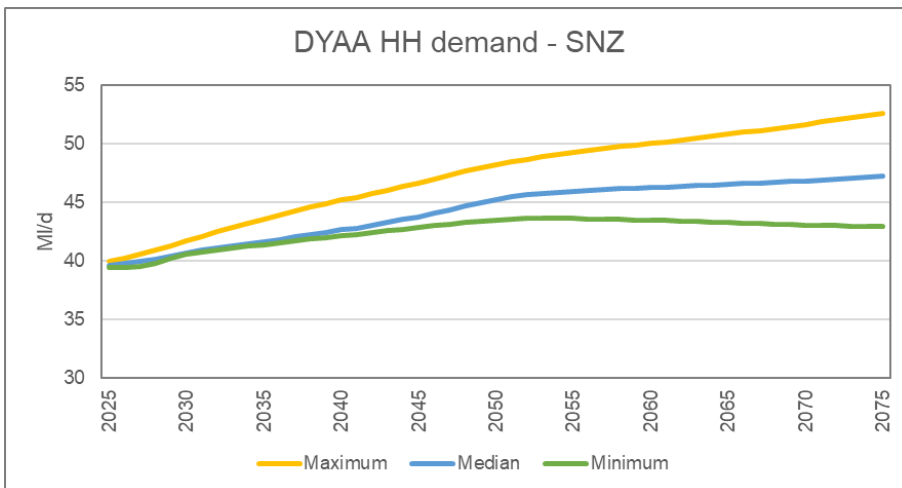
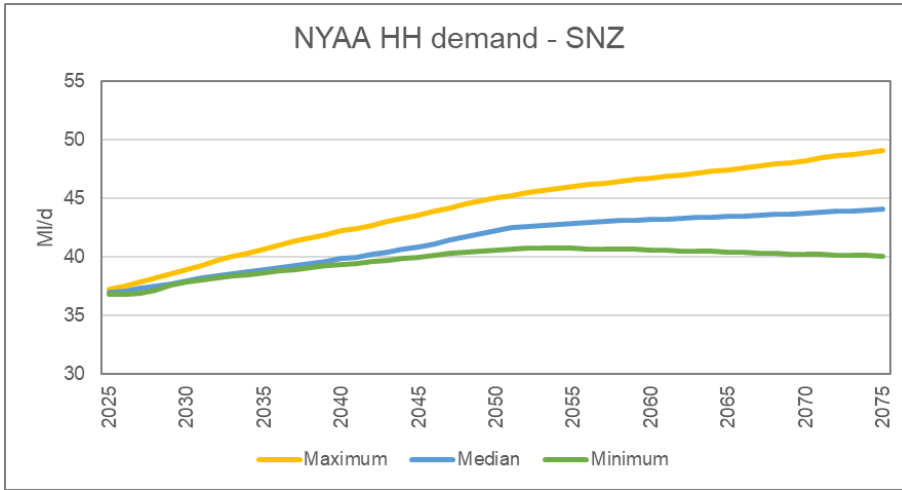
3.7 Isle of Wight (IOW)

NYAA = Normal Year Annual Average; DYAA = Dry Year Annual Average; DYCP = Dry Year Critical Period



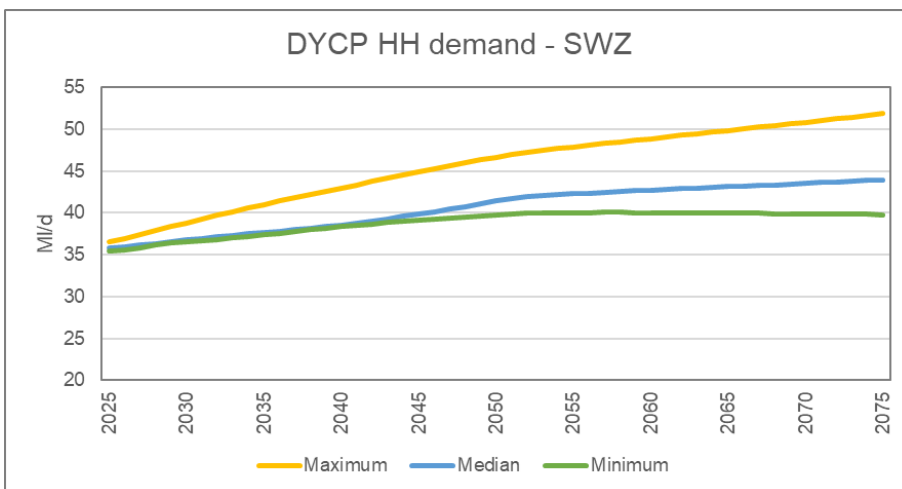
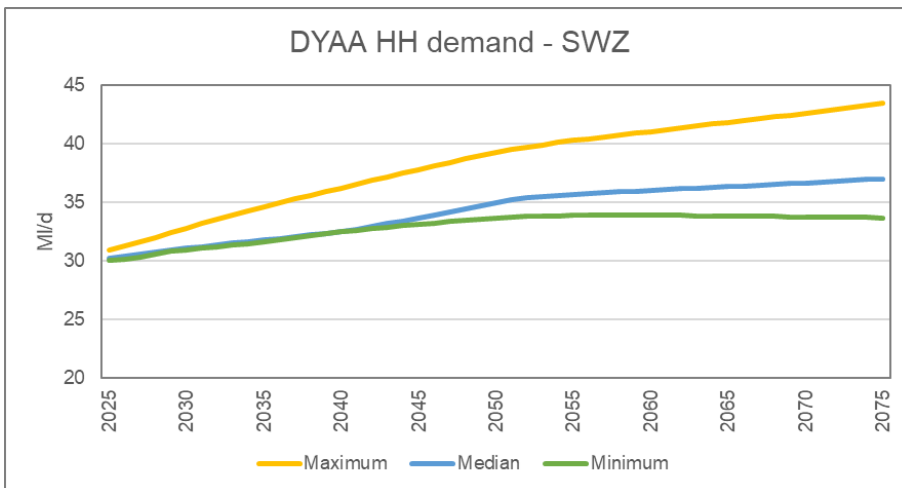
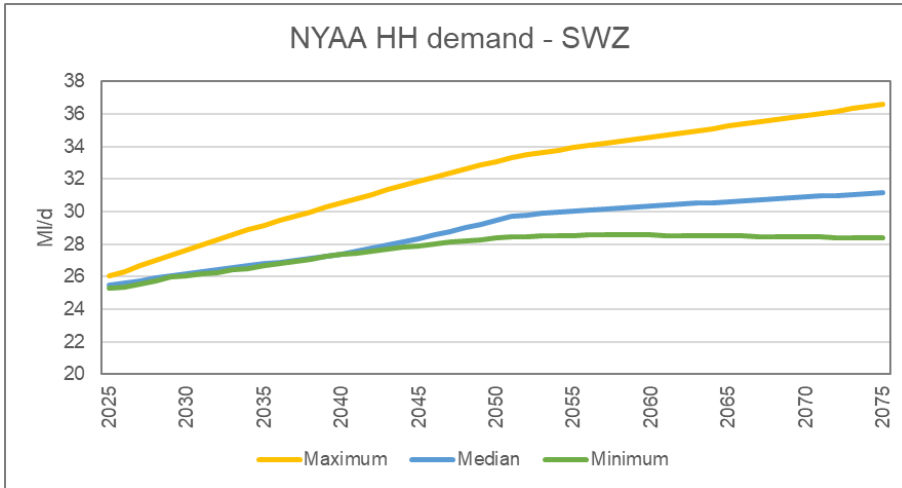
3.8 Sussex North (SNZ)

NYAA = Normal Year Annual Average; DYAA = Dry Year Annual Average; DYCP = Dry Year Critical Period



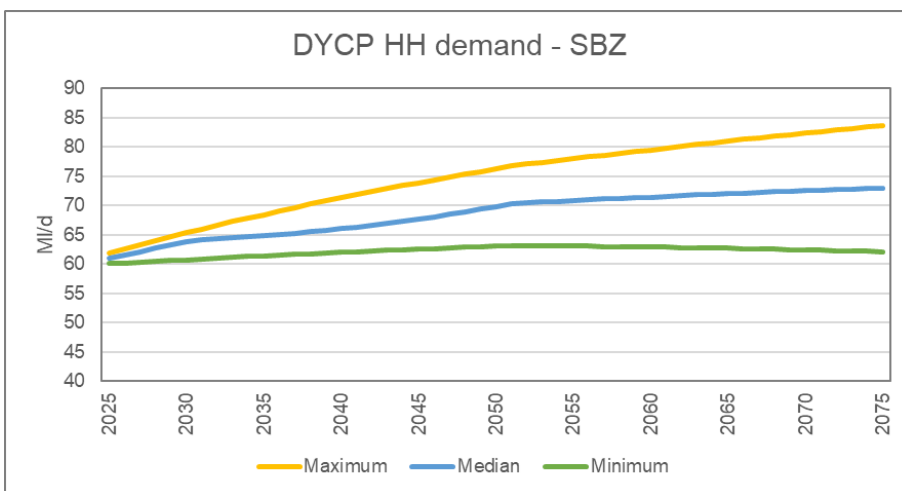
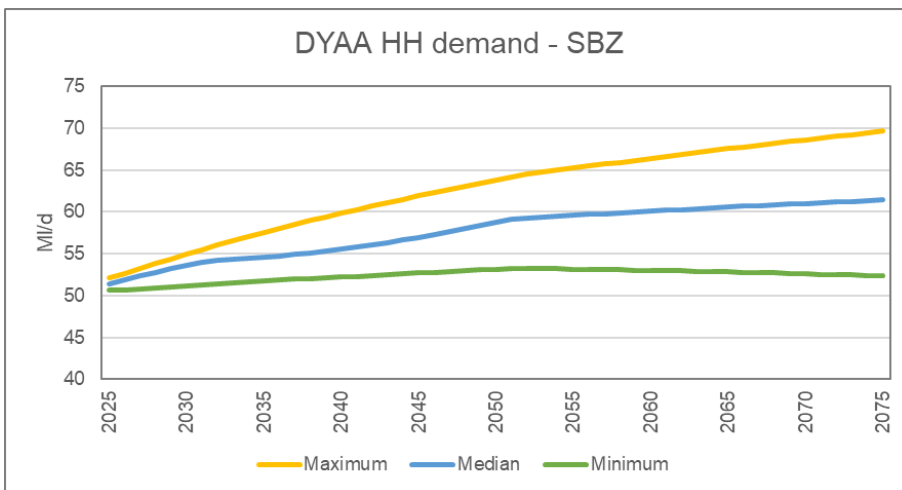
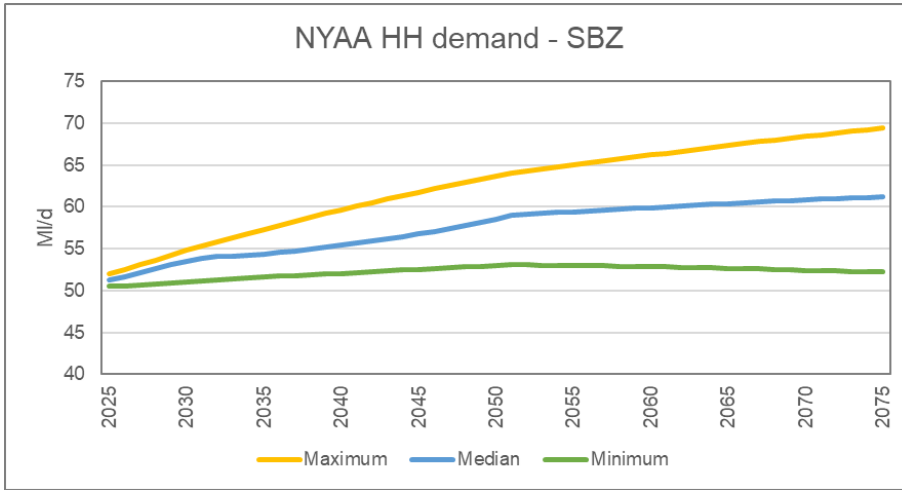
3.9 Sussex Worthing (SWZ)

NYAA = Normal Year Annual Average; DYAA = Dry Year Annual Average; DYCP = Dry Year Critical Period



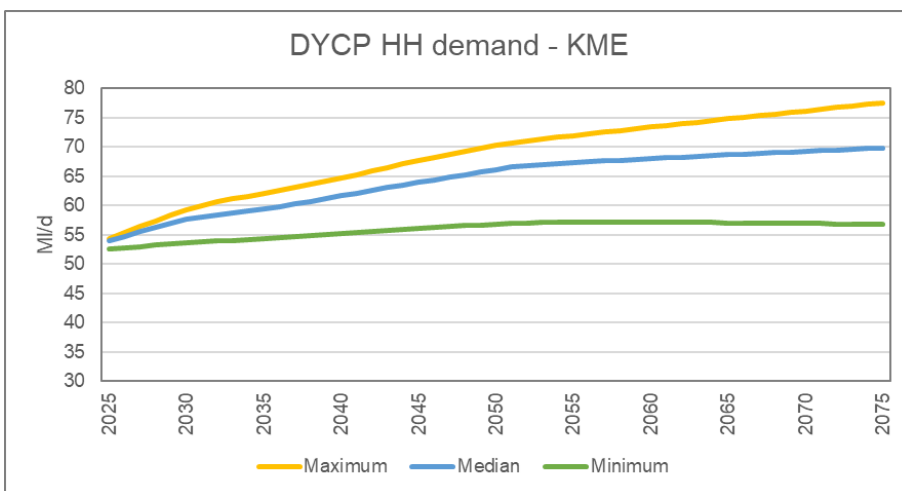
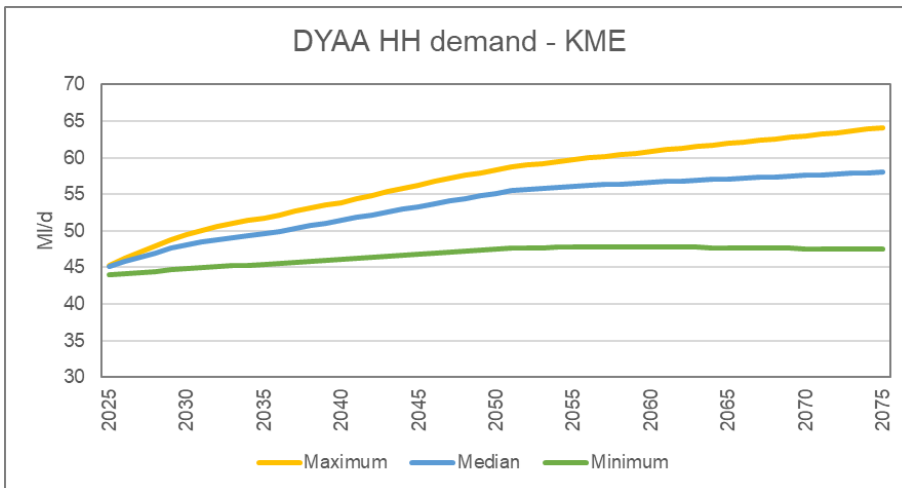
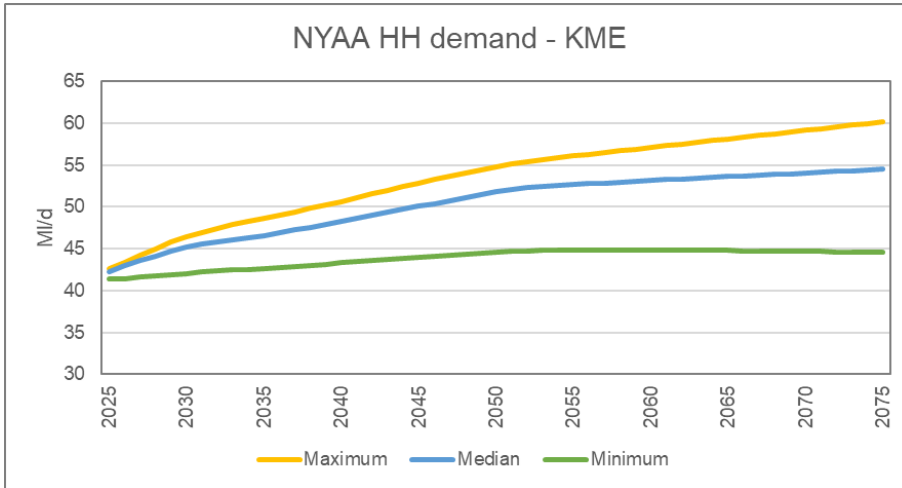
3.10 Sussex Brighton (SBZ)

NYAA = Normal Year Annual Average; DYAA = Dry Year Annual Average; DYCP = Dry Year Critical Period



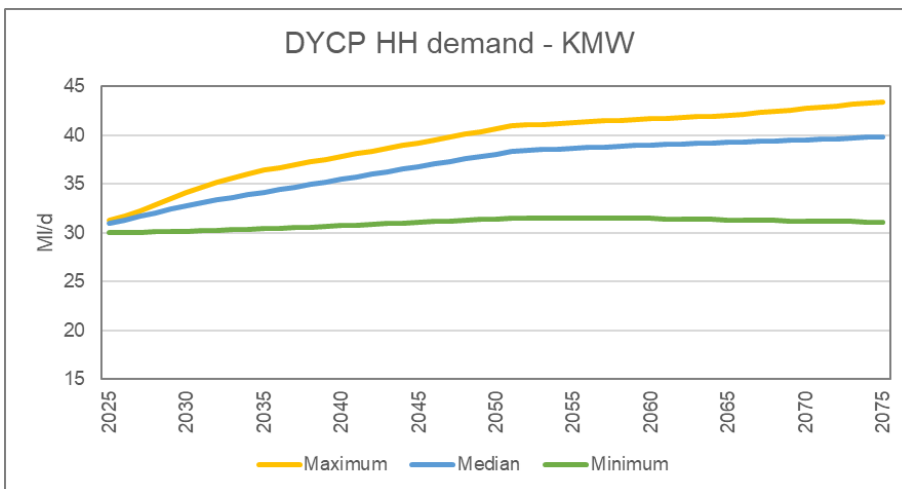
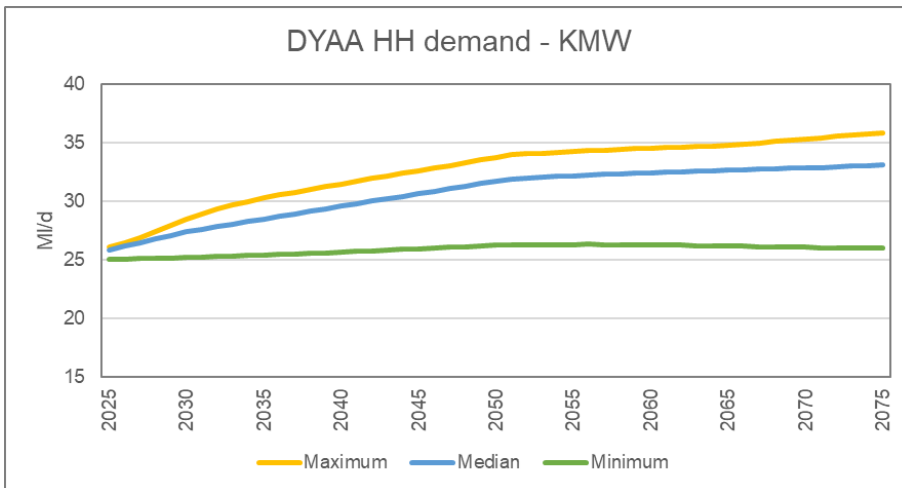
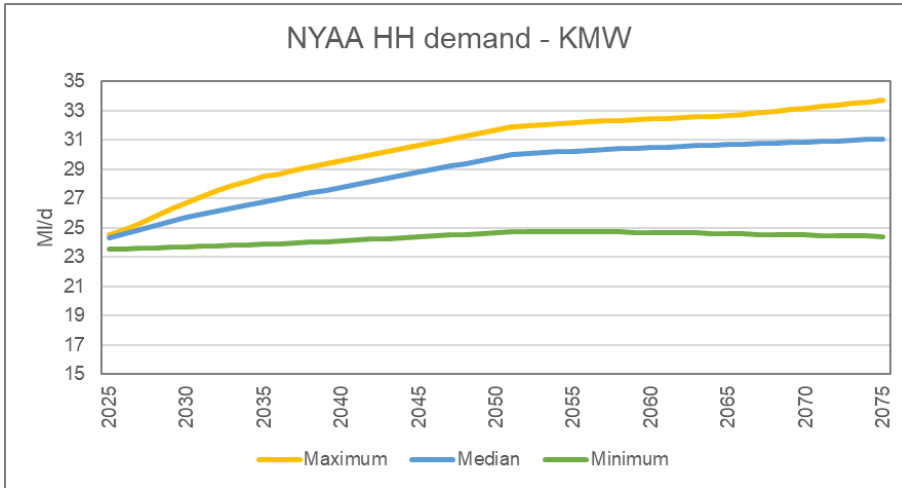
3.11 Kent Medway East (KME)

NYAA = Normal Year Annual Average; DYAA = Dry Year Annual Average; DYCP = Dry Year Critical Period



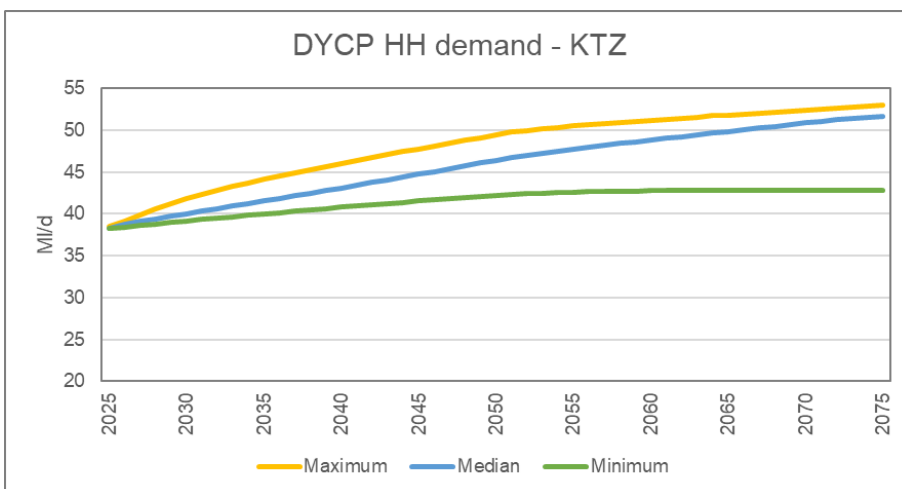
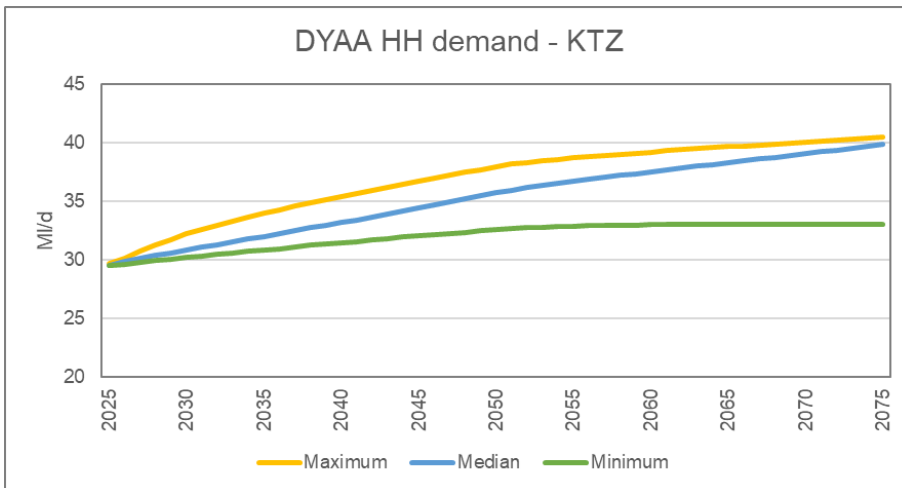
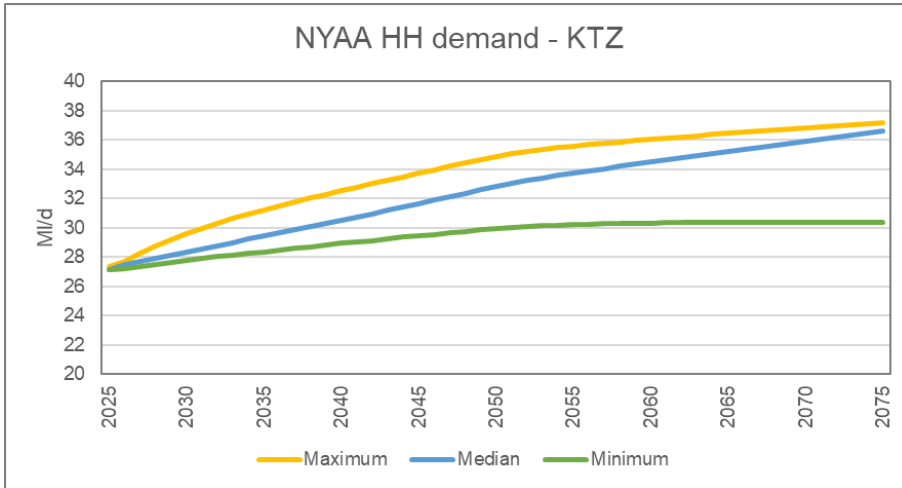
3.12 Kent Medway West (KMW)

NYAA = Normal Year Annual Average; DYAA = Dry Year Annual Average; DYCP = Dry Year Critical Period



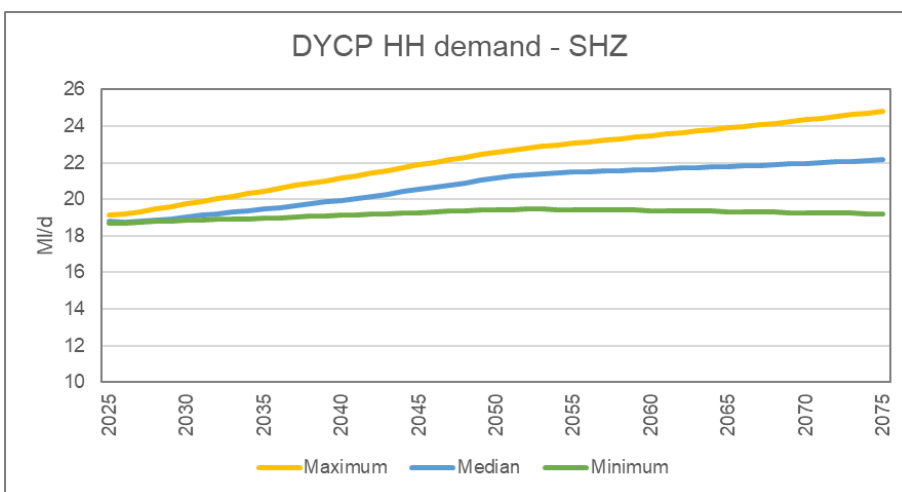
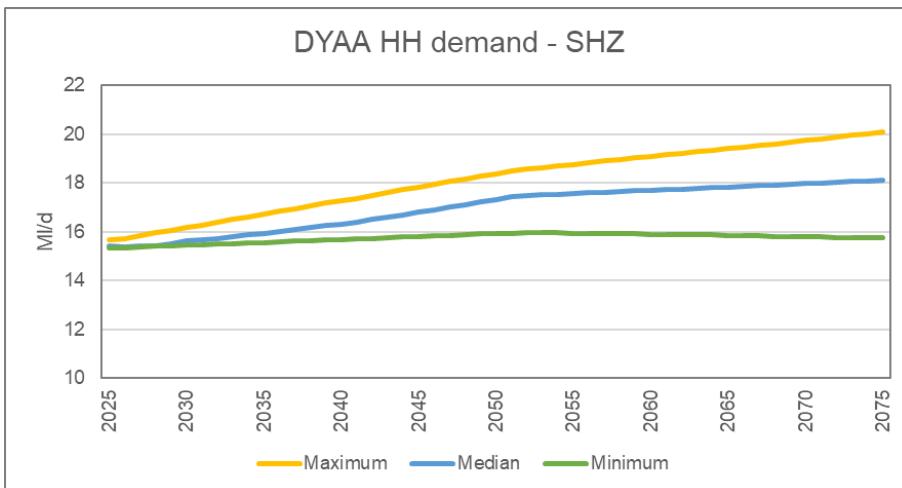
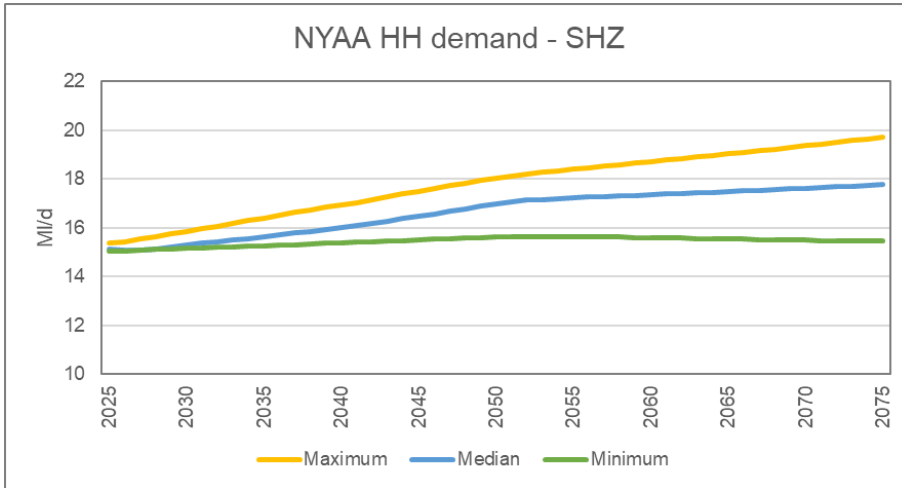
3.13 Kent Thanet (KTZ)

NYAA = Normal Year Annual Average; DYAA = Dry Year Annual Average; DYCP = Dry Year Critical Period



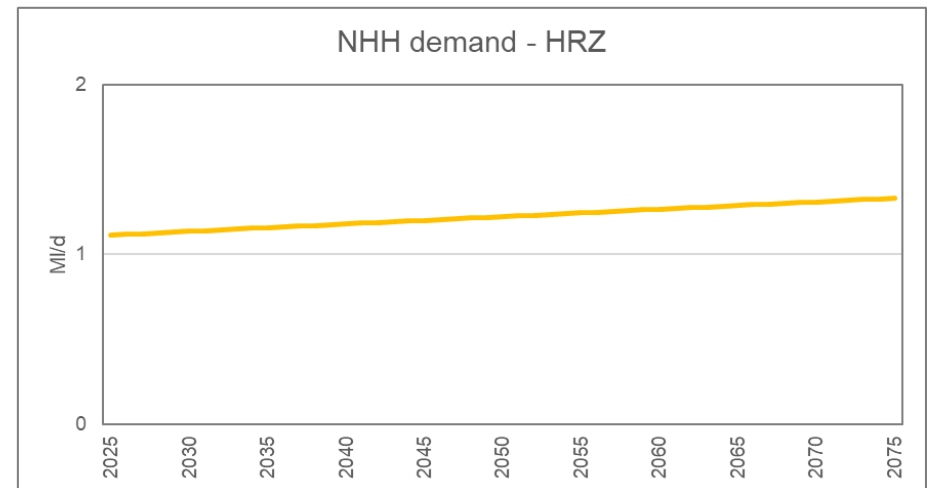
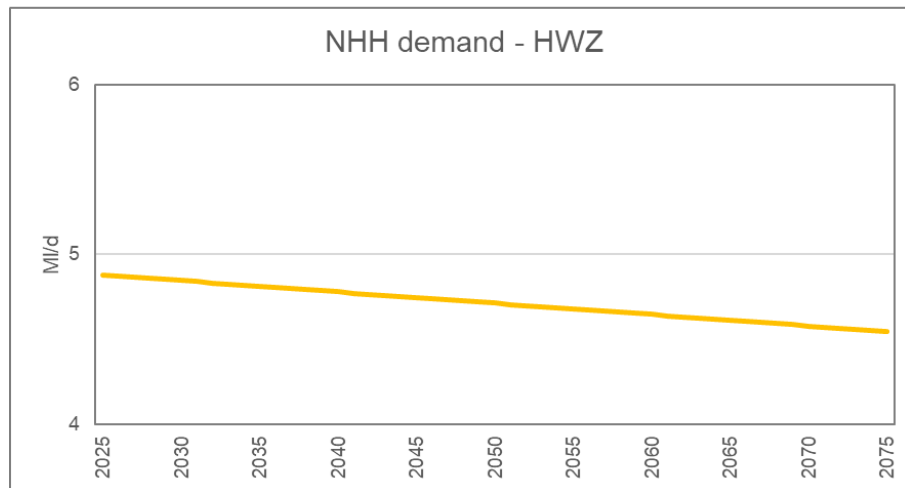
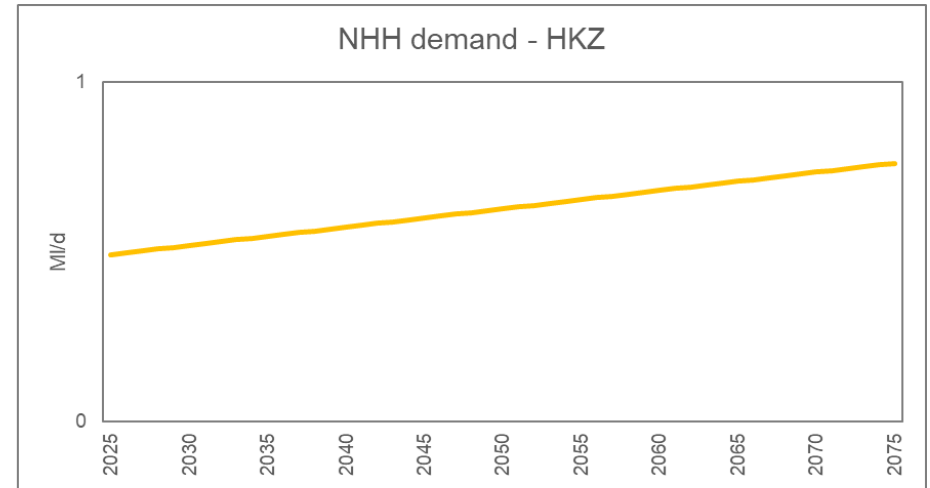
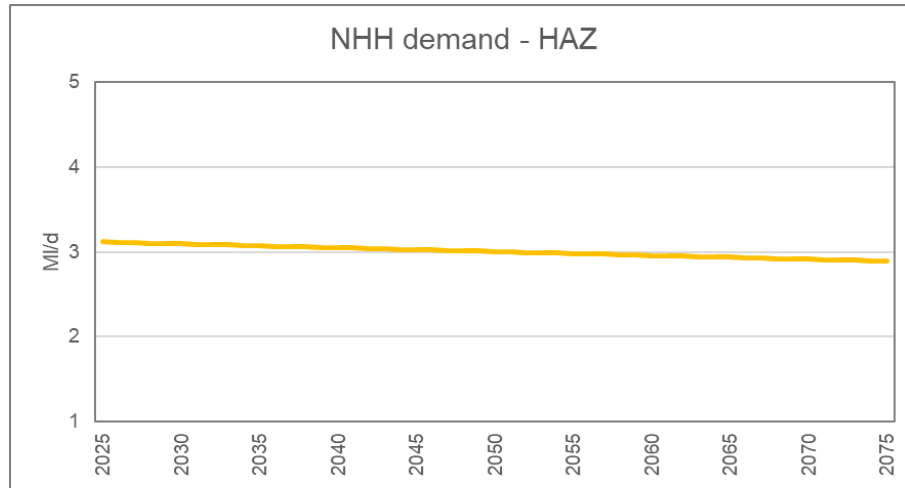
3.14 Sussex Hastings (SHZ)

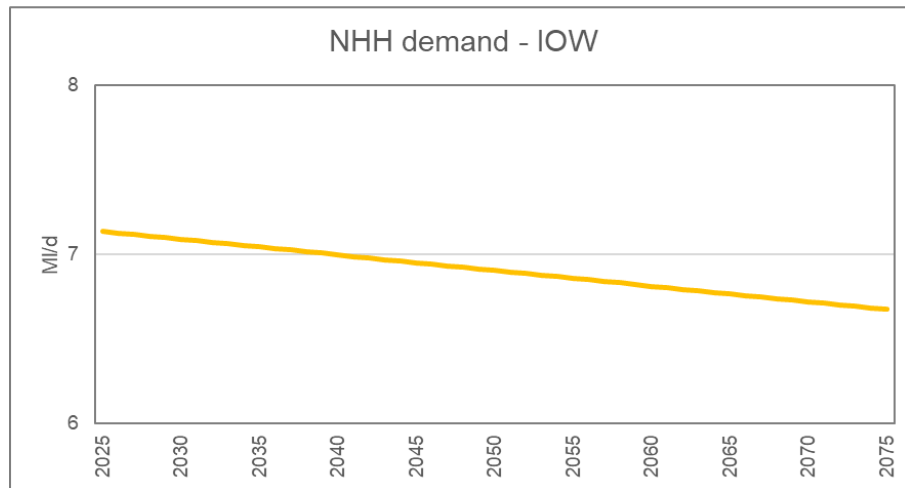
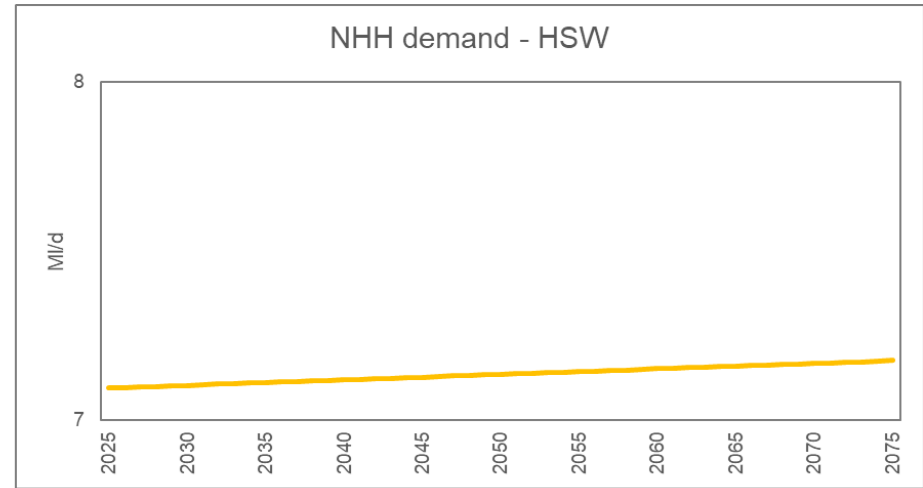
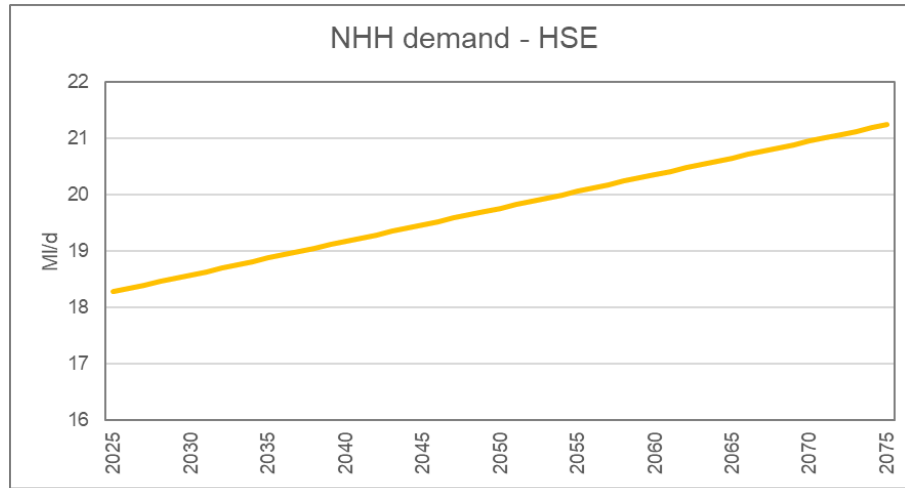
NYAA = Normal Year Annual Average; DYAA = Dry Year Annual Average; DYCP = Dry Year Critical Period



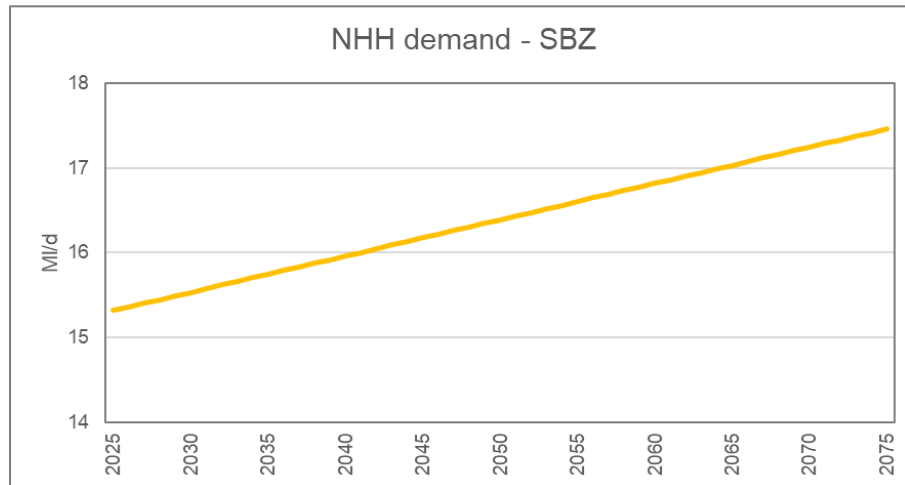
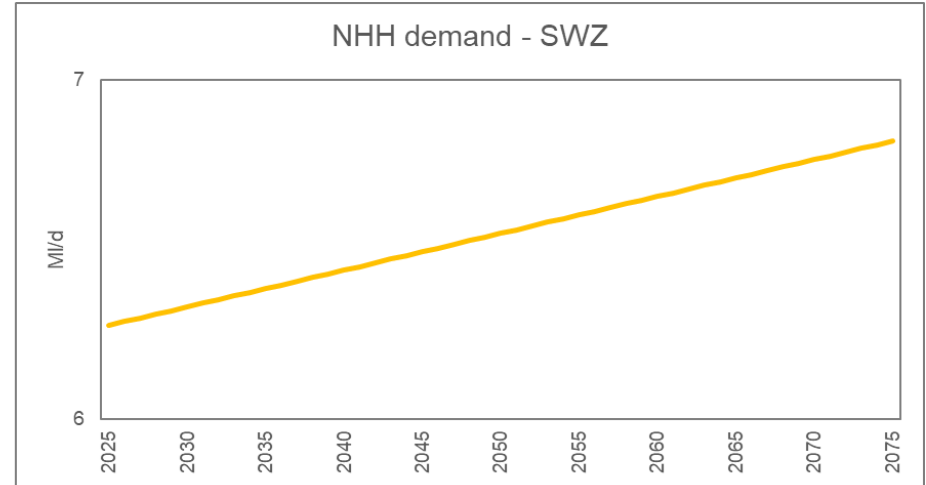
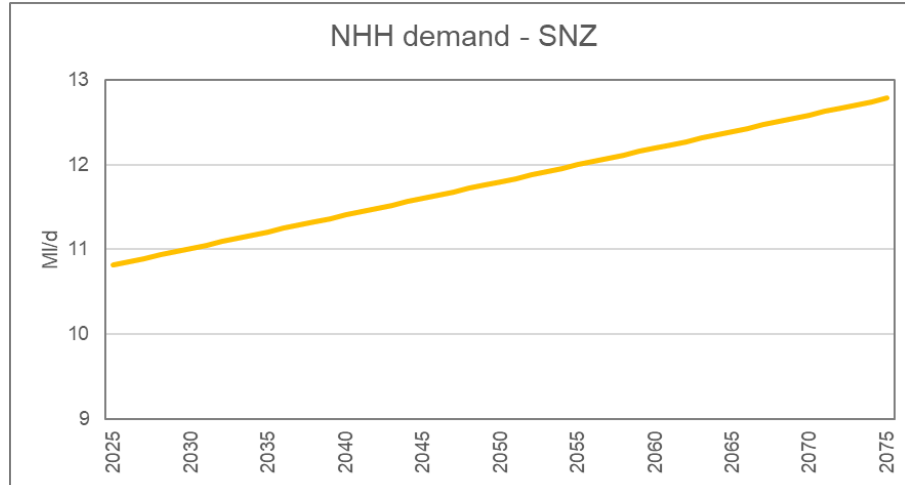
4 Baseline Non-household Demand Forecast

4.1 Western area

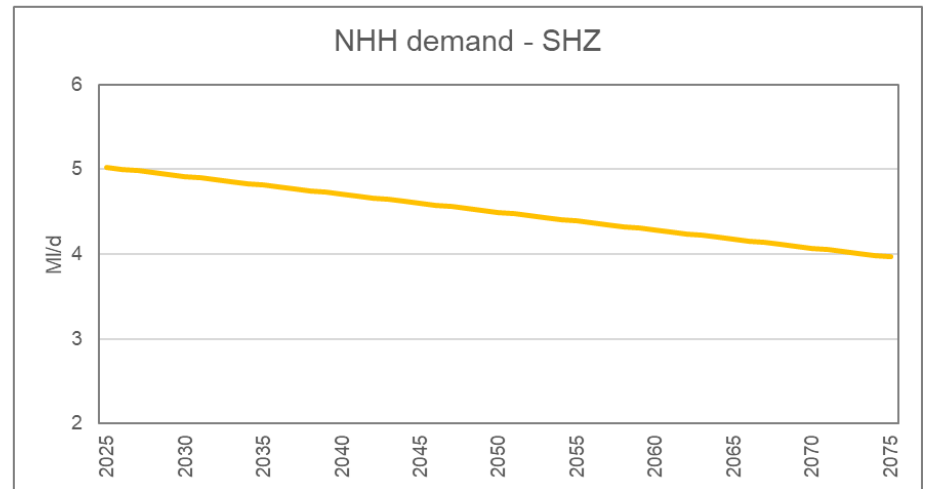
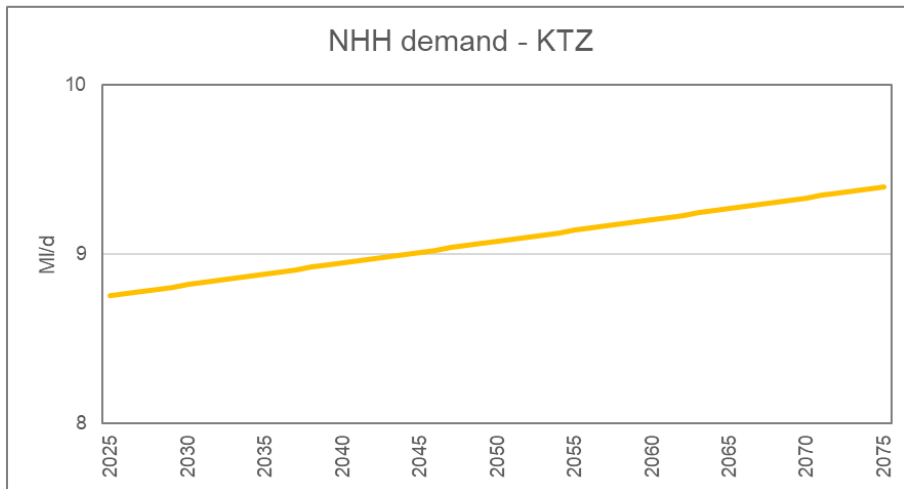
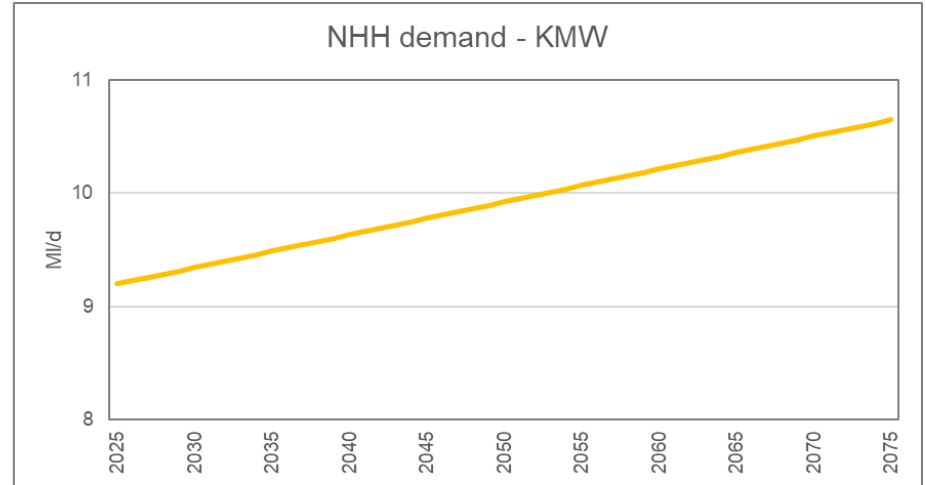
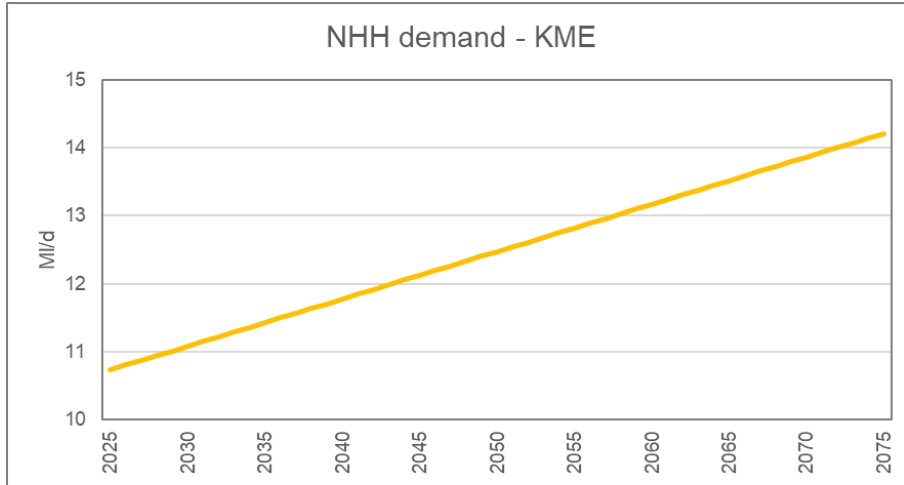




4.2 Central area



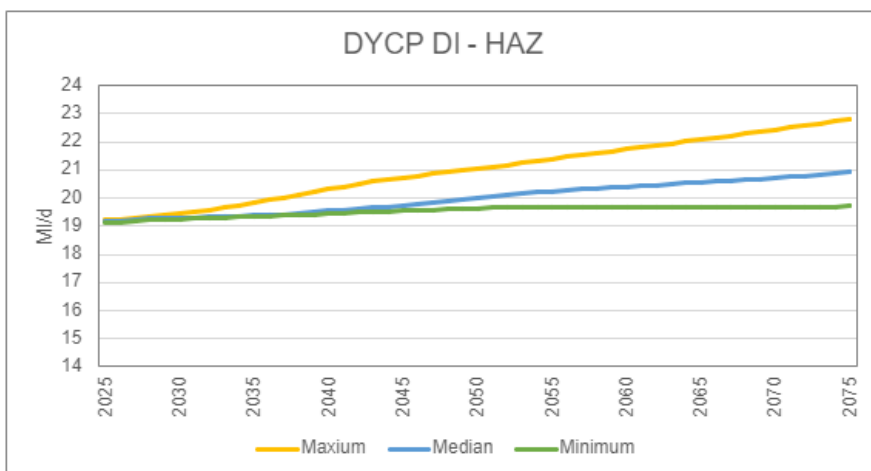
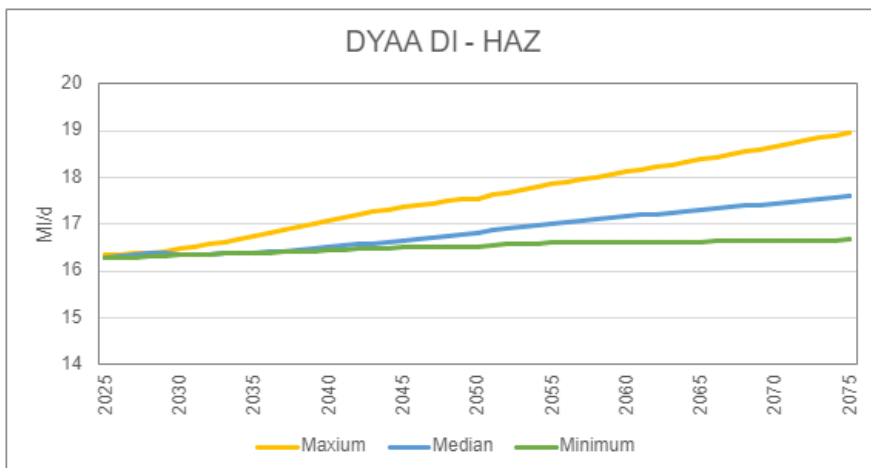
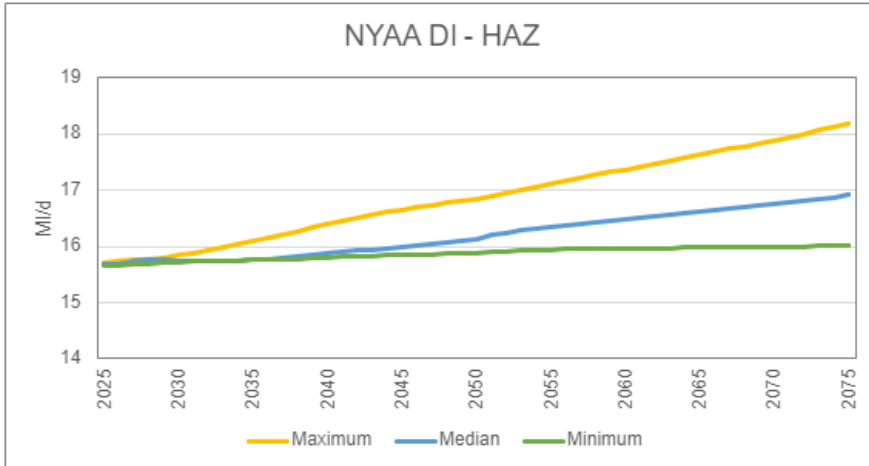
4.3 Eastern area



5 Baseline Distribution Input Forecast by WRZ

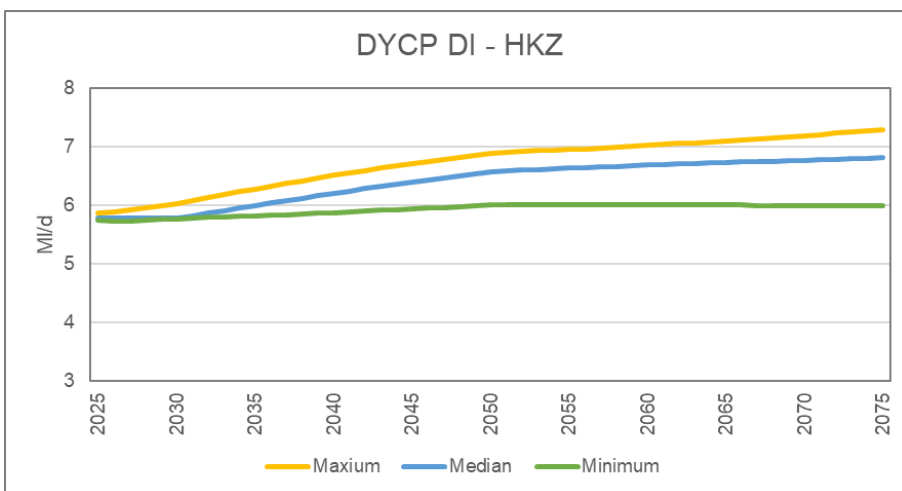
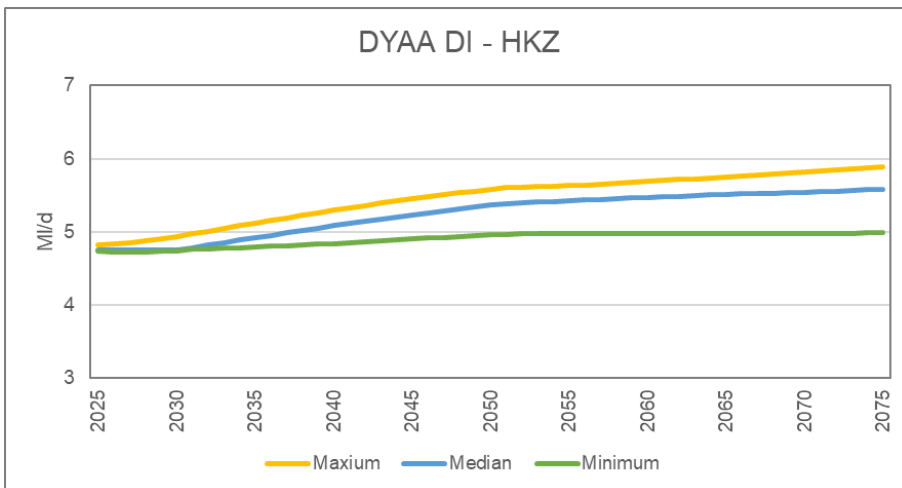
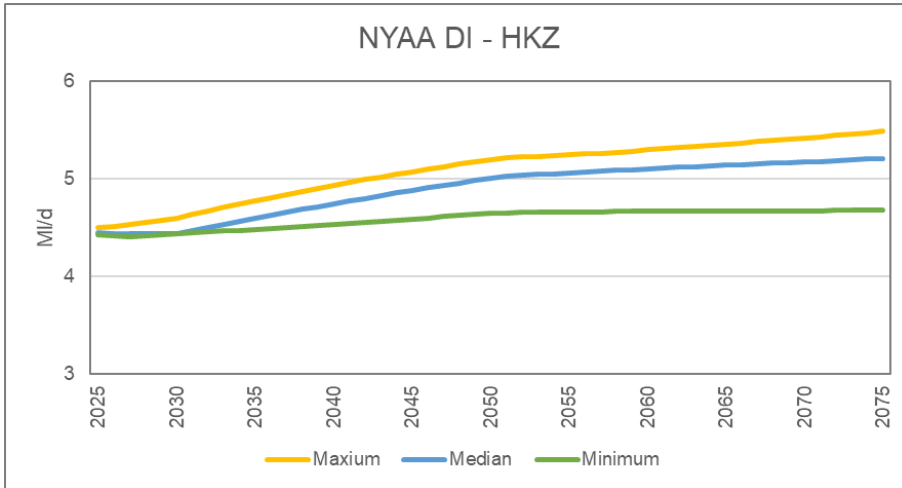
5.1 Hampshire Andover (HAZ)

NYAA = Normal Year Annual Average; DYAA = Dry Year Annual Average; DYCP = Dry Year Critical Period



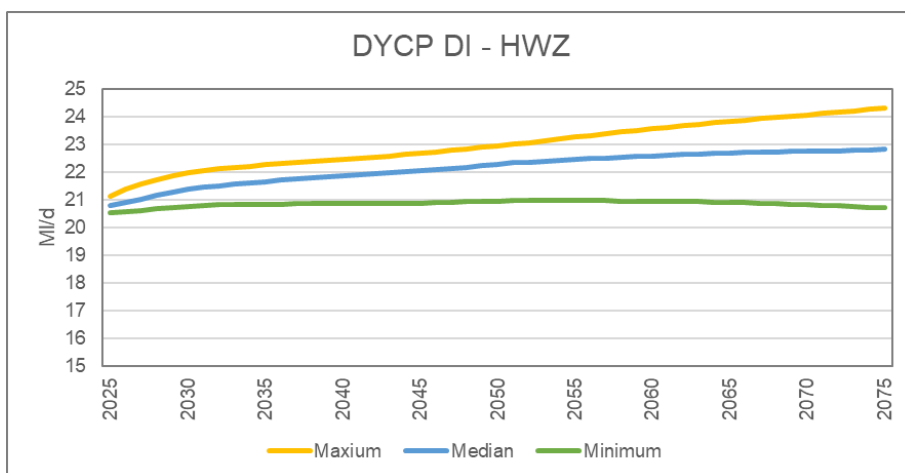
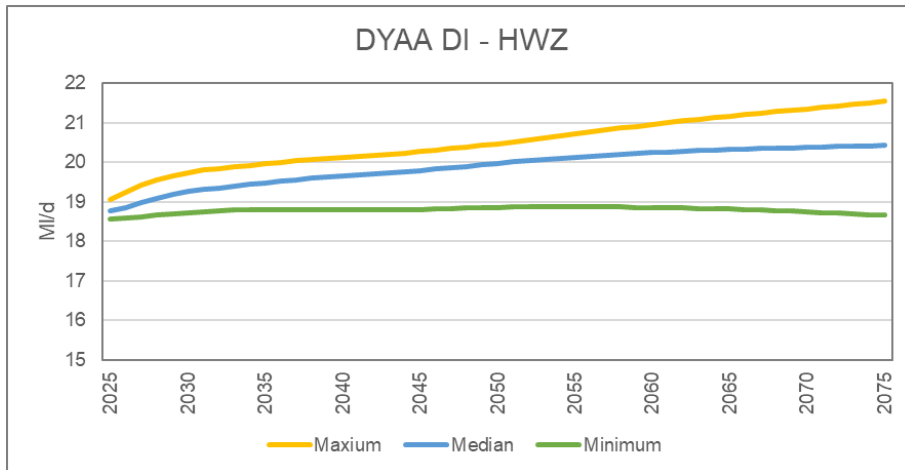
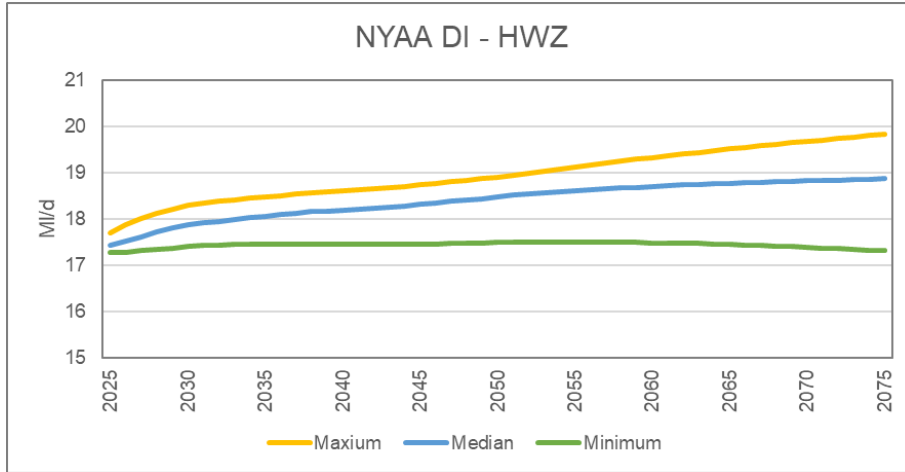
5.2 Hampshire Kingsclere (HKZ)

NYAA = Normal Year Annual Average; DYAA = Dry Year Annual Average; DYCP = Dry Year Critical Period



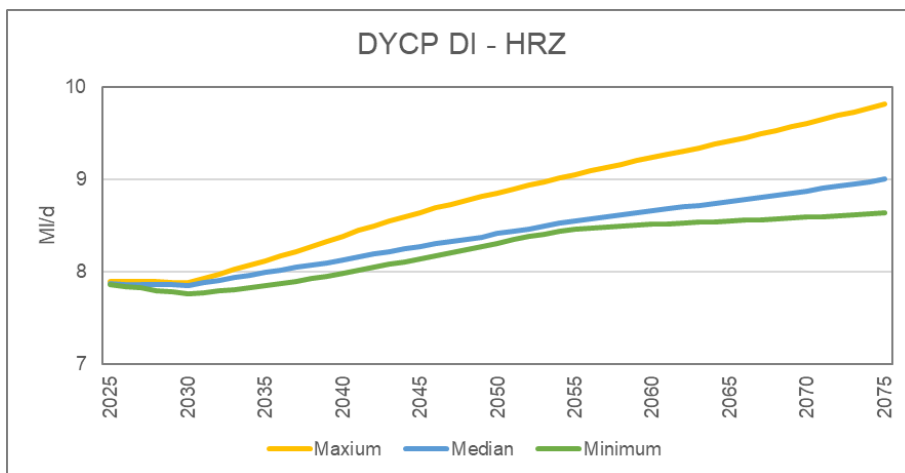
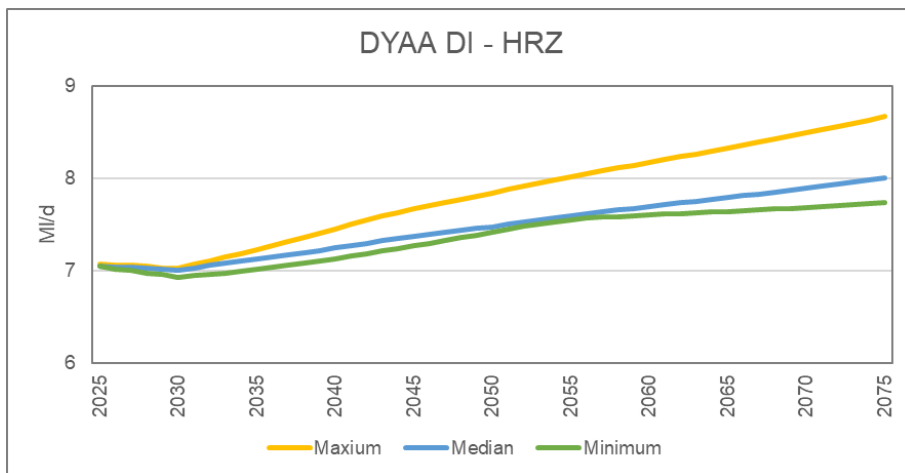
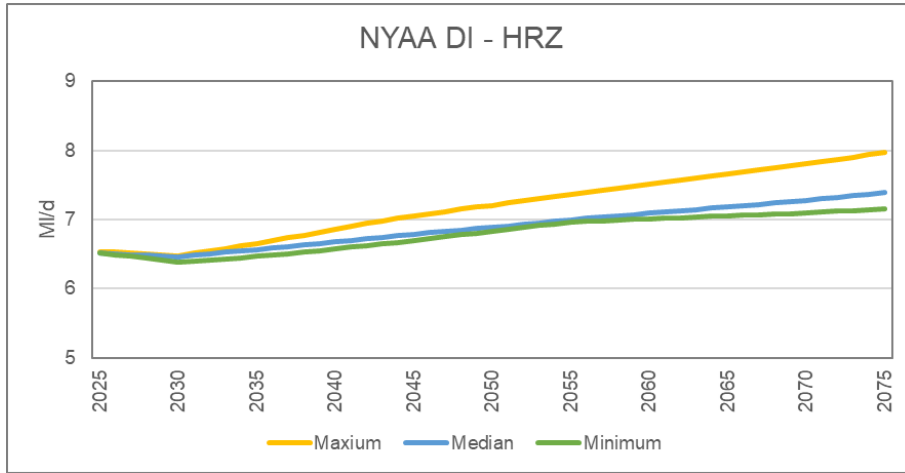
5.3 Hampshire Winchester (HWZ)

NYAA = Normal Year Annual Average; DYAA = Dry Year Annual Average; DYCP = Dry Year Critical Period



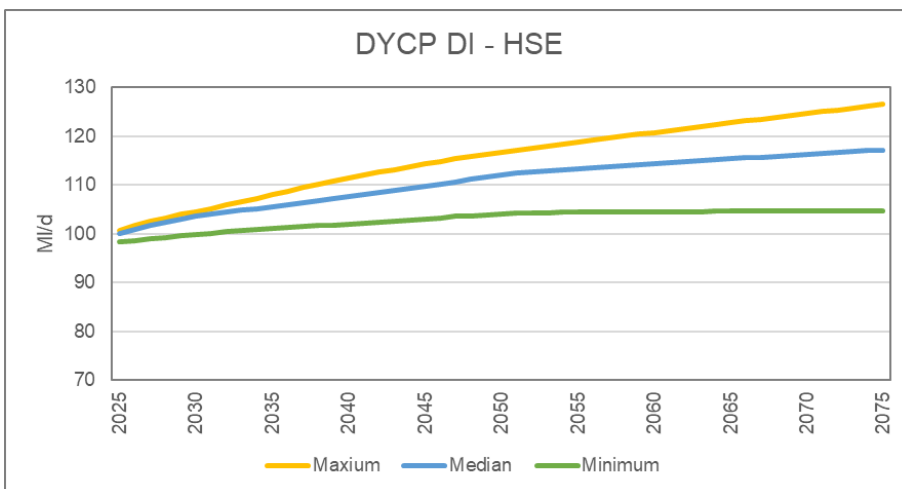
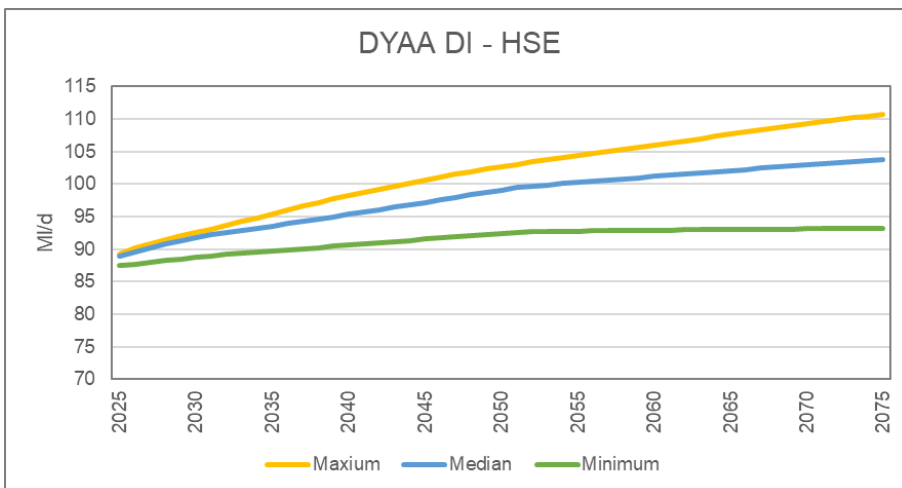
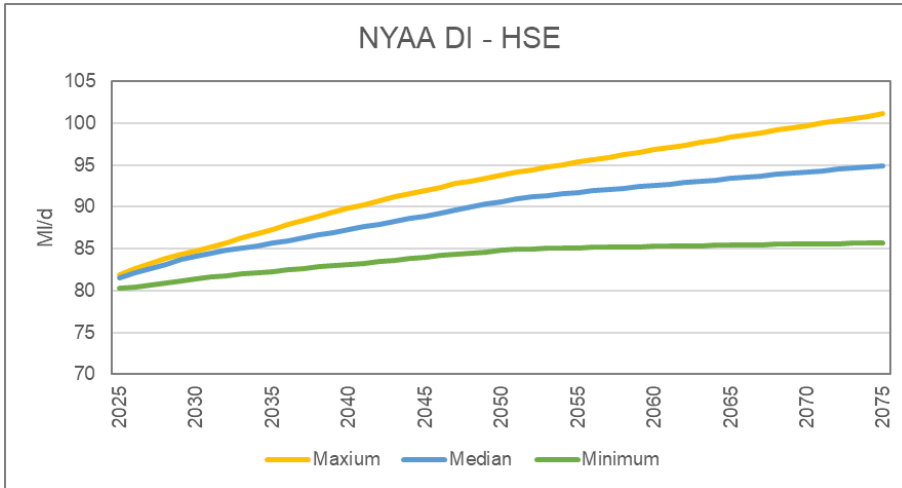
5.4 Hampshire Rural (HRZ)

NYAA = Normal Year Annual Average; DYAA = Dry Year Annual Average; DYCP = Dry Year Critical Period



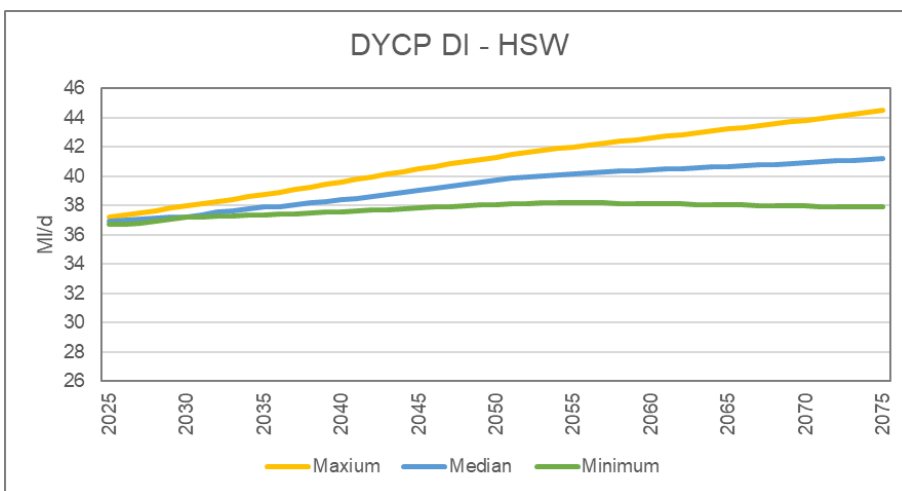
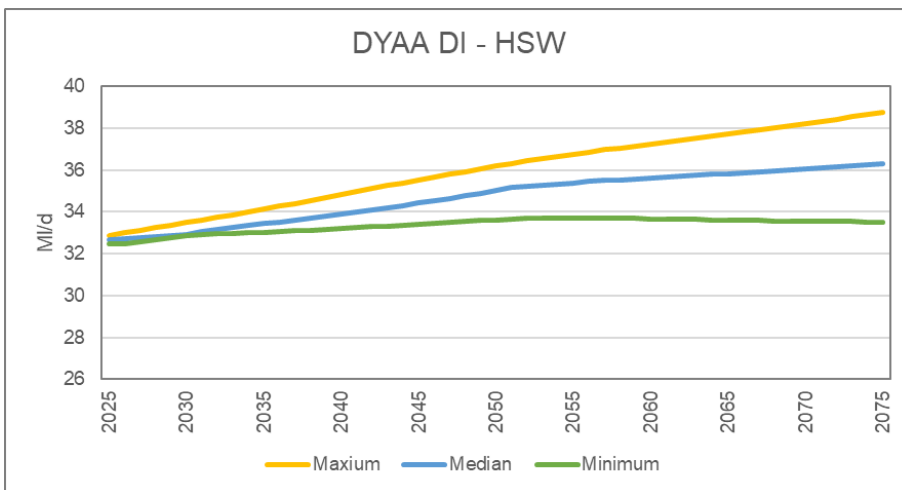
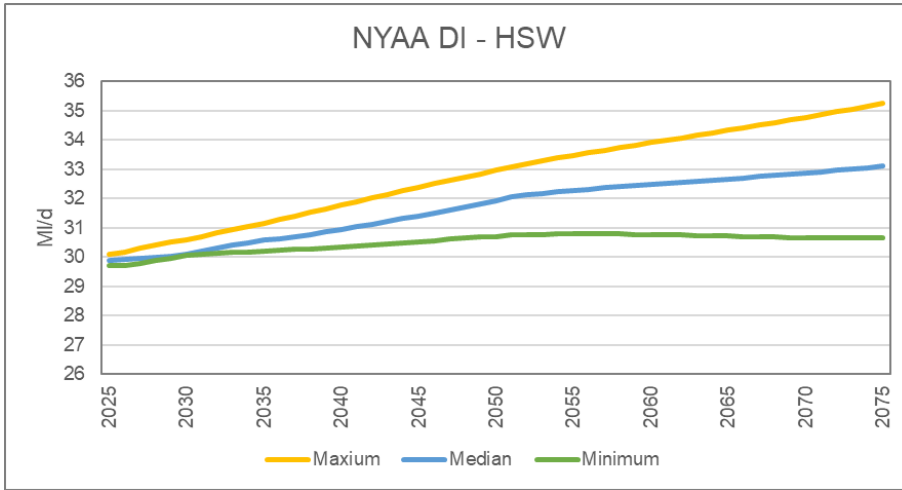
5.5 Hampshire Southampton East (HSE)

NYAA = Normal Year Annual Average; DYAA = Dry Year Annual Average; DYCP = Dry Year Critical Period



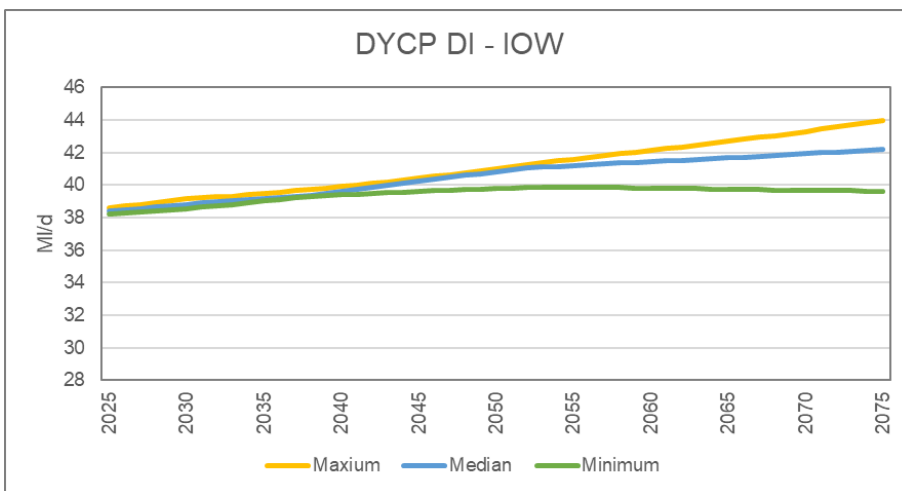
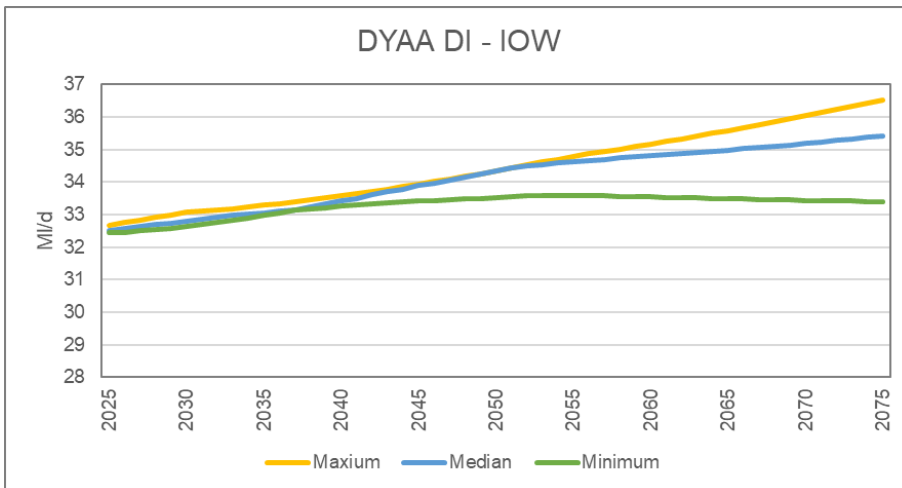
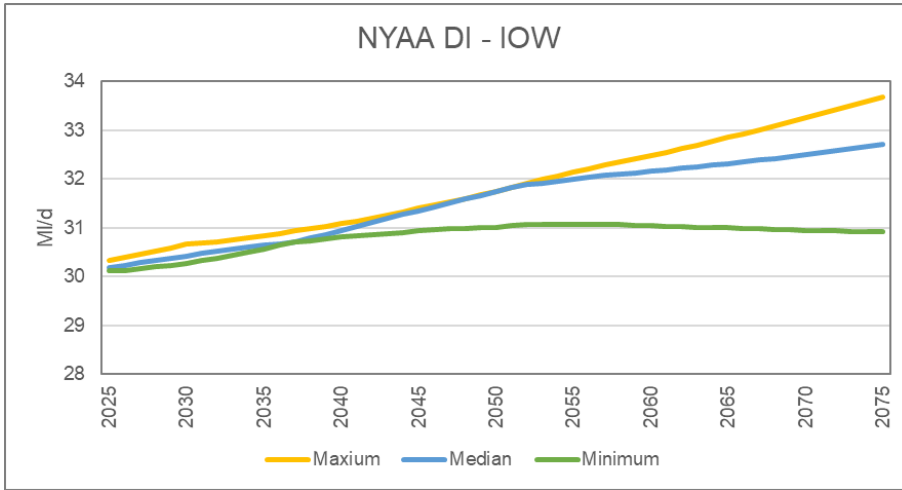
5.6 Hampshire Southampton West (HSW)

NYAA = Normal Year Annual Average; DYAA = Dry Year Annual Average; DYCP = Dry Year Critical Period



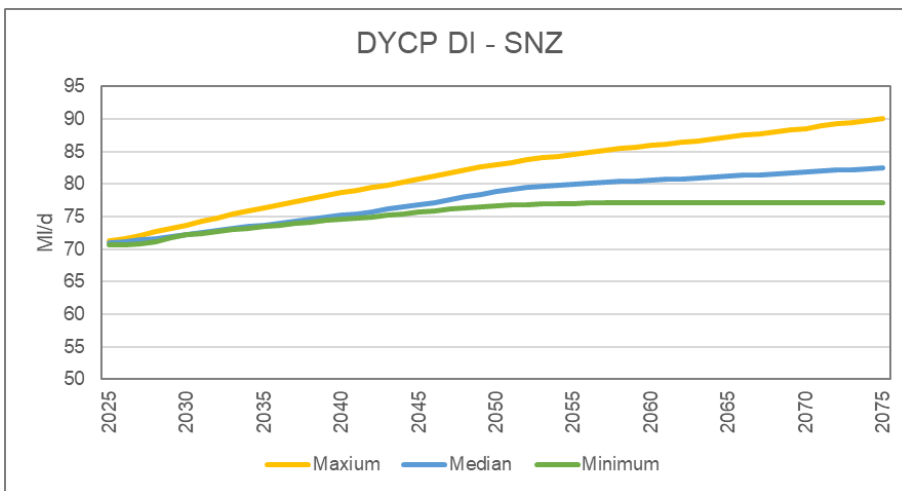
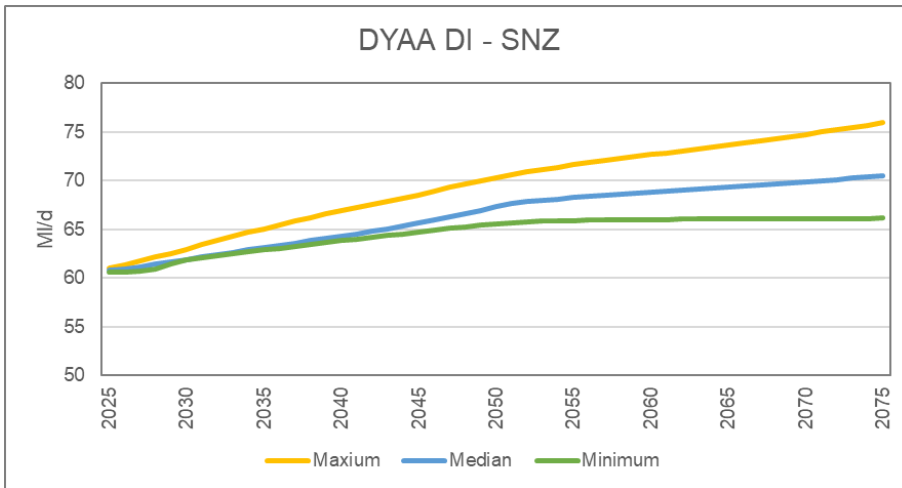
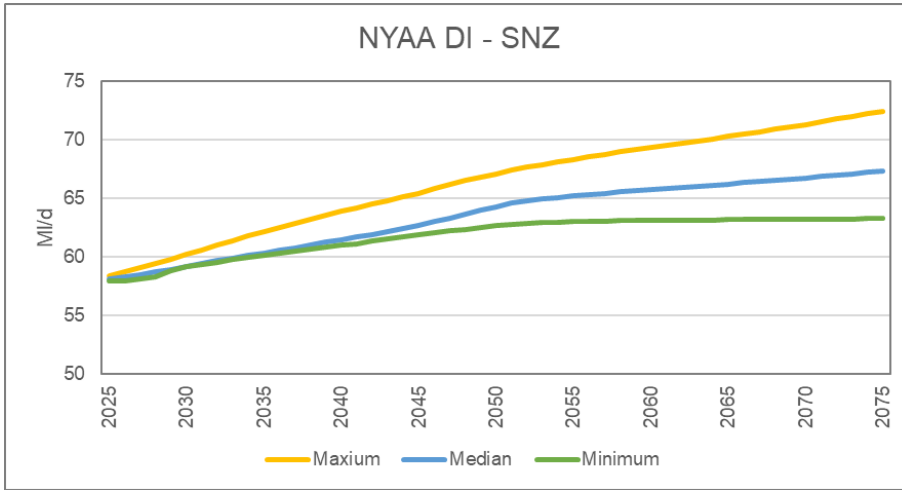
5.7 Isle of Wight (IOW)

NYAA = Normal Year Annual Average; DYAA = Dry Year Annual Average; DYCP = Dry Year Critical Period



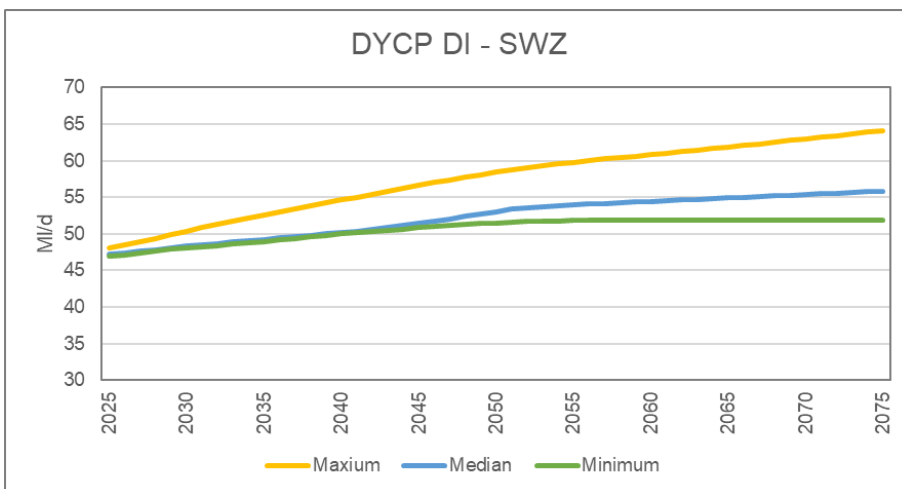
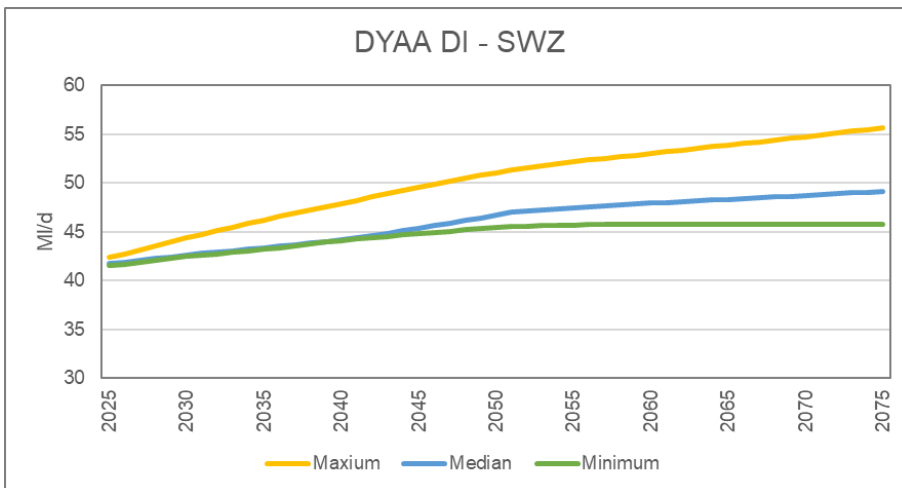
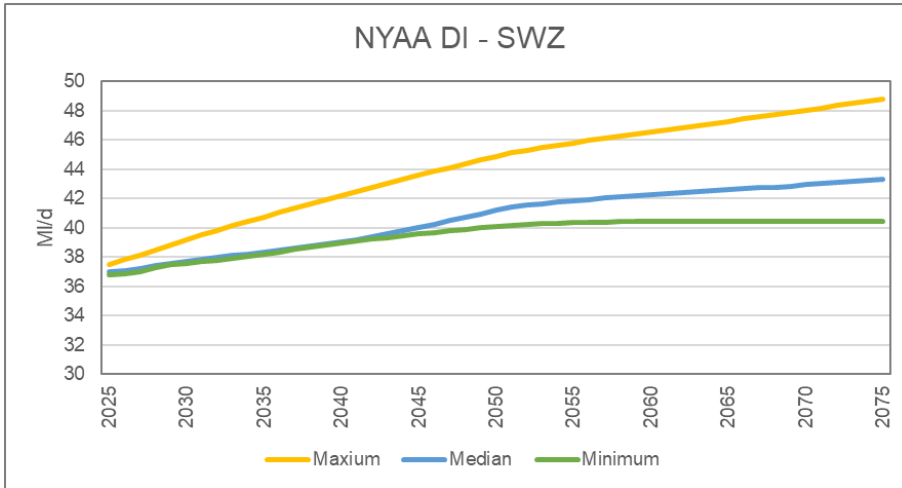
5.8 Sussex North (SNZ)

NYAA = Normal Year Annual Average; DYAA = Dry Year Annual Average; DYCP = Dry Year Critical Period



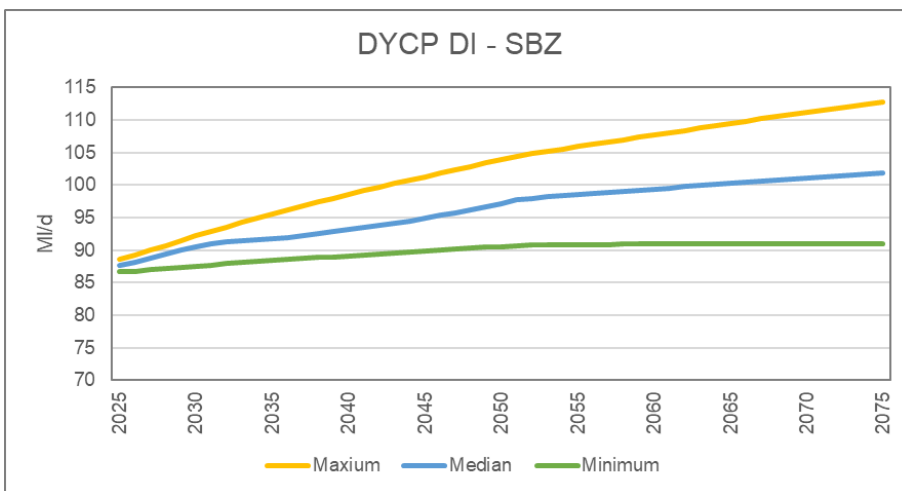
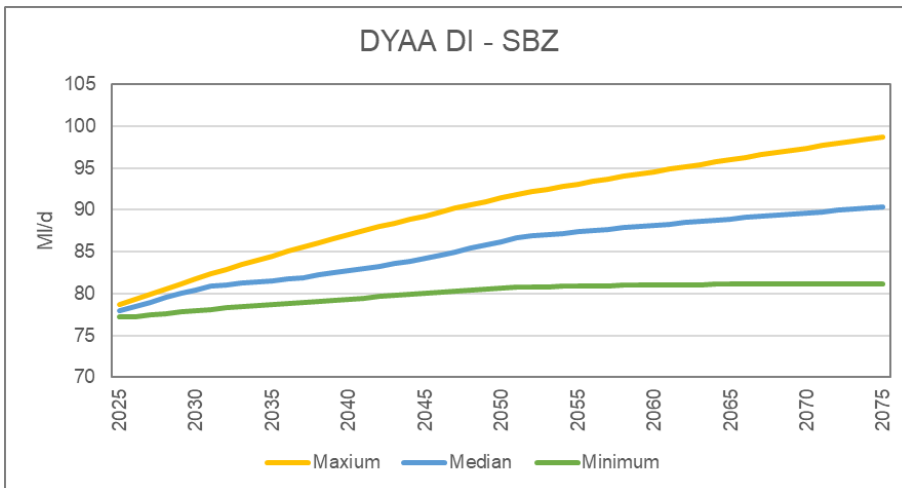
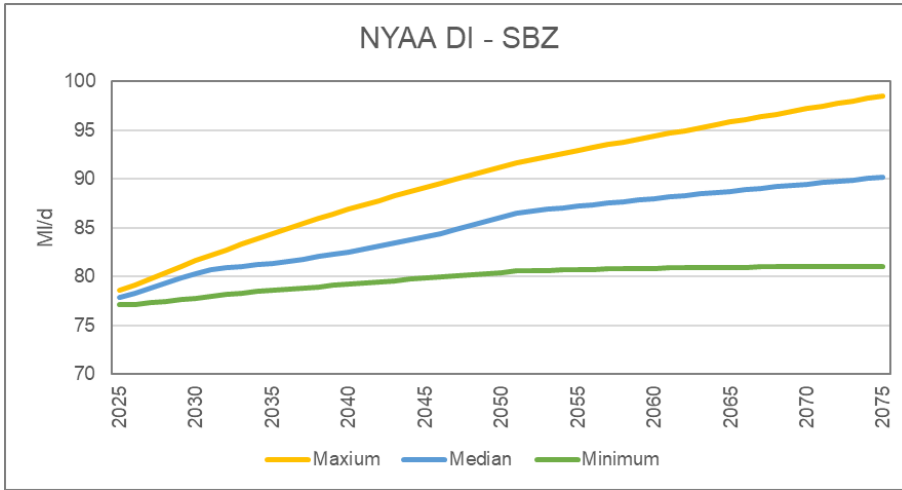
5.9 Sussex Worthing (SWZ)

NYAA = Normal Year Annual Average; DYAA = Dry Year Annual Average; DYCP = Dry Year Critical Period



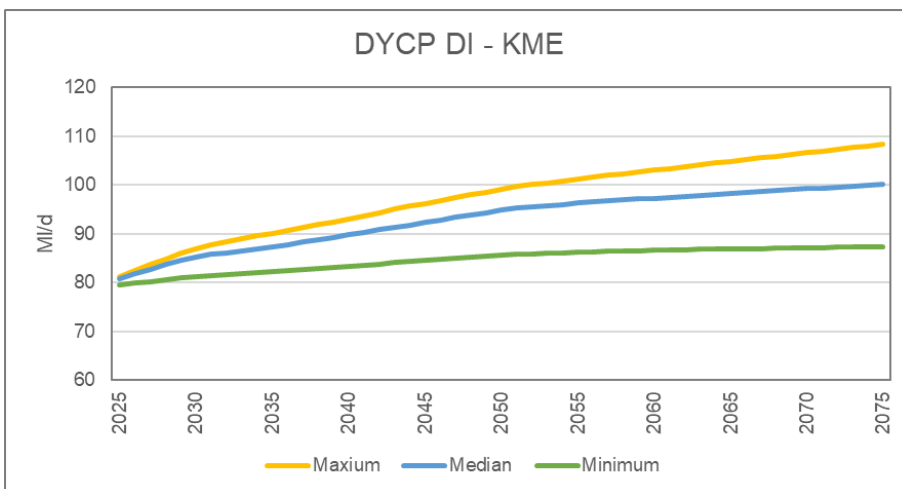
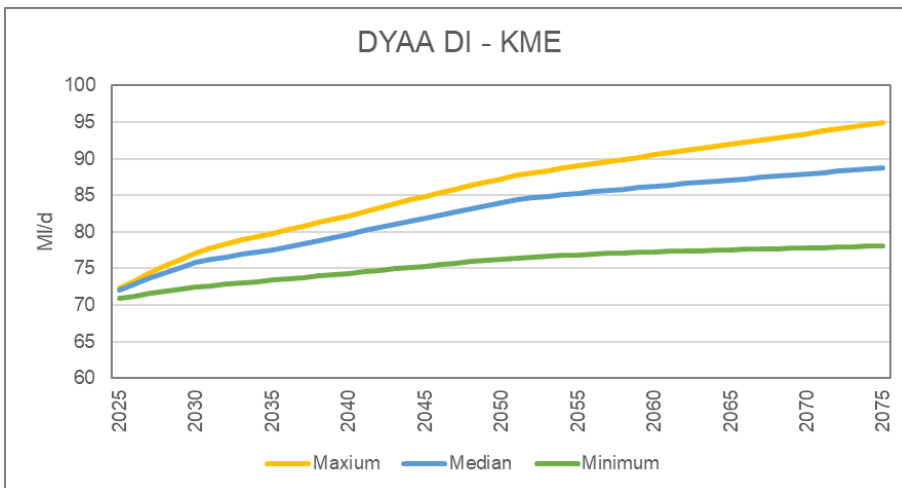
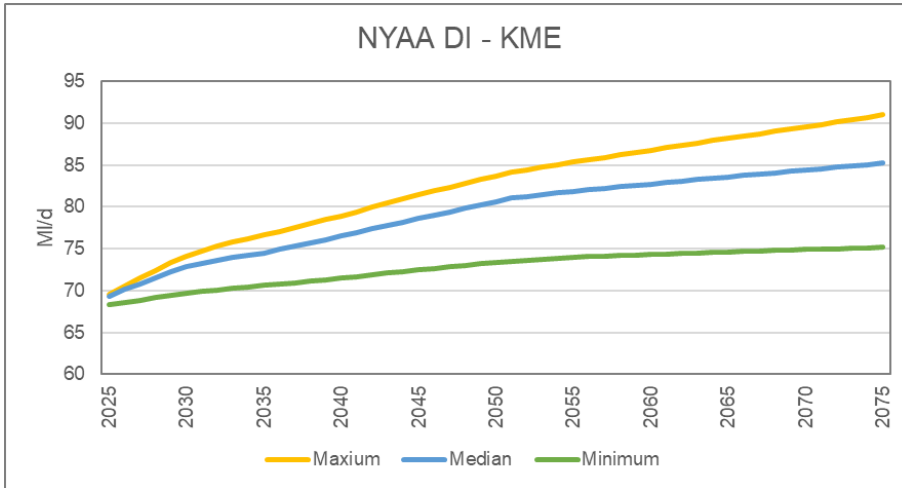
5.10 Sussex Brighton (SBZ)

NYAA = Normal Year Annual Average; DYAA = Dry Year Annual Average; DYCP = Dry Year Critical Period



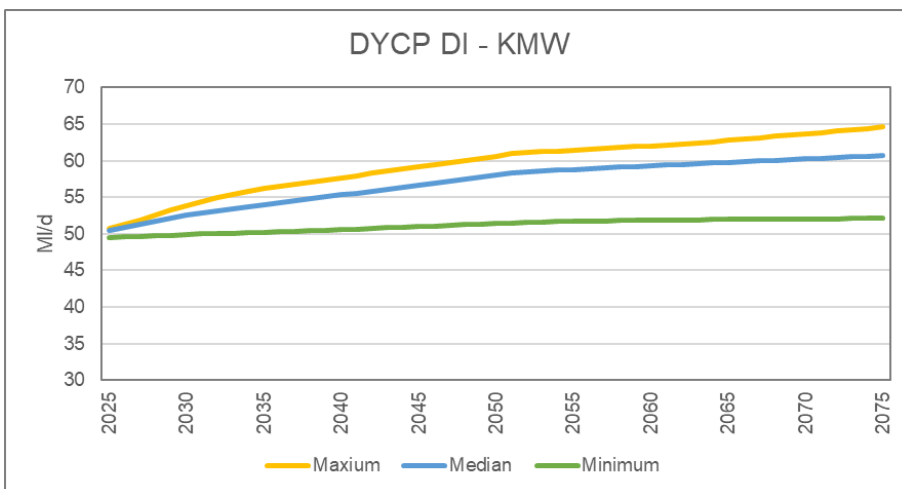
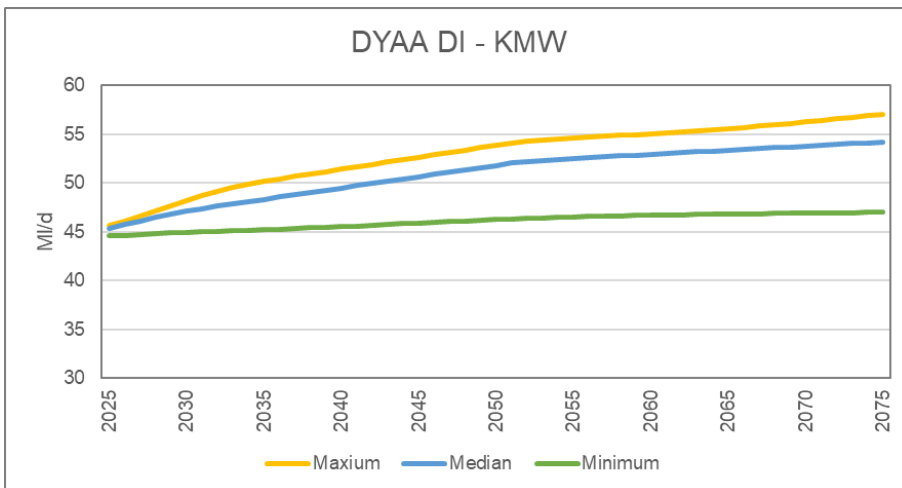
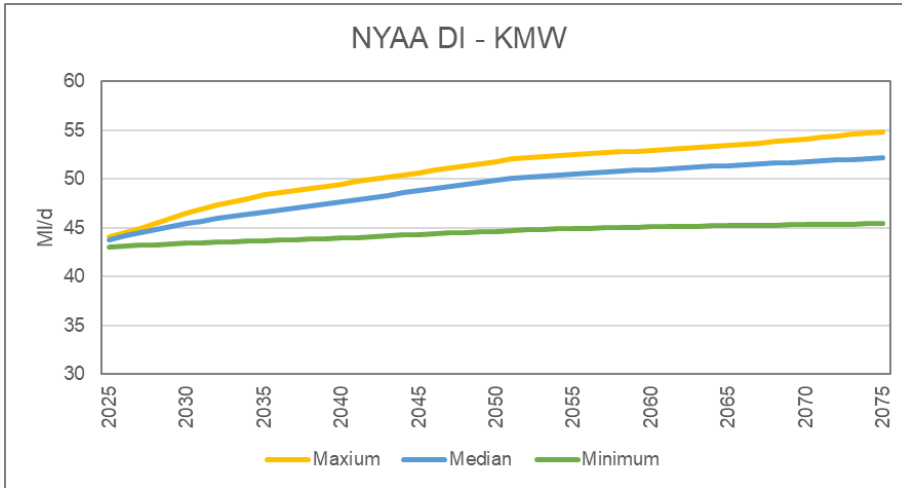
5.11 Kent Medway East (KME)

NYAA = Normal Year Annual Average; DYAA = Dry Year Annual Average; DYCP = Dry Year Critical Period



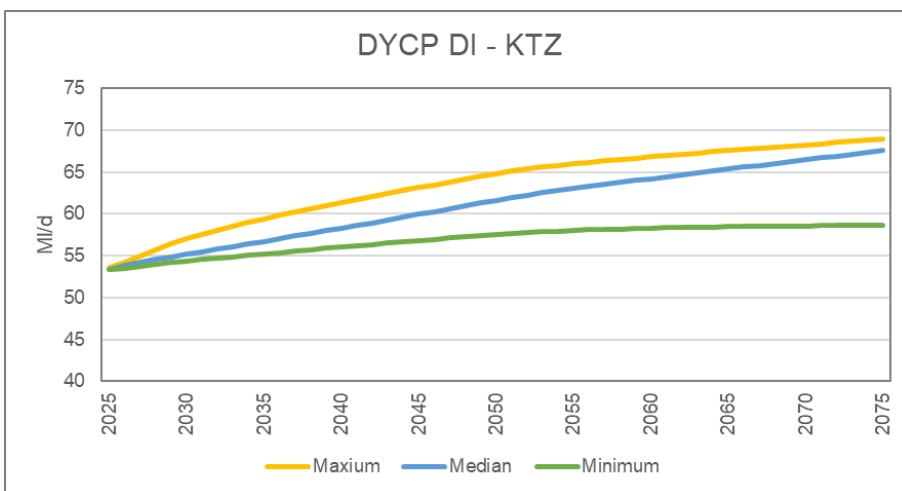
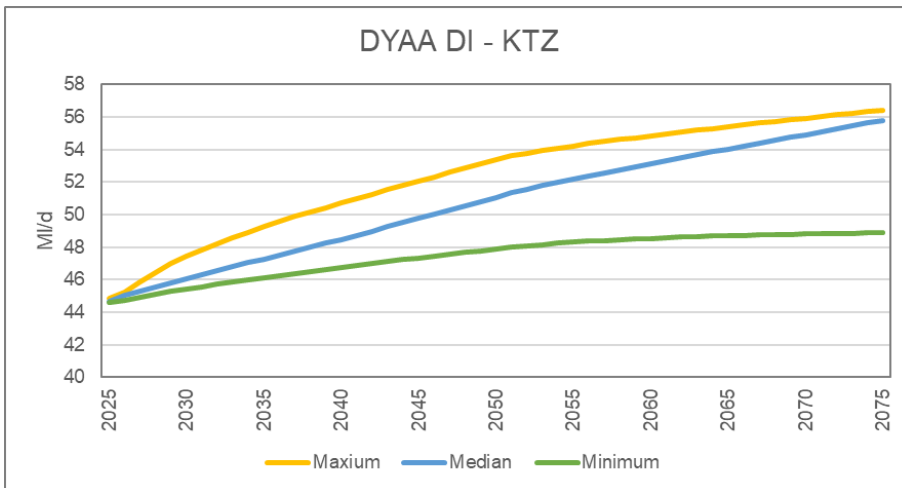
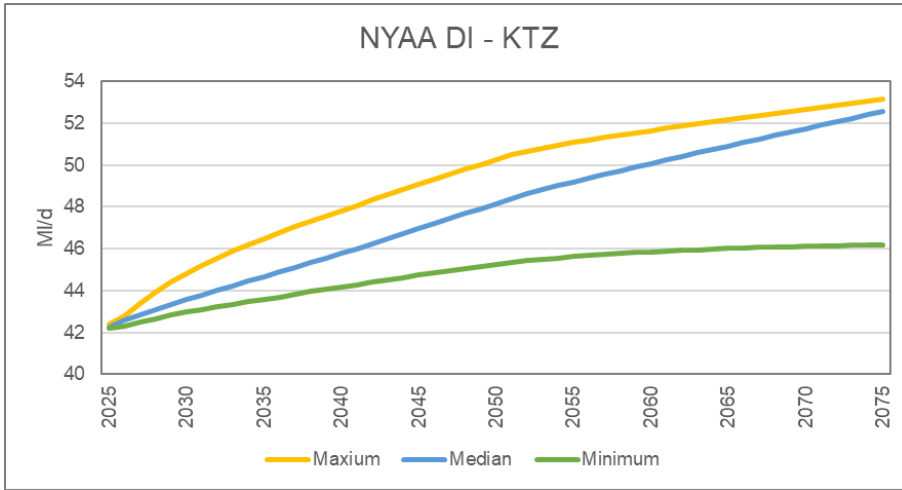
5.12 Kent Medway West (KMW)

NYAA = Normal Year Annual Average; DYAA = Dry Year Annual Average; DYCP = Dry Year Critical Period



5.13 Kent Thanet (KTZ)

NYAA = Normal Year Annual Average; DYAA = Dry Year Annual Average; DYCP = Dry Year Critical Period



5.14 Sussex Hastings (SHZ)

NYAA = Normal Year Annual Average; DYAA = Dry Year Annual Average; DYCP = Dry Year Critical Period

