### APPENDIX D - BESMM updated inputs for each RCP scenario

**RCP 2.6** 

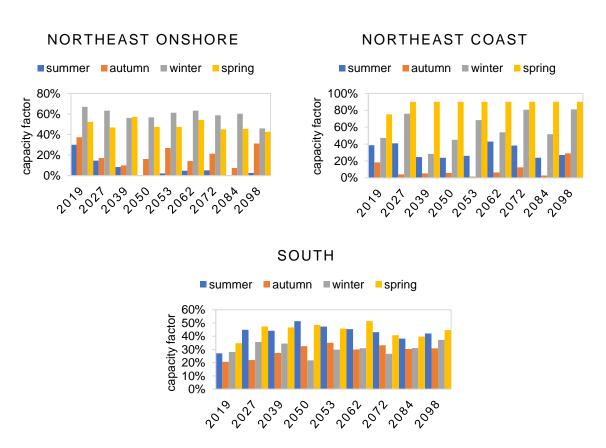
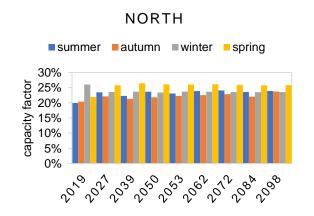
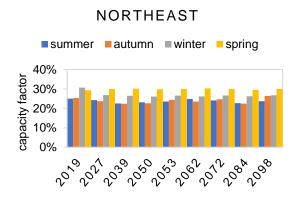


Figure D-1 – Wind power historical capacity factor (2019) and new capacity factors of solar power for selected locations and for selected years for scenario RCP 2.6.





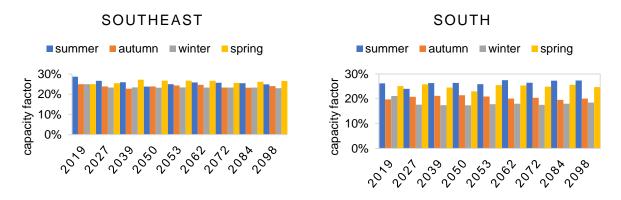


Figure D-2 – Solar power historical capacity factor (2019) and new capacity factors for selected locations and for selected years for scenario RCP 2.6.

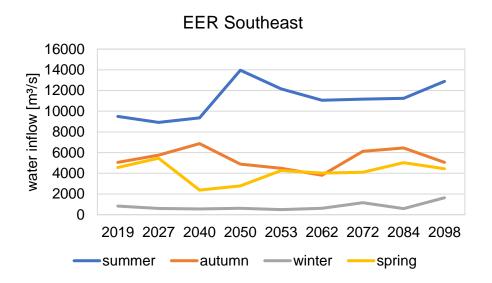


Figure D-3 – EER Southeast historical water inflow (2019) and updated water inflow for selected years for scenario RCP 2.6.

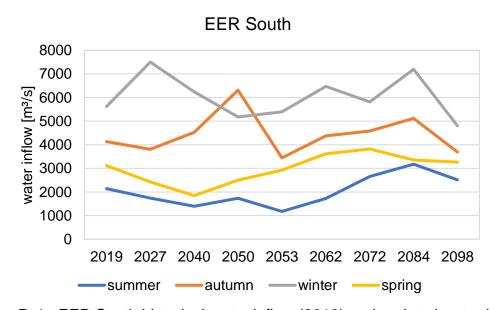


Figure D-4 - EER South historical water inflow (2019) and updated water inflow for selected years for scenario RCP 2.6.

### 12000 10000 8000 4000 2000 2019 2027 2040 2050 2053 2062 2072 2084 2098 —summer —autumn —winter —spring

Figure *D*-5 - EER Northeast historical water inflow (2019) and updated water inflow for selected years for scenario RCP 2.6.

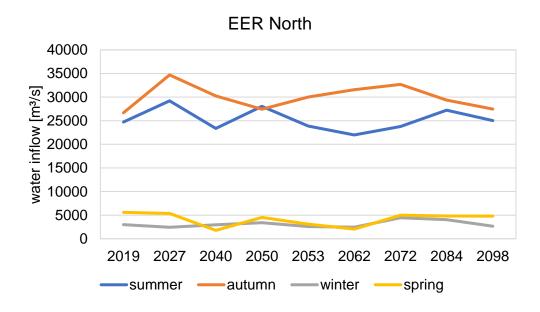


Figure D-6 - EER North historical water inflow (2019) and updated water inflow for selected years for scenario RCP 2.6.

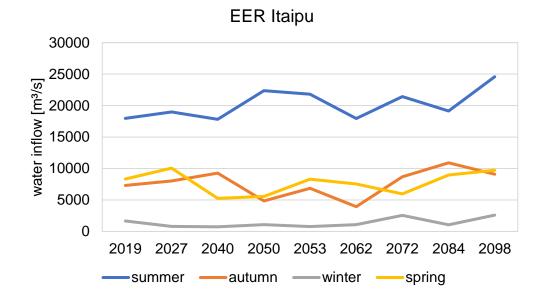


Figure *D*-7 - EER Itaipu historical water inflow (2019) and updated water inflow for selected years for scenario RCP 2.6.

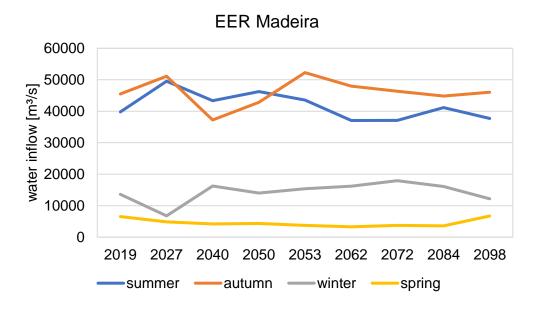


Figure D-8 - EER Madeira historical water inflow (2019) and updated water inflow for selected years for scenario RCP 2.6.

# ## Summer Fires | Summer | Su

Figure D-9 - EER Teles Pires historical water inflow (2019) and updated water inflow for selected years for scenario RCP 2.6.

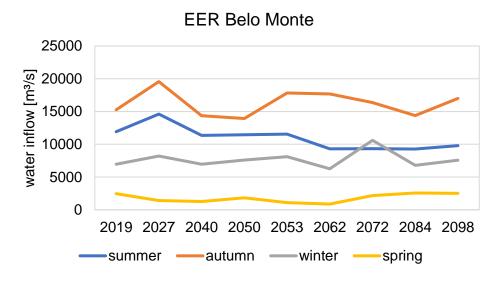


Figure D-10 - EER Belo Monte historical water inflow (2019) and updated water inflow for selected years for scenario RCP 2.6.

### **EER Amazonas**

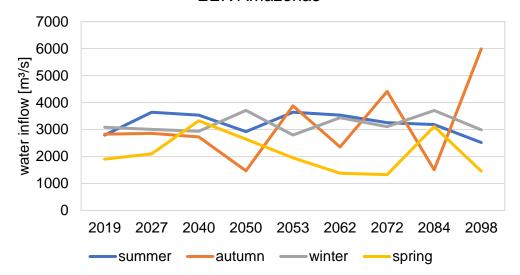


Figure D-11 - EER Amazonas historical water inflow (2019) and updated water inflow for selected years for scenario RCP 2.6.

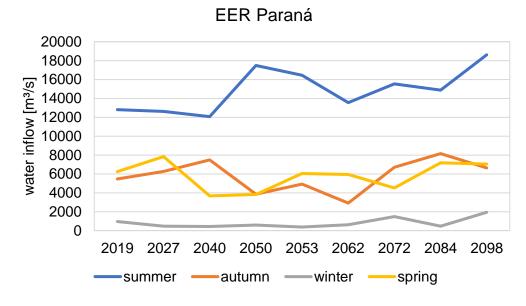


Figure D-12 - EER Paraná historical water inflow (2019) and updated water inflow for selected years for scenario RCP 2.6.

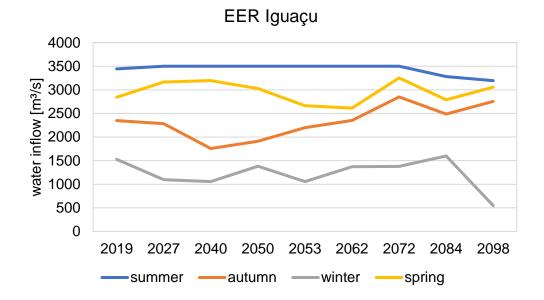


Figure D-13 - EER Iguaçu historical water inflow (2019) and updated water inflow for selected years for scenario RCP 2.6.

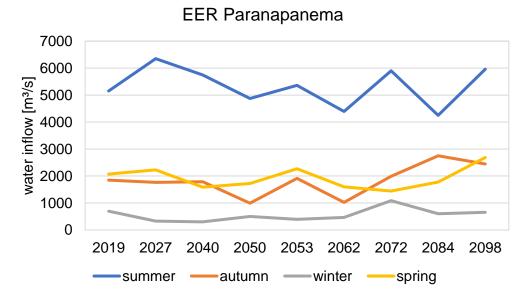


Figure D-14 - EER Paranapanema historical water inflow (2019) and updated water inflow for selected years for scenario RCP 2.6.

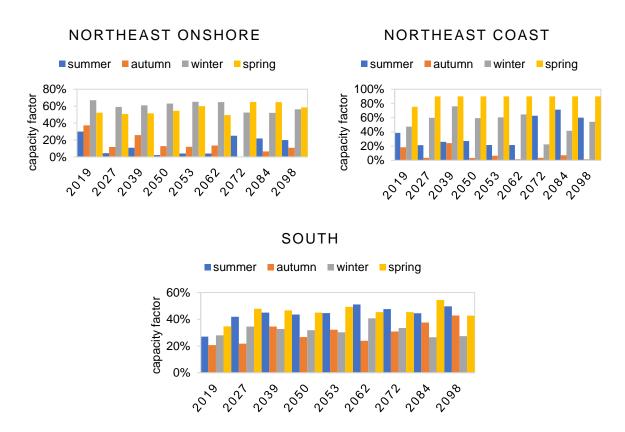
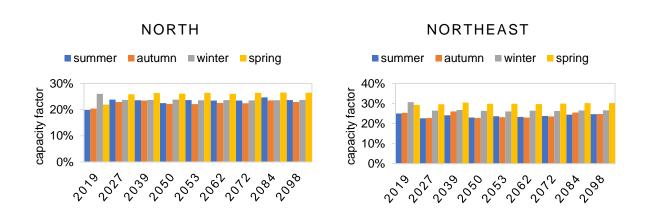


Figure D-15 – Wind power historical capacity factor (2019) and new capacity factors of solar power for selected locations and for selected years for scenario RCP 4.5.



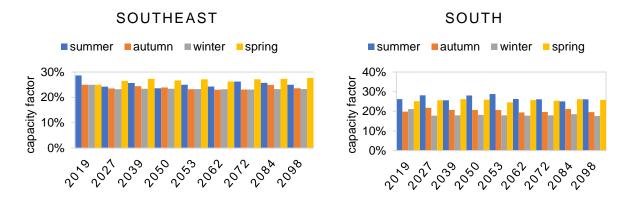


Figure D-16 – Solar power historical capacity factor (2019) and new capacity factors for selected locations and for selected years for scenario RCP 4.5.

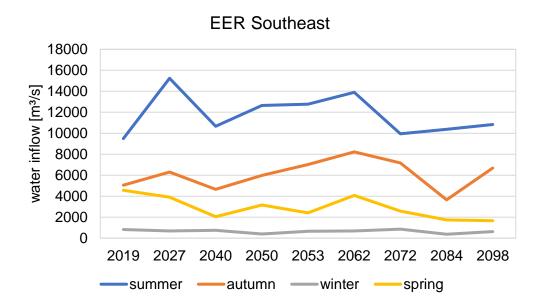


Figure D-17 - EER Southeast historical water inflow (2019) and updated water inflow for selected years for scenario RCP 4.5.

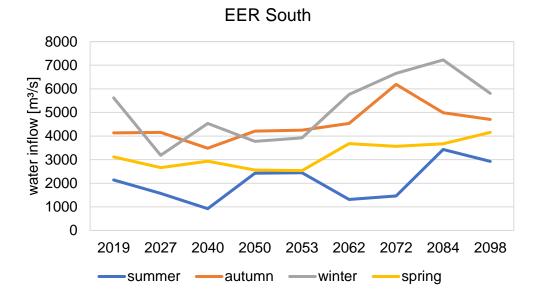


Figure D-18 - EER South historical water inflow (2019) and updated water inflow for selected years for scenario RCP 4.5.

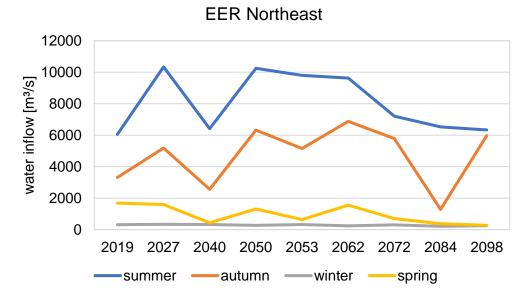


Figure D-19 - EER Northeast historical water inflow (2019) and updated water inflow for selected years for scenario RCP 4.5.

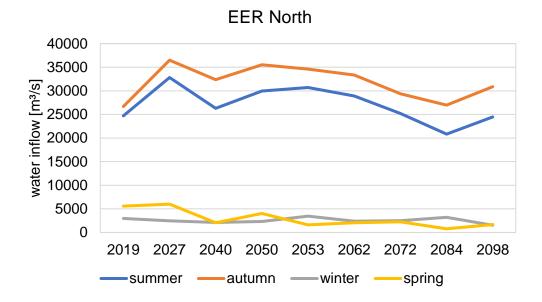


Figure D-20 - EER North historical water inflow (2019) and updated water inflow for selected years for scenario RCP 4.5.

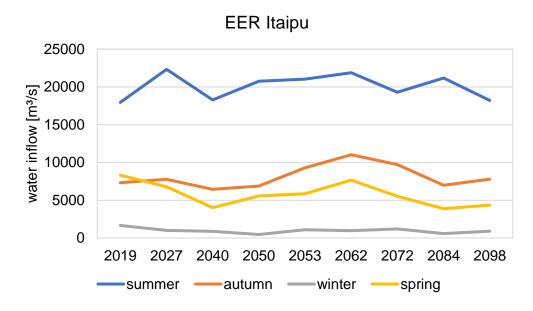


Figure D-21 - EER Itaipu historical water inflow (2019) and updated water inflow for selected years for scenario RCP 4.5.

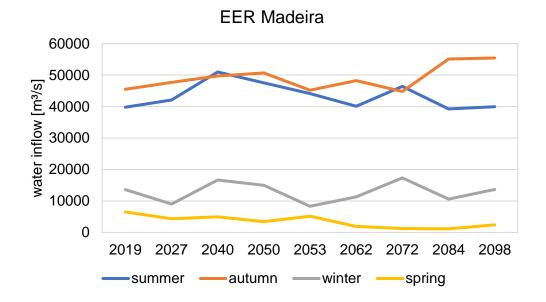


Figure D-22 - EER Madeira historical water inflow (2019) and updated water inflow for selected years for scenario RCP 4.5.

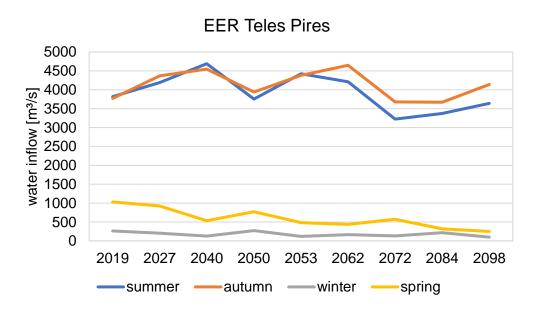


Figure D-23 - EER Teles Pires historical water inflow (2019) and updated water inflow for selected years for scenario RCP 4.5.

# 25000 20000 15000 10000 2019 2027 2040 2050 2053 2062 2072 2084 2098 —summer —autumn —winter —spring

Figure D-24 - EER Belo Monte historical water inflow (2019) and updated water inflow for selected years for scenario RCP 4.5.

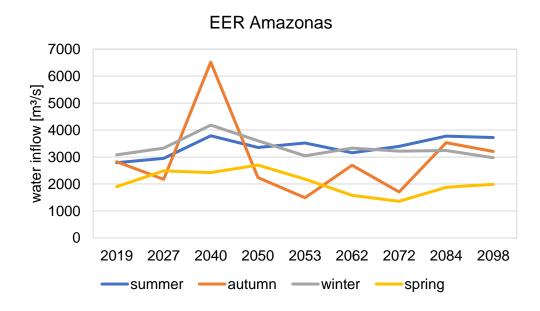


Figure D-25 - EER Amazonas historical water inflow (2019) and updated water inflow for selected years for scenario RCP 4.5.

## EER Paraná 20000 18000 18000 16000 12000 12000 12000 10000 8000 4000 2000 0 2019 2027 2040 2050 2053 2062 2072 2084 2098 —summer —autumn —winter —spring

Figure D-26 - EER Paraná historical water inflow (2019) and updated water inflow for selected years for scenario RCP 4.5.

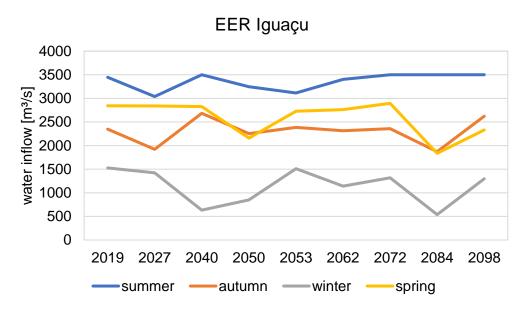


Figure D-27 - EER Iguaçu historical water inflow (2019) and updated water inflow for selected years for scenario RCP 4.5.

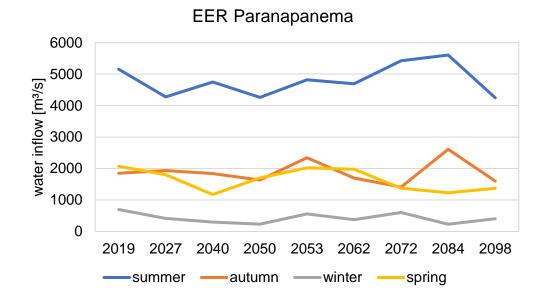


Figure D-28 - EER Paranapanema historical water inflow (2019) and updated water inflow for selected years for scenario RCP 4.5.

### **RCP 8.5**

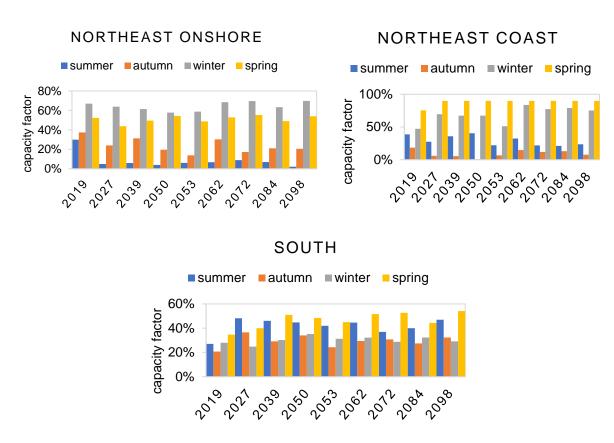


Figure D-29 – Wind power historical capacity factor (2019) and new capacity factors of solar power for selected locations and for selected years for scenario RCP 8.5.

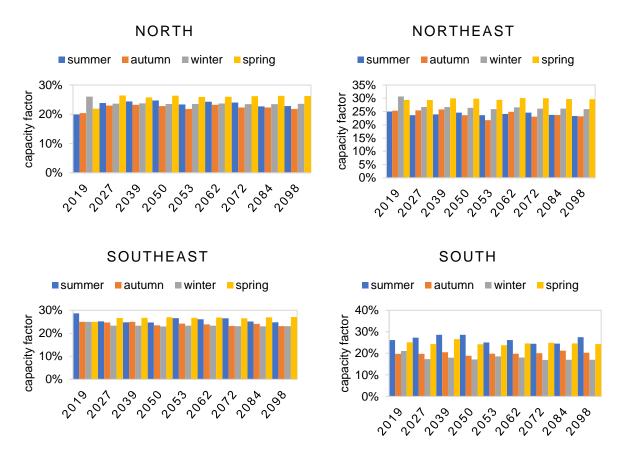


Figure D-30 - Solar power historical capacity factor (2019) and new capacity factors for selected locations and for selected years for scenario RCP 8.5.

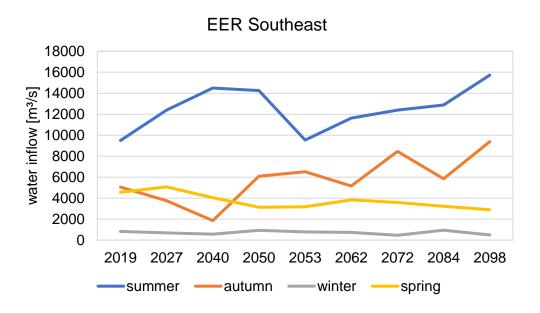


Figure D-31 - EER Southeast historical water inflow (2019) and updated water inflow for selected years for scenario RCP 8.5.

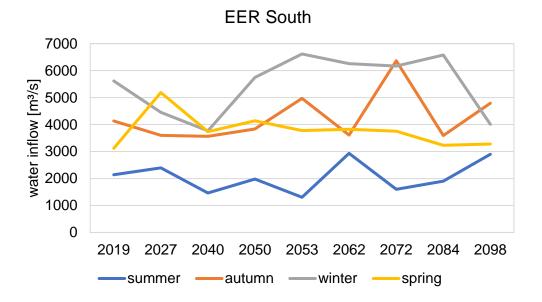


Figure D-32 - EER South historical water inflow (2019) and updated water inflow for selected years for scenario RCP 8.5.

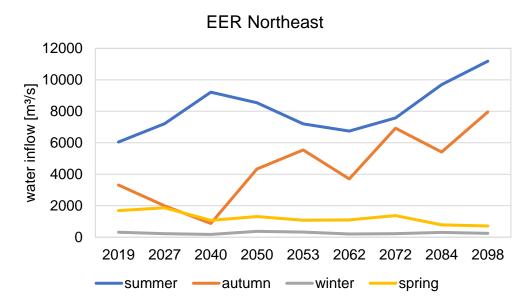


Figure D-33 - EER Northeast historical water inflow (2019) and updated water inflow for selected years for scenario RCP 8.5.

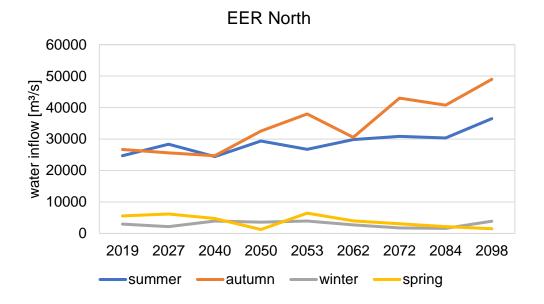


Figure D-34 - EER North historical water inflow (2019) and updated water inflow for selected years for scenario RCP 8.5.

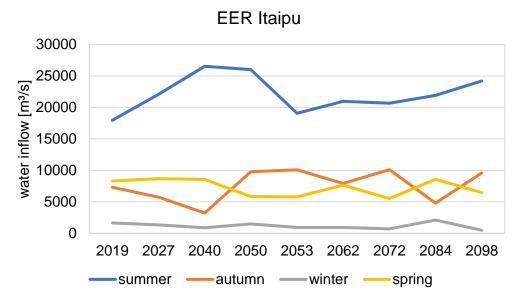


Figure D-35 - EER Itaipu historical water inflow (2019) and updated water inflow for selected years for scenario RCP 8.5.

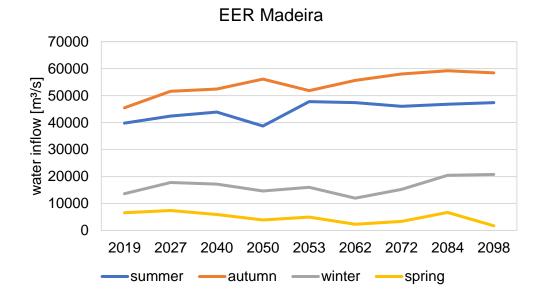


Figure D-36 - EER Madeira historical water inflow (2019) and updated water inflow for selected years for scenario RCP 8.5.

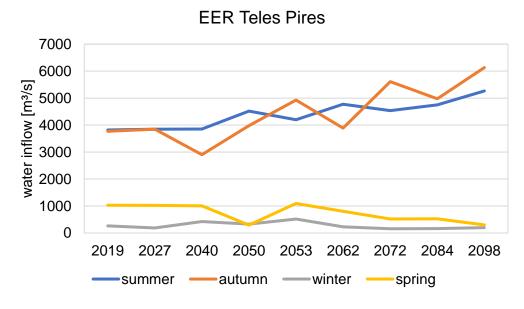


Figure D-37 - EER Teles Pires historical water inflow (2019) and updated water inflow for selected years for scenario RCP 8.5.

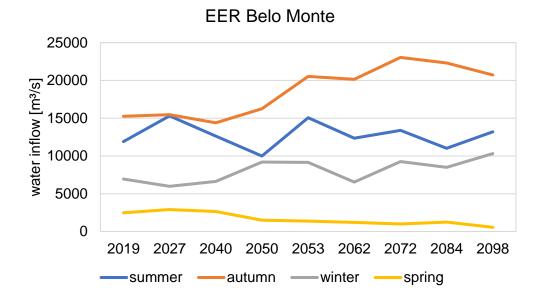


Figure D-38 - EER Belo Monte historical water inflow (2019) and updated water inflow for selected years for scenario RCP 8.5.

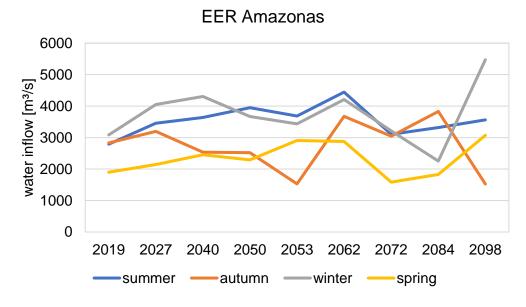


Figure D-39 - EER Amazonas historical water inflow (2019) and updated water inflow for selected years for scenario RCP 8.5.

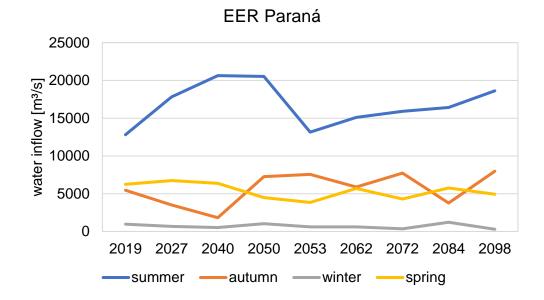


Figure D-40 - EER Paraná historical water inflow (2019) and updated water inflow for selected years for scenario RCP 8.5.

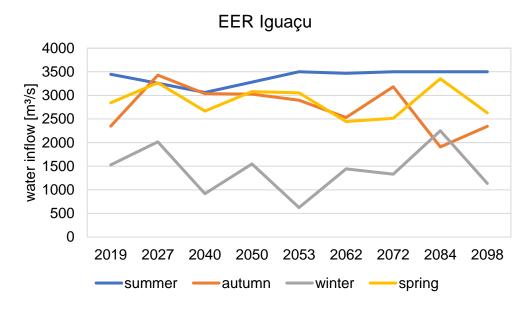


Figure D-41 - EER Iguaçu historical water inflow (2019) and updated water inflow for selected years for scenario RCP 8.5.

## | Sering | Ferring | Ferri

Figure D-42 - EER Paranapanema historical water inflow (2019) and updated water inflow for selected years for scenario RCP 8.5.