

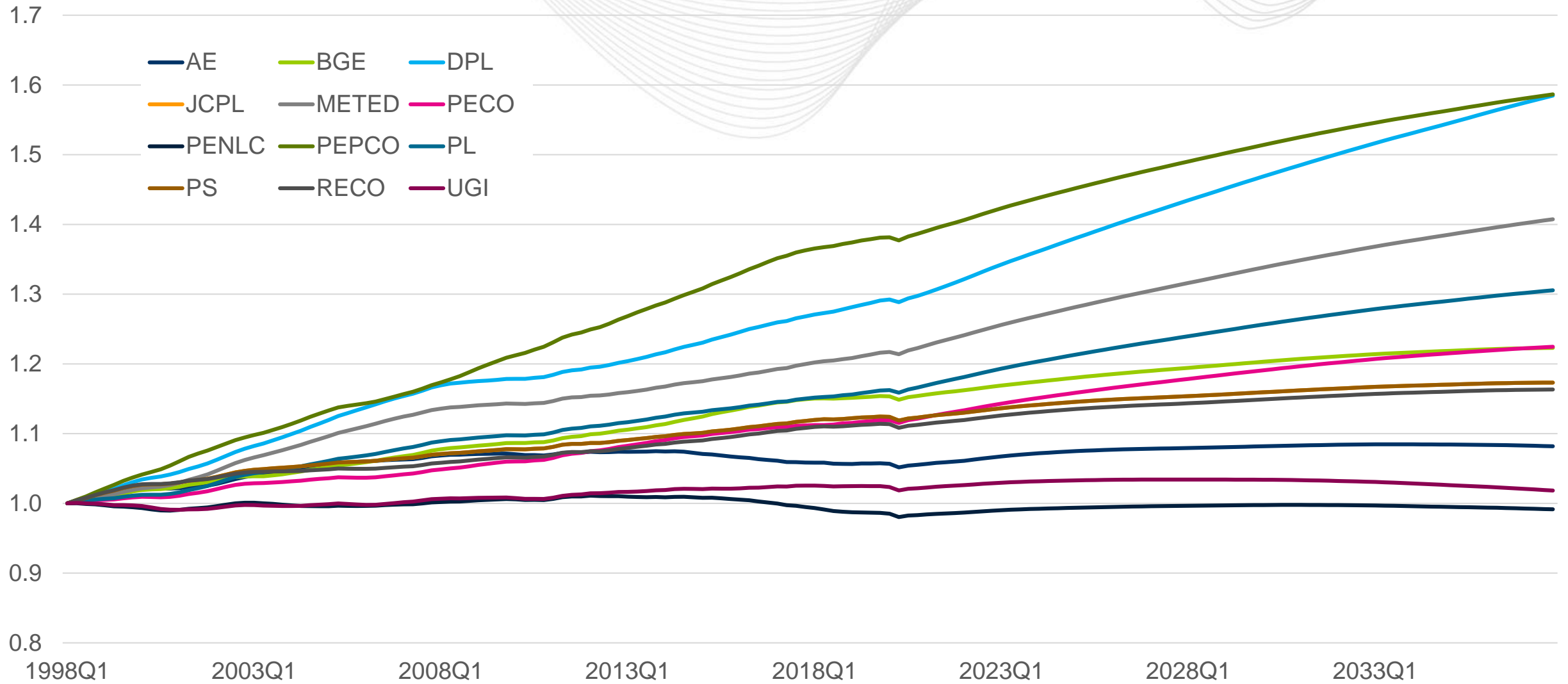
# Economic Input Variables

- PJM uses data obtained from Moody's Analytics on economics (their September 2021 forecast vintage).
- In the slides that follow are the variables we use shown both as an index (with 1998Q1 = 1.0) and a comparison of historical and forecast growth.

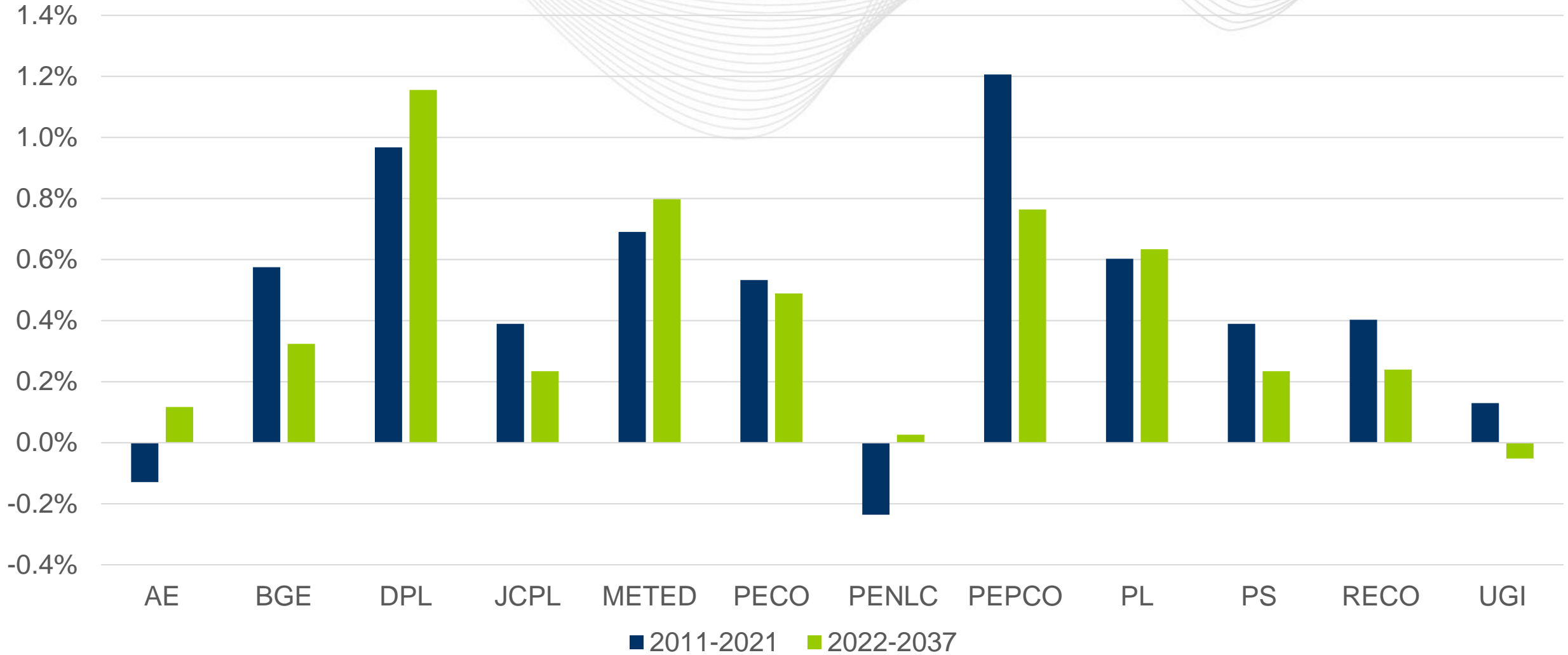
# Households



# Mid-Atlantic Zones – Households (1998Q1 = 1.0)

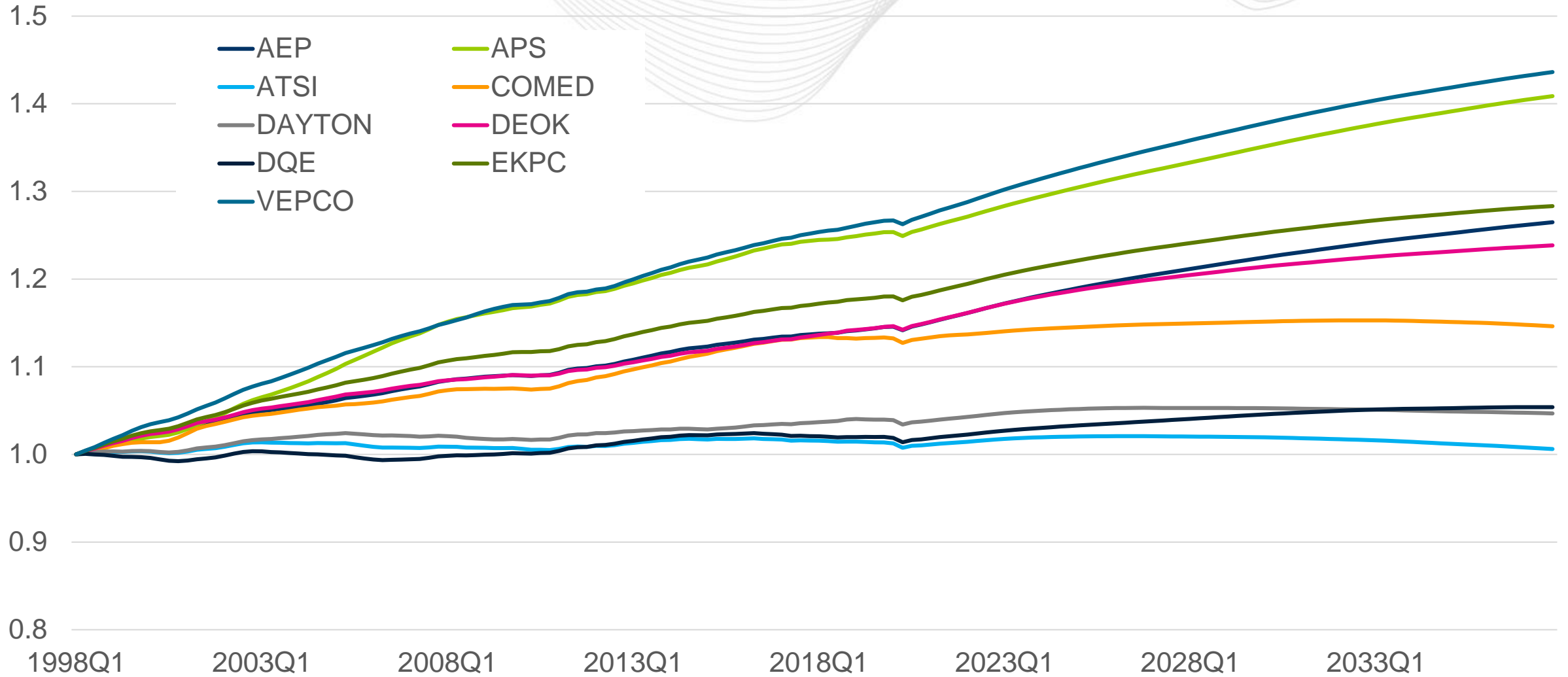


# Mid-Atlantic Zones – Households (Growth)



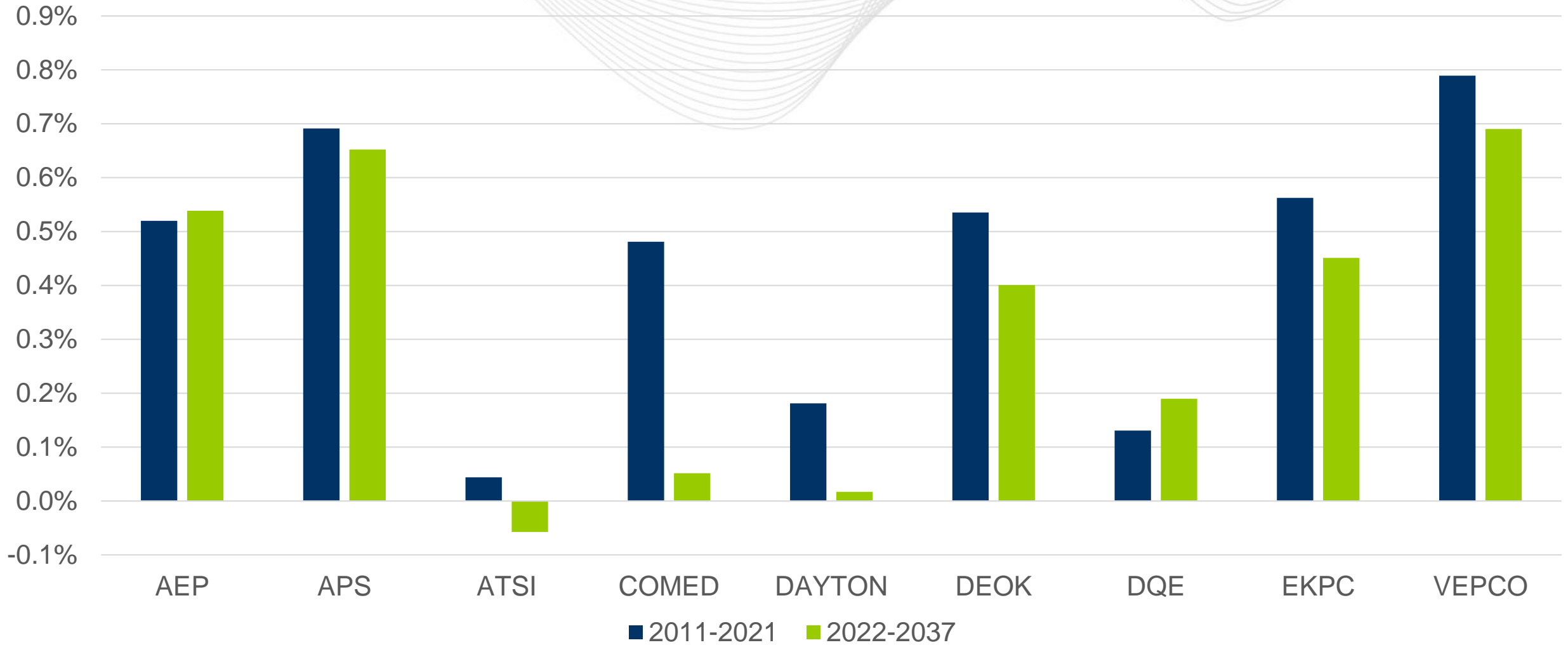


# West Zones & Dominion – Households (1998Q1=1.0)





# West Zones & Dominion— Households (Growth)

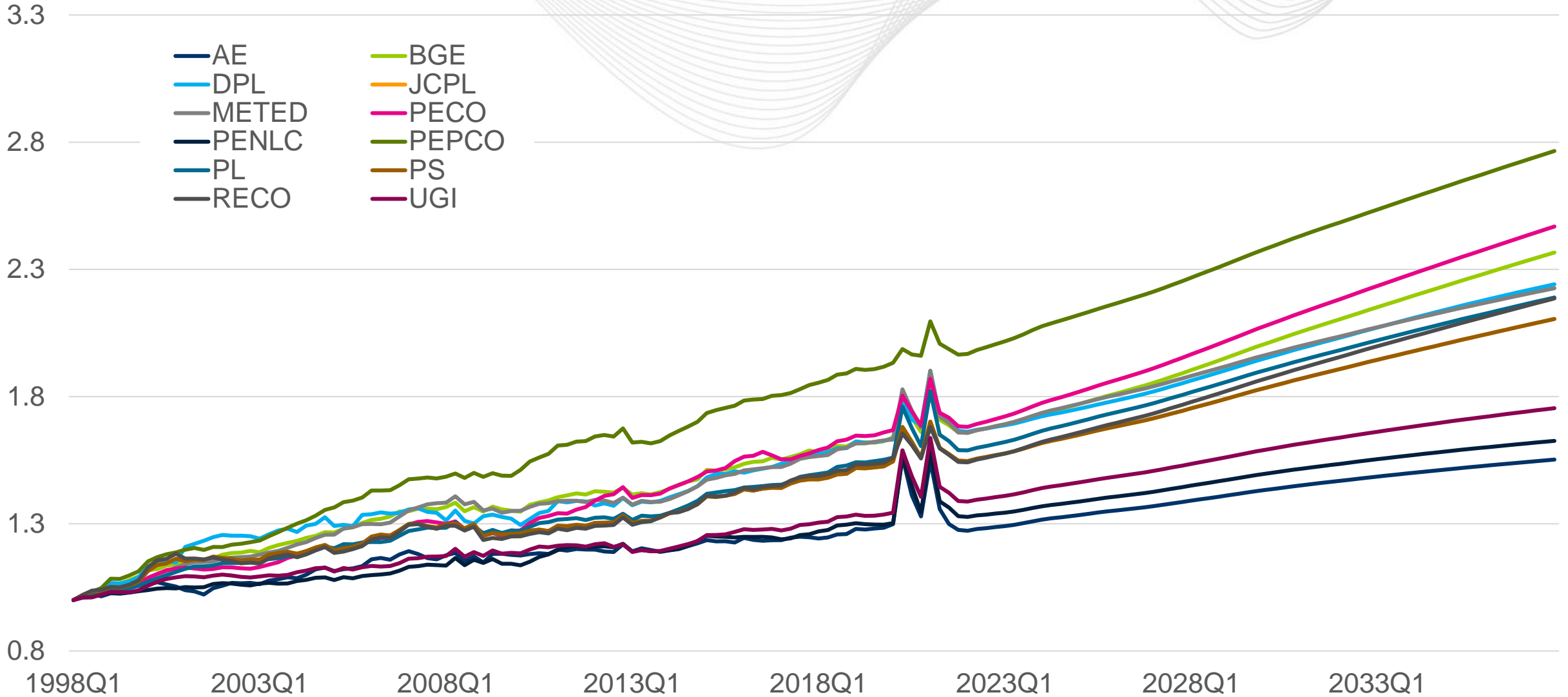


# Real Personal Income



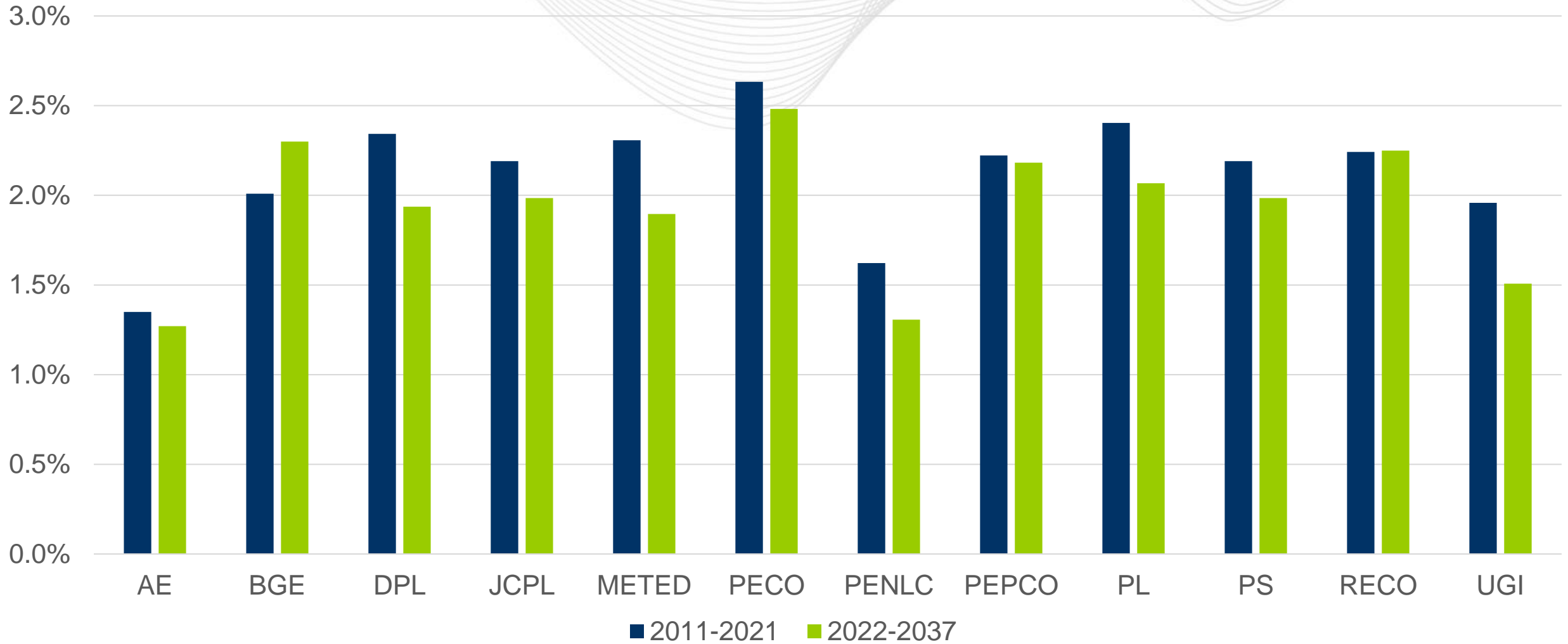


# Mid-Atlantic Zones – Real Personal Income (1998Q1 = 1.0)



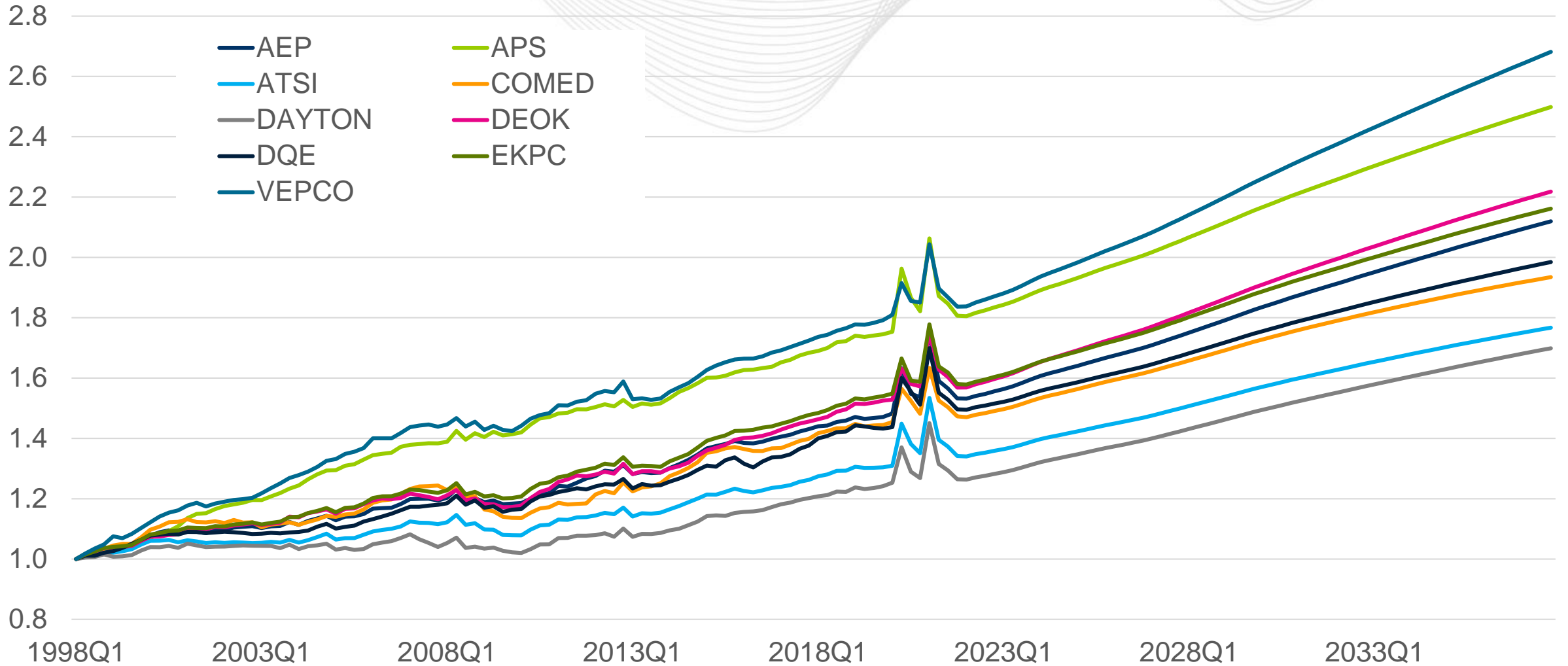


# Mid-Atlantic Zones – Real Personal Income (Growth)



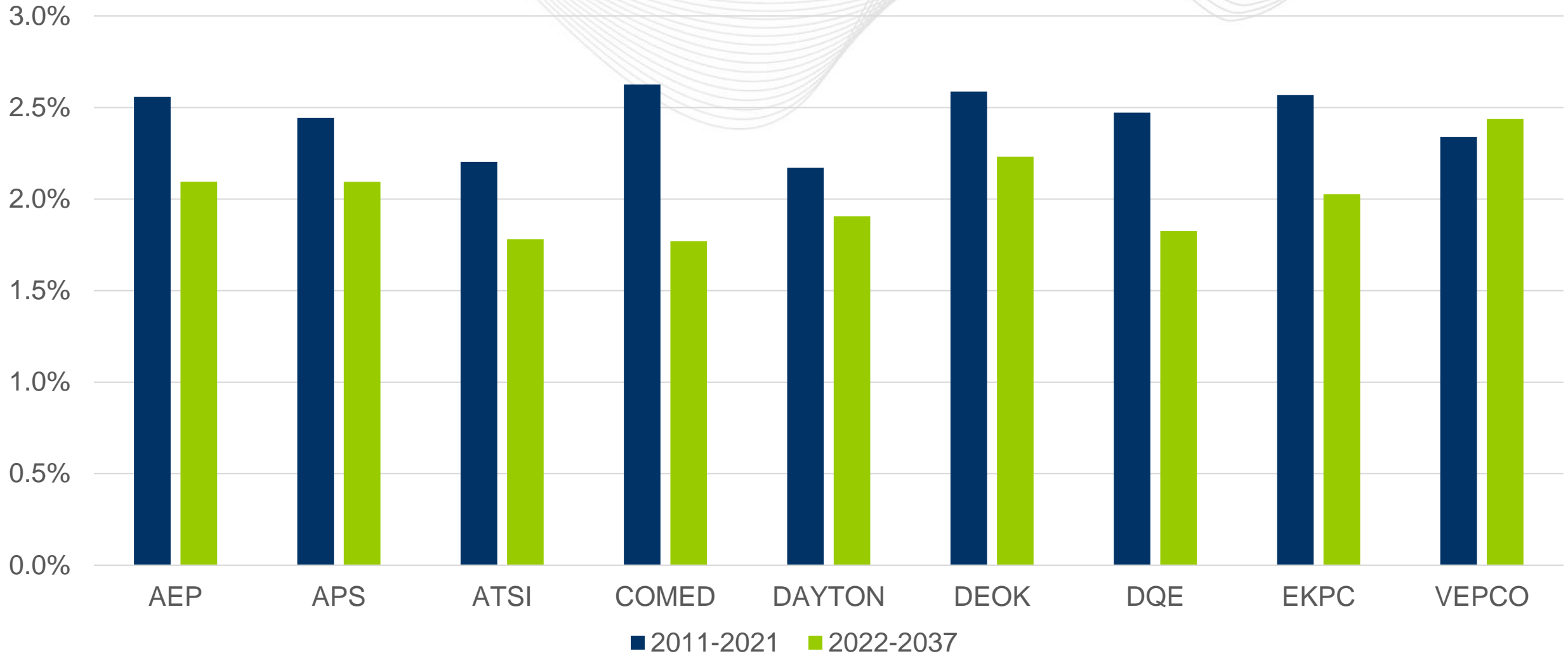


# West Zones & Dominion – Real Personal Income (1998Q1=1.0)



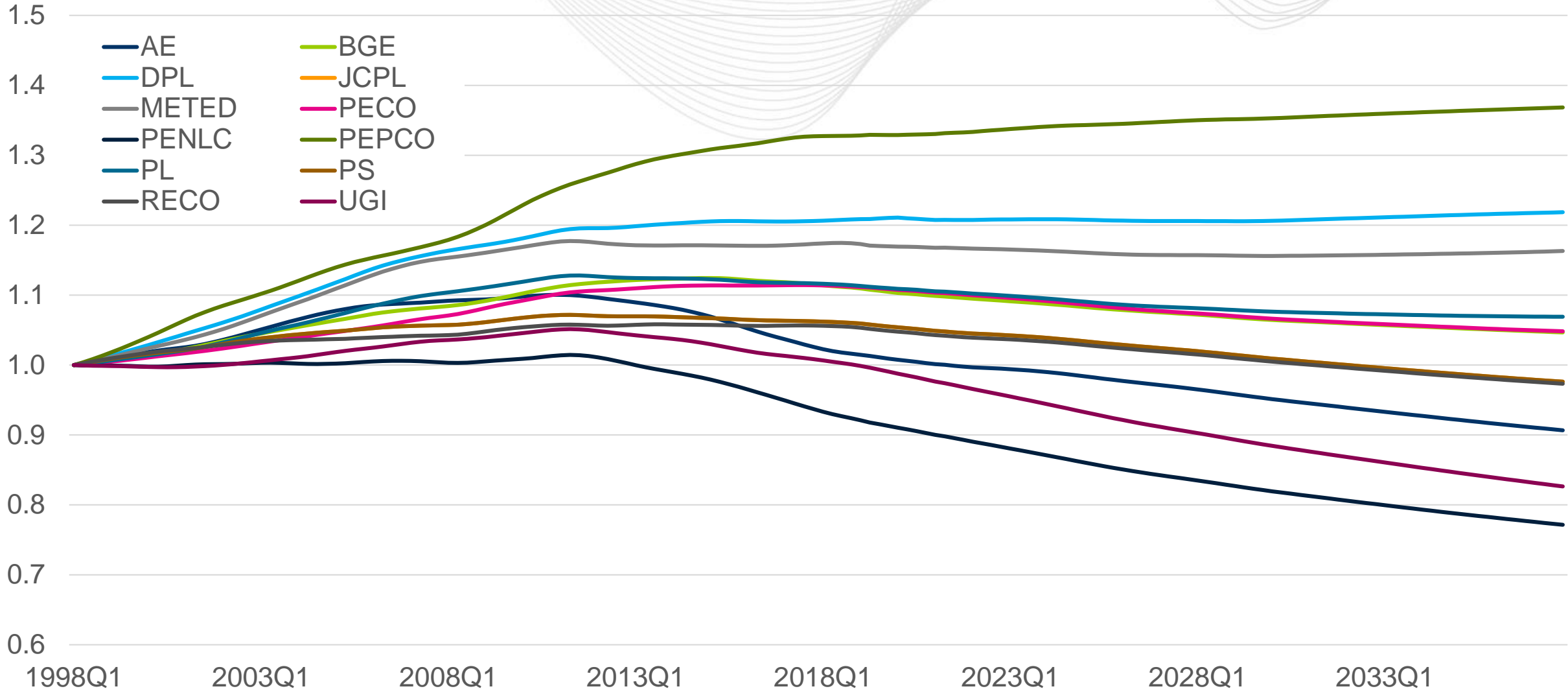


# West Zones & Dominion– Real Personal Income (Growth)



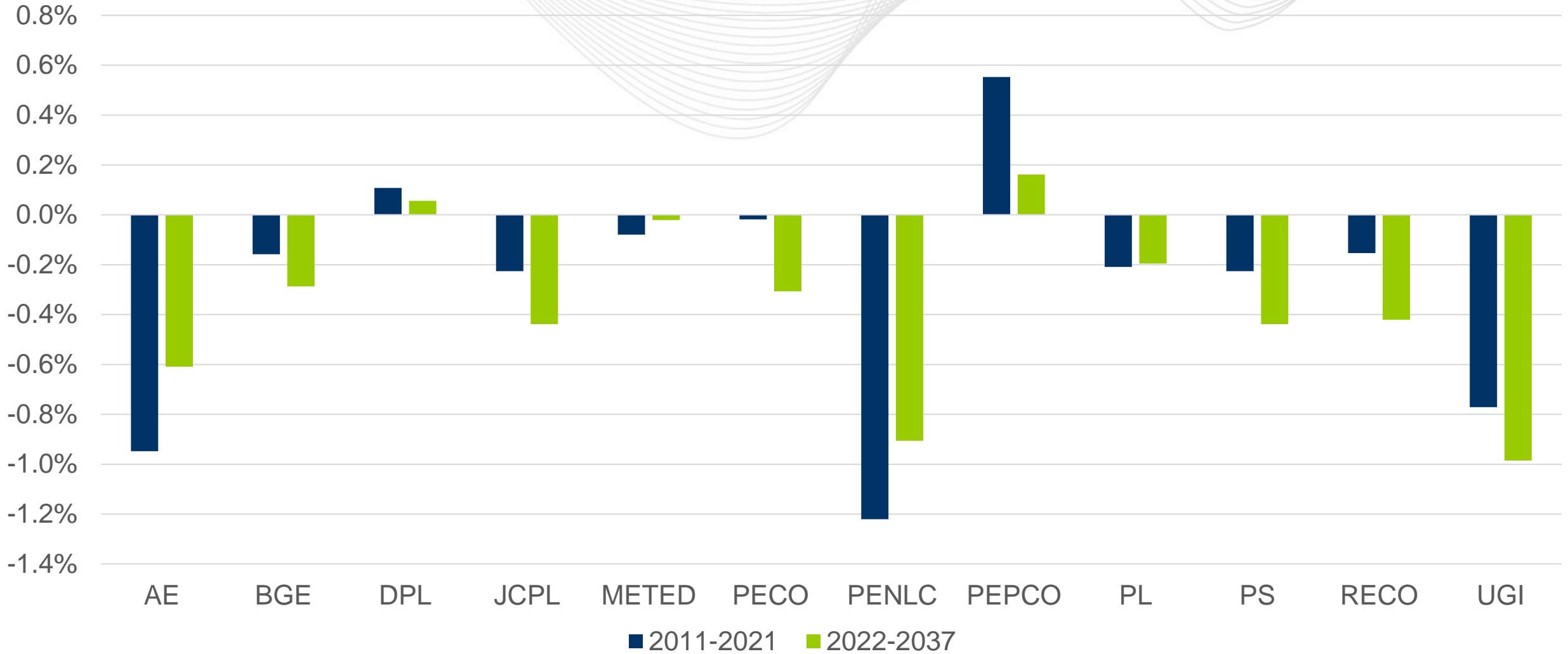
# Working-Age Population

**pjm** Mid-Atlantic Zones – Working-Age Population (1998Q1 = 1.0)



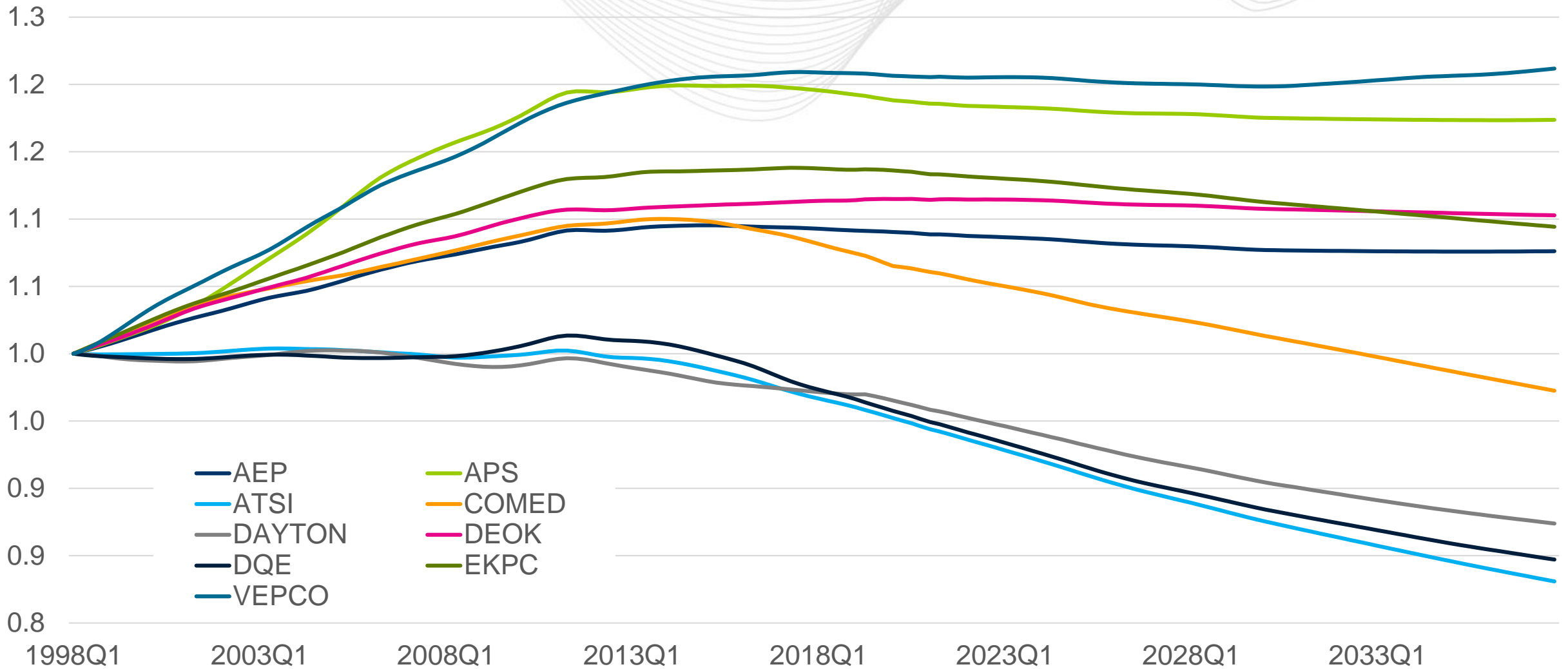


# Mid-Atlantic Zones – Working-Age Population (Growth)





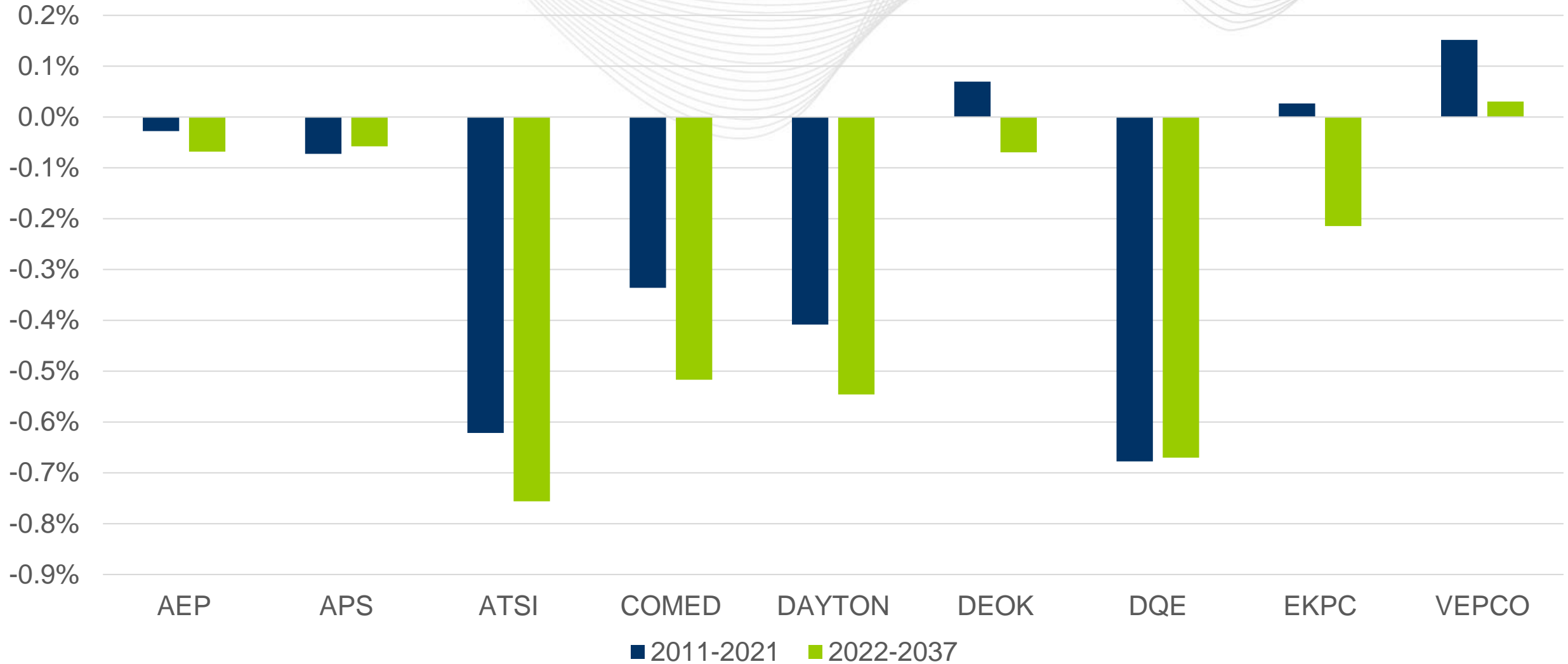
# West Zones & Dominion – Working-Age Population (1998Q1=1.0)







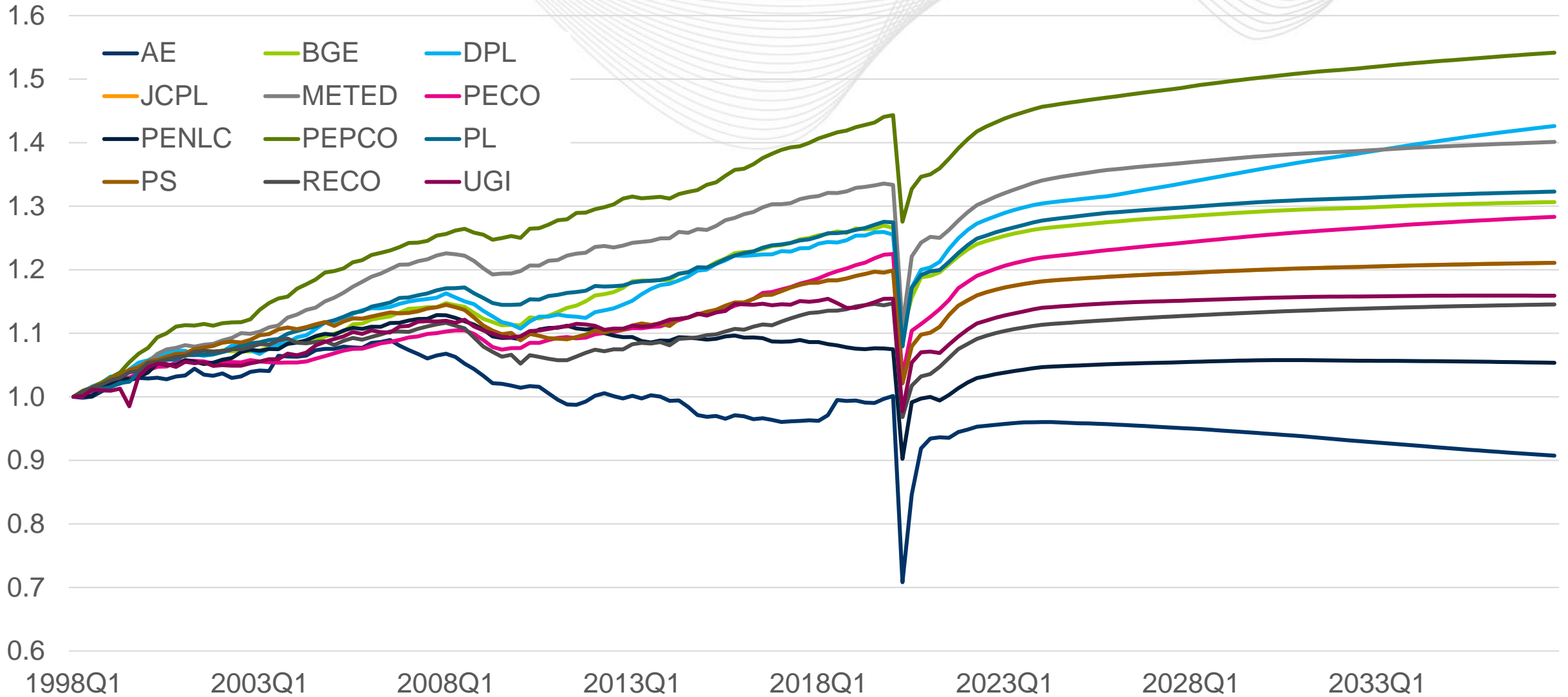
# West Zones & Dominion— Working-Age Population (Growth)



# Service Employment

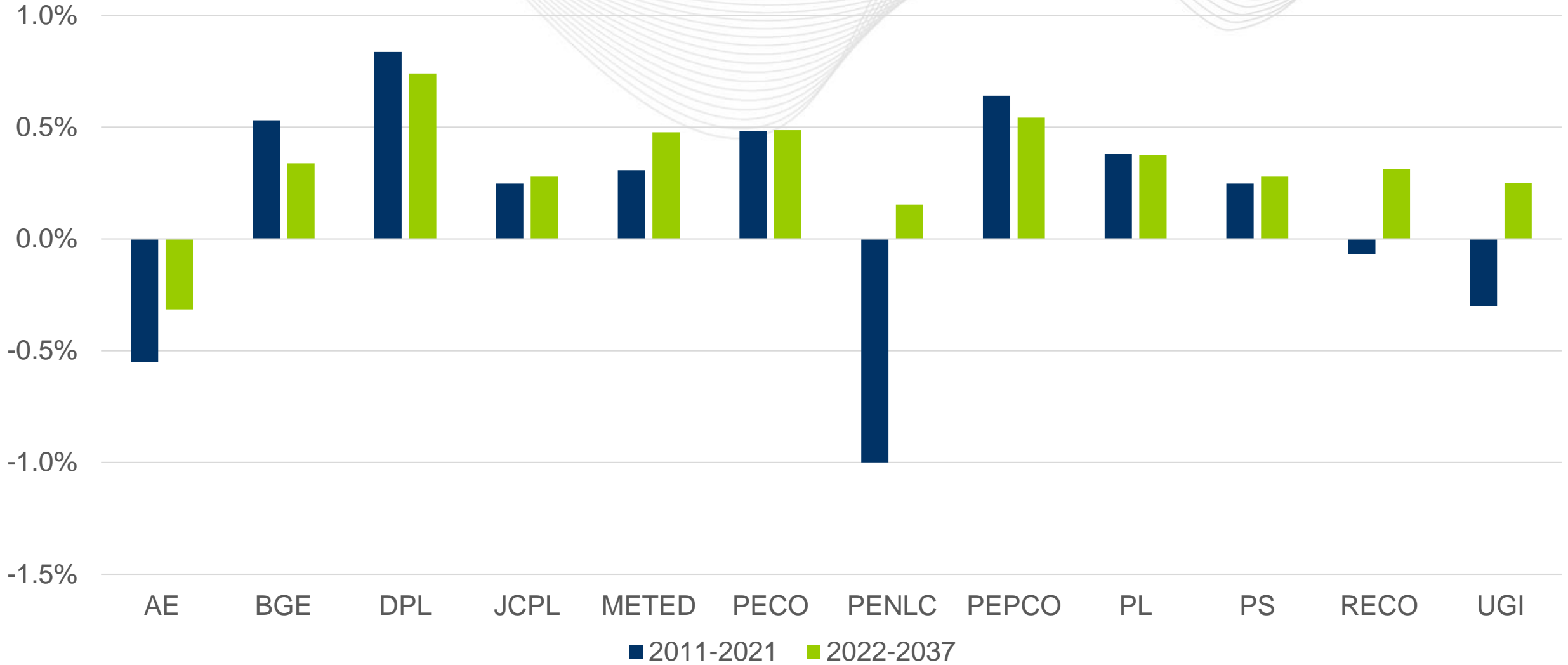


# Mid-Atlantic Zones – Service Employment (1998Q1 = 1.0)



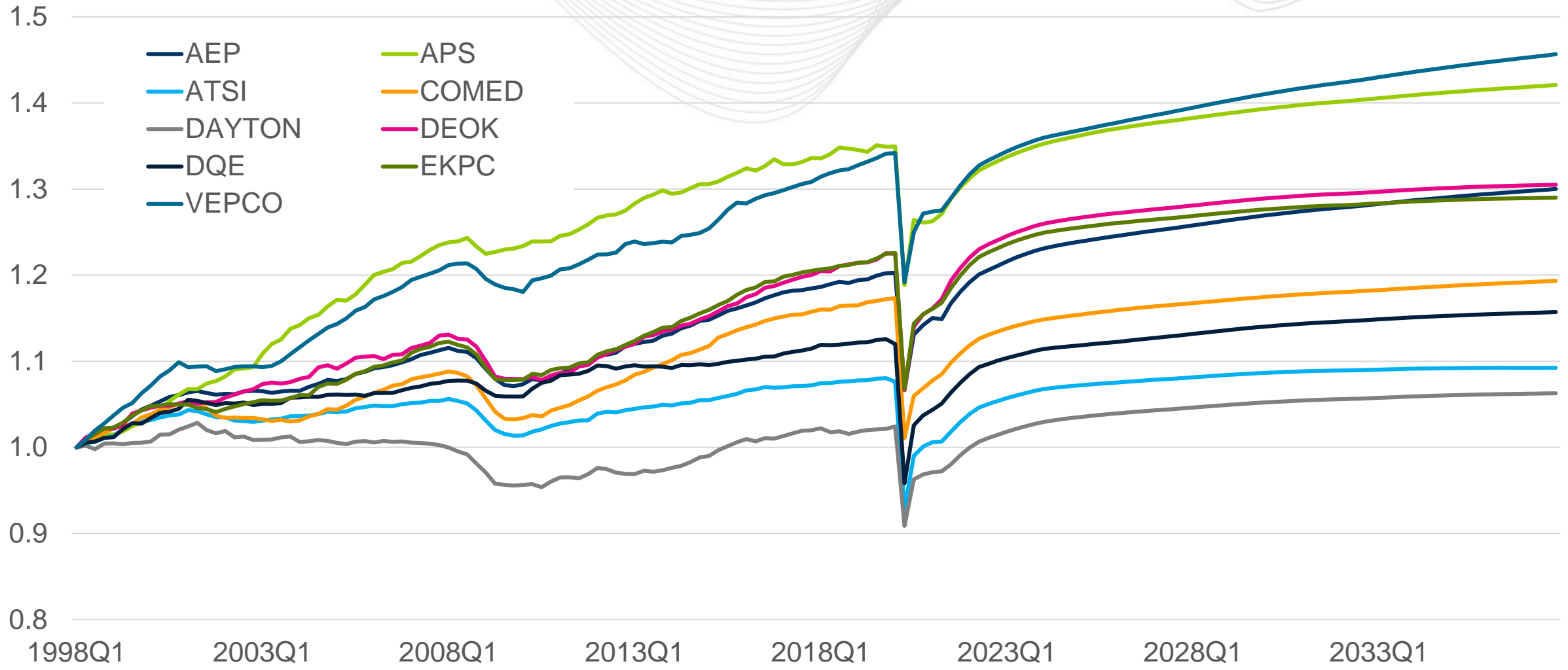


# Mid-Atlantic Zones – Service Employment (Growth)



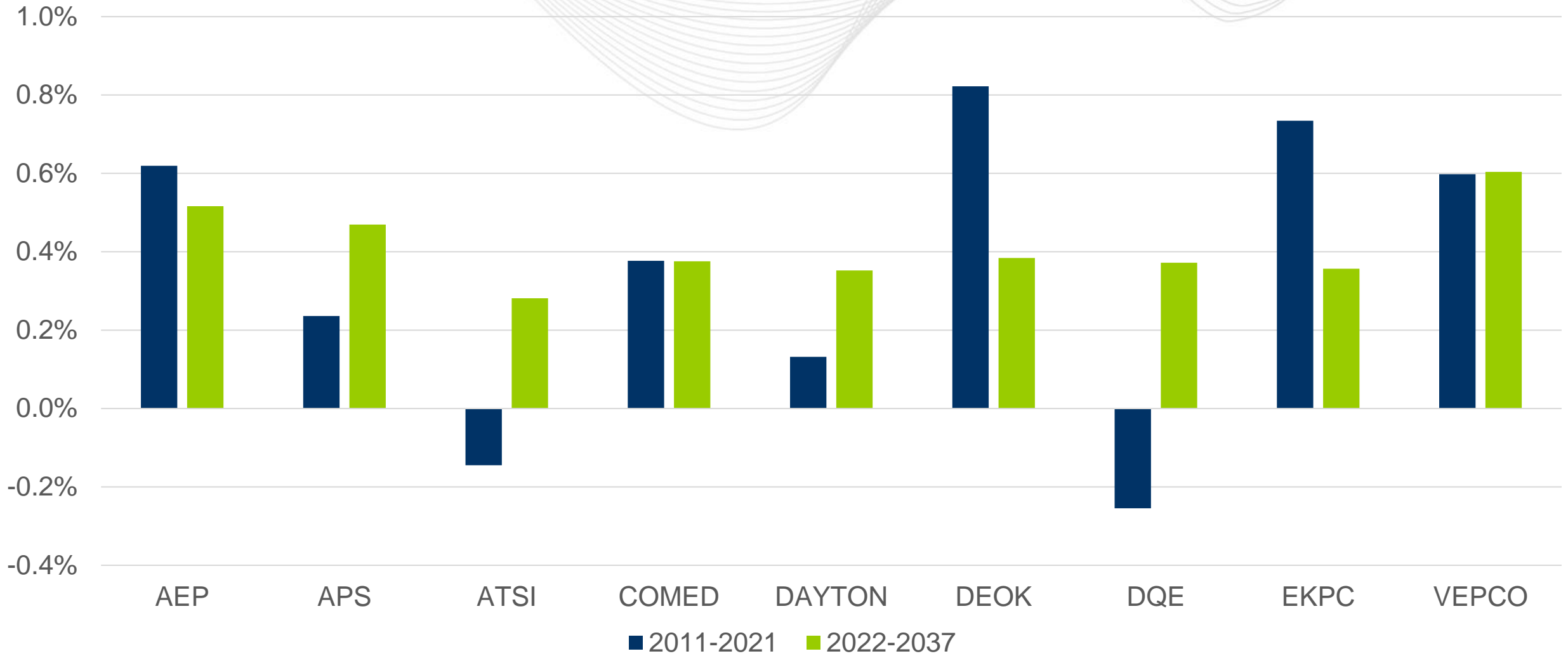


# West Zones & Dominion – Service Employment (1998Q1=1.0)





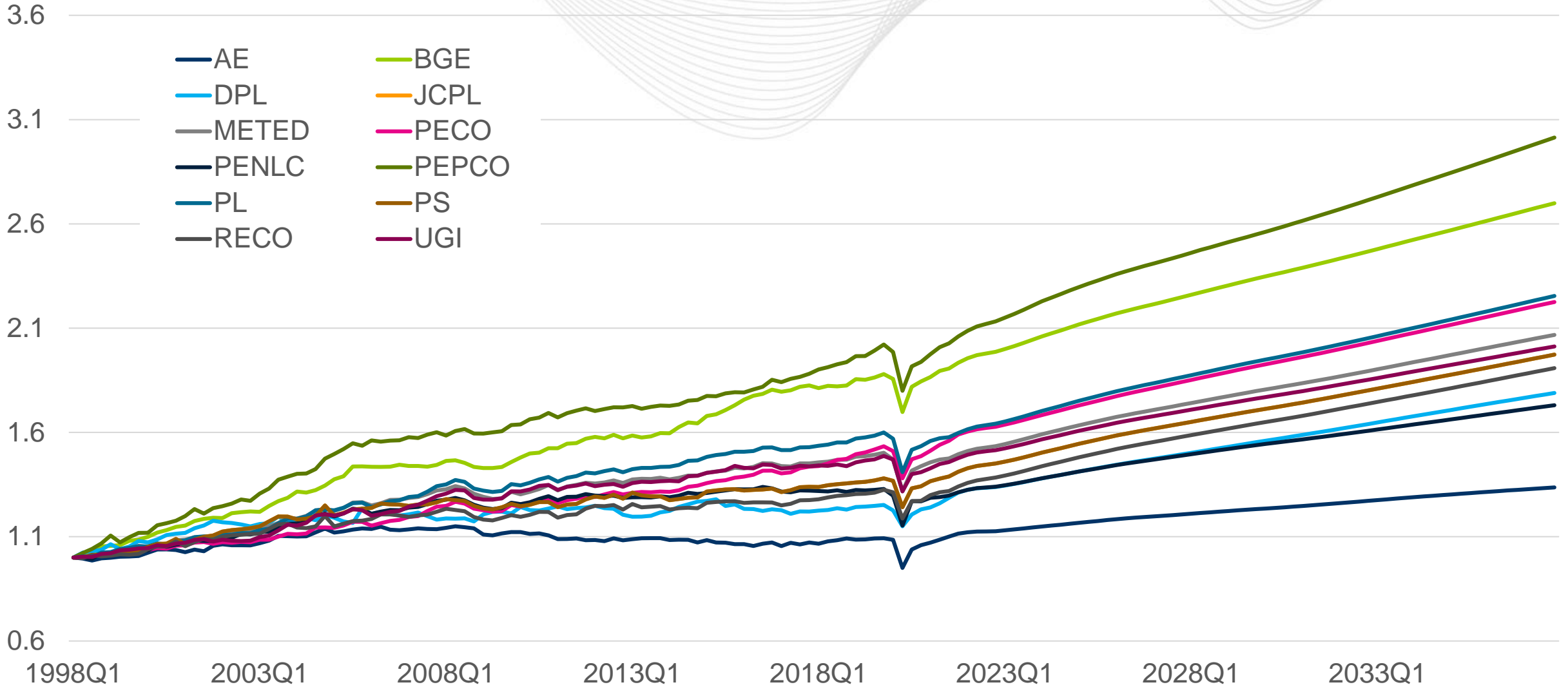
# West Zones & Dominion– Service Employment (Growth)



# Service Output

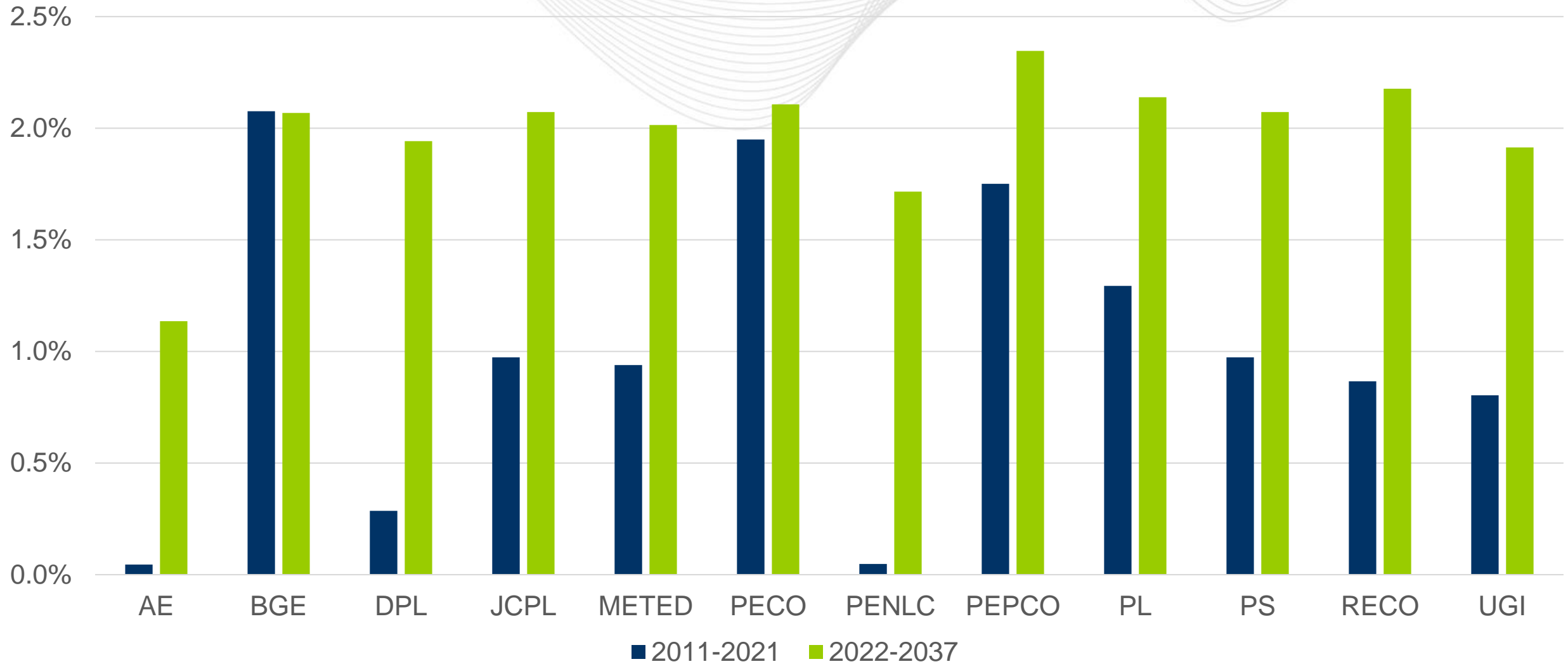


# Mid-Atlantic Zones – Service Output (1998Q1 = 1.0)



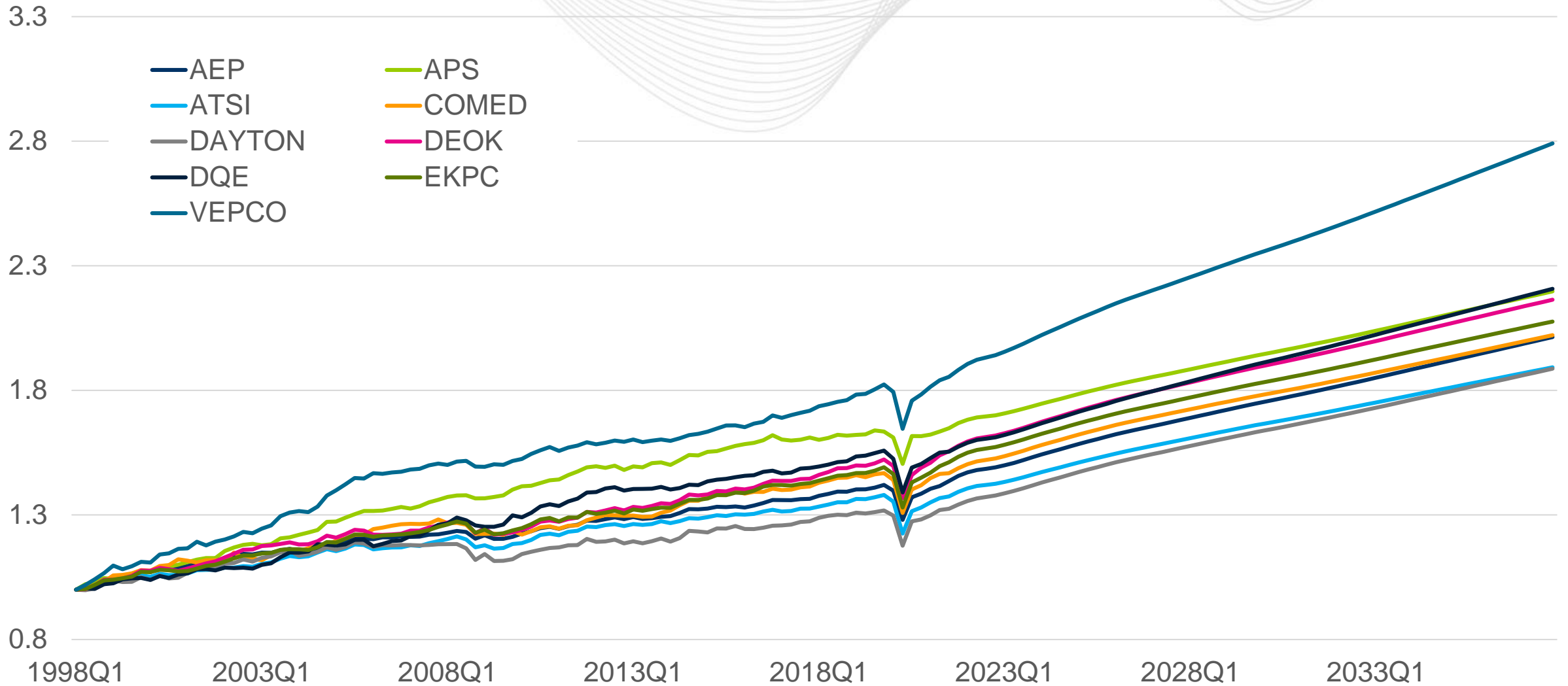


# Mid-Atlantic Zones – Service Output (Growth)



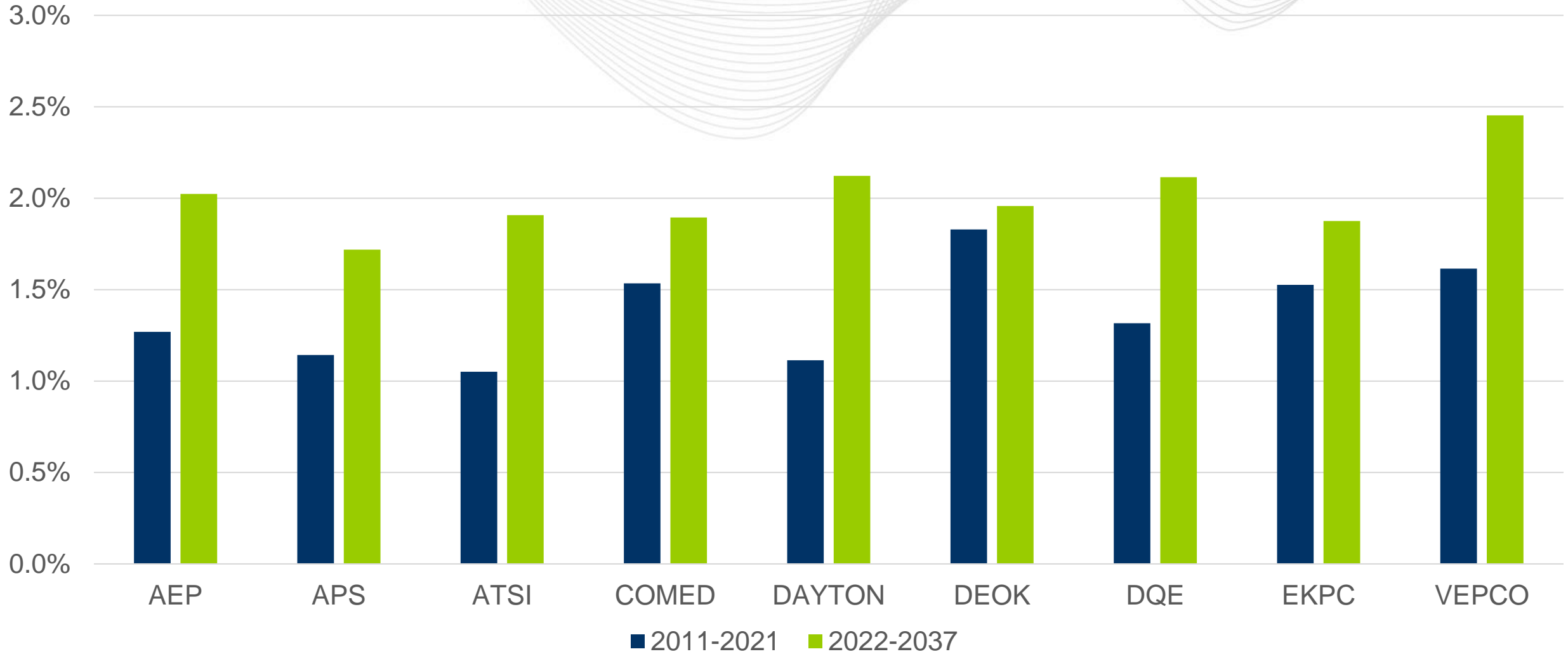


# West Zones & Dominion – Service Output (1998Q1=1.0)



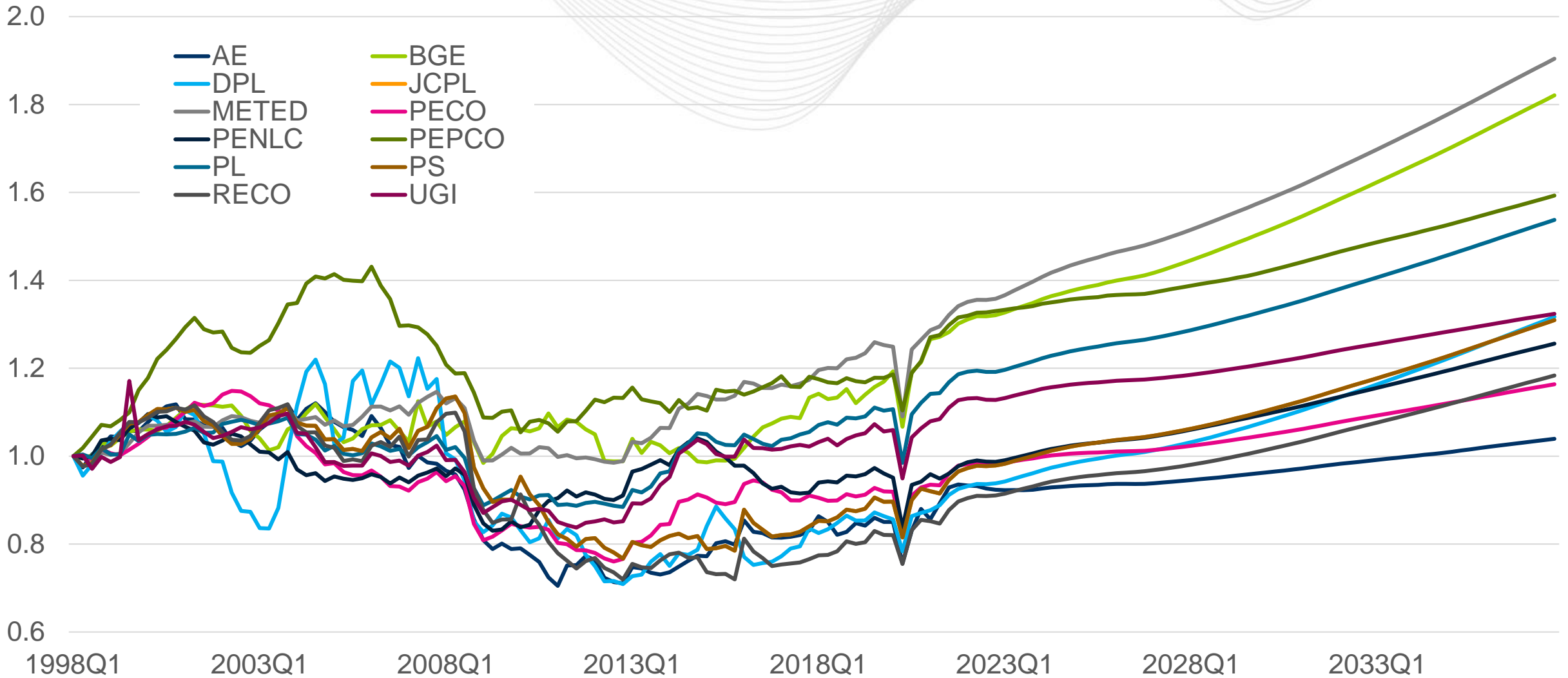


# West Zones & Dominion— Service Output (Growth)

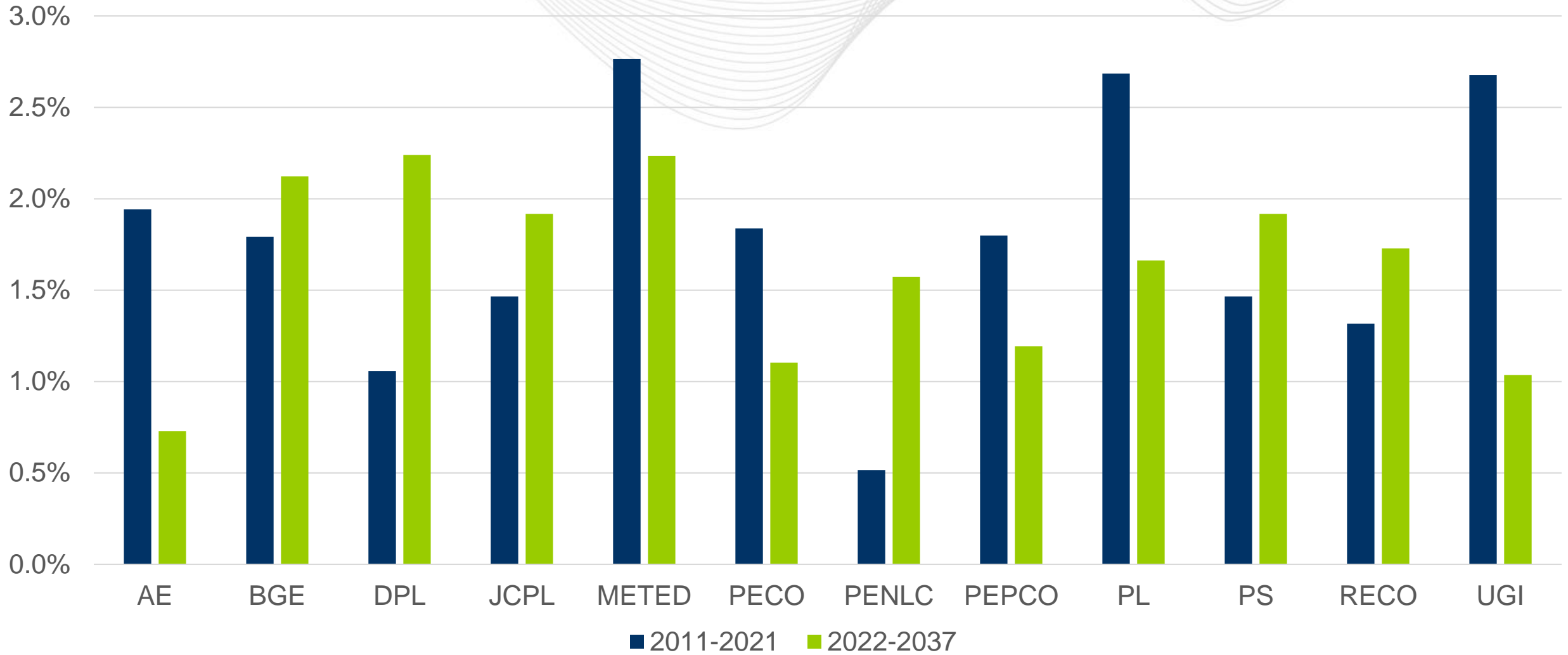


# Goods Output

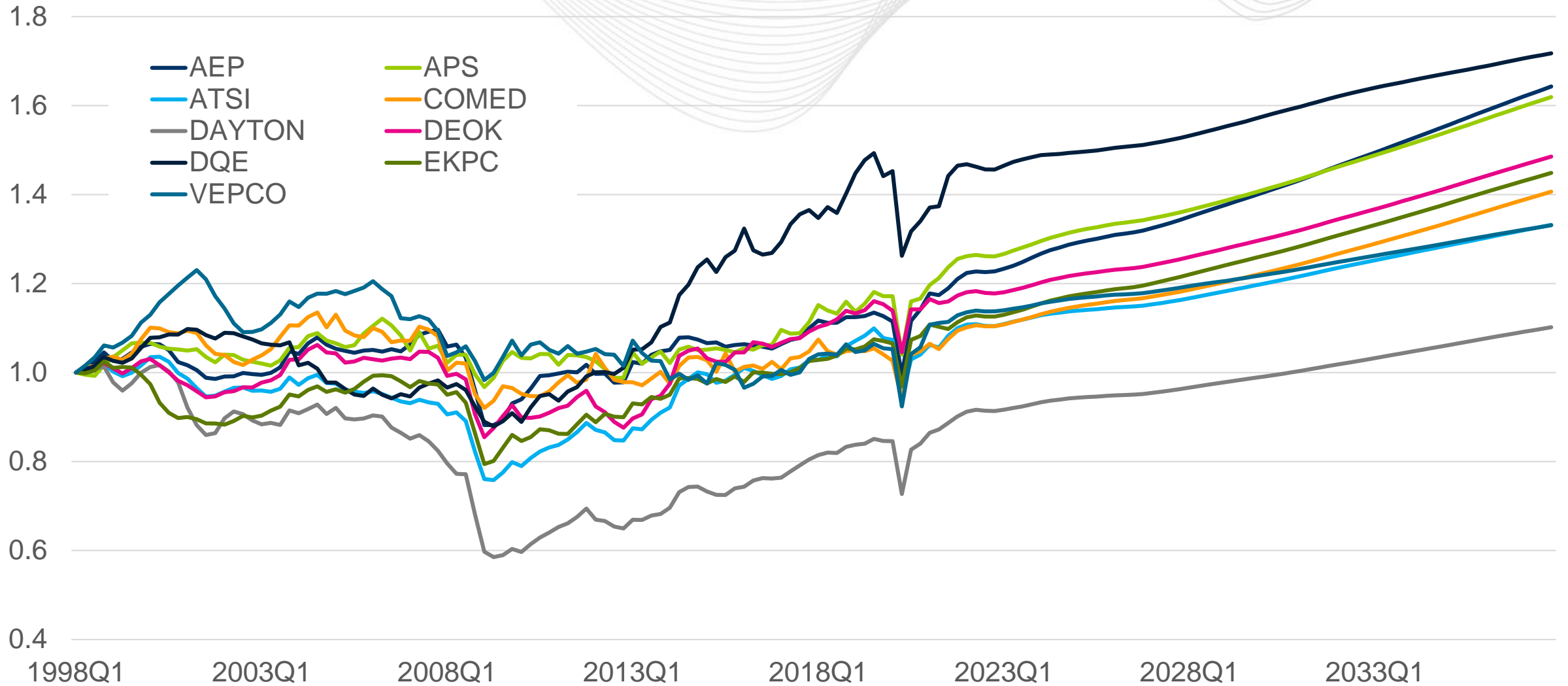
# Mid-Atlantic Zones – Goods Output (1998Q1 = 1.0)



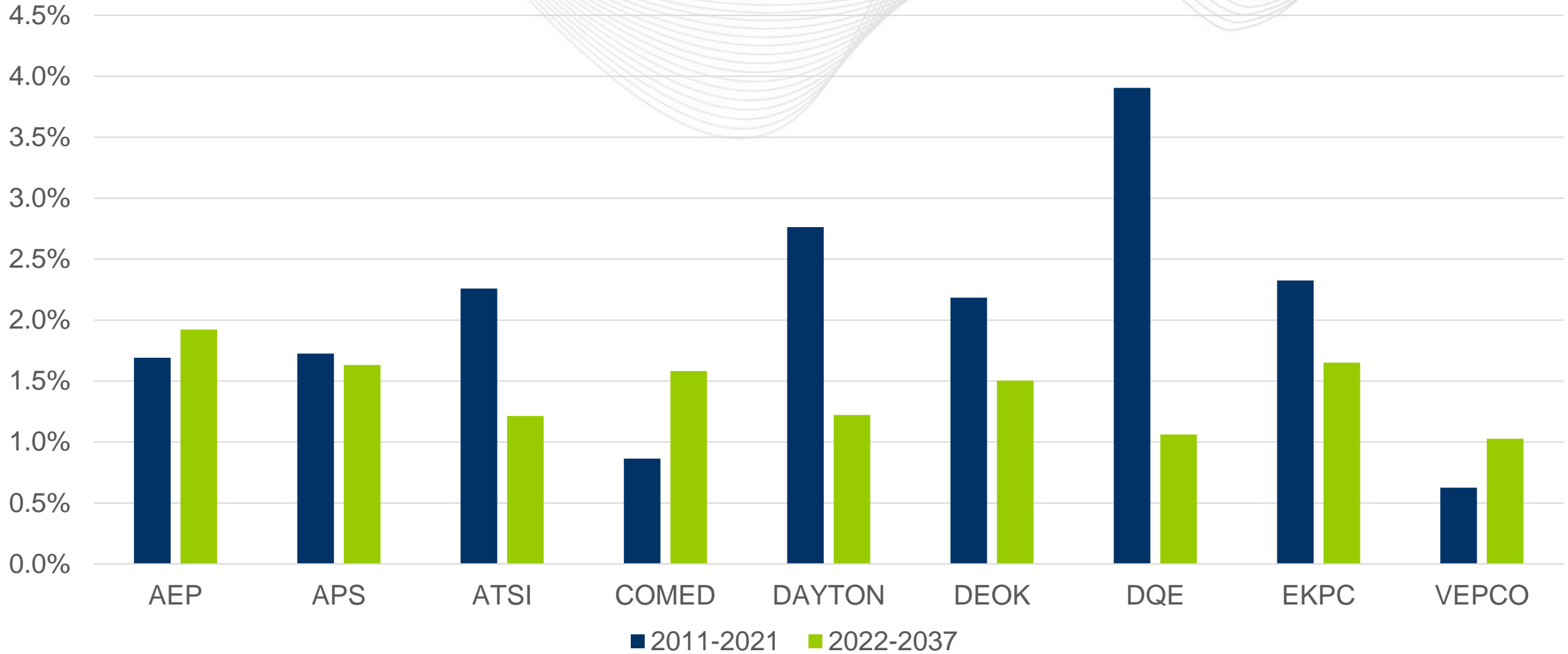
# Mid-Atlantic Zones – Goods Output (Growth)



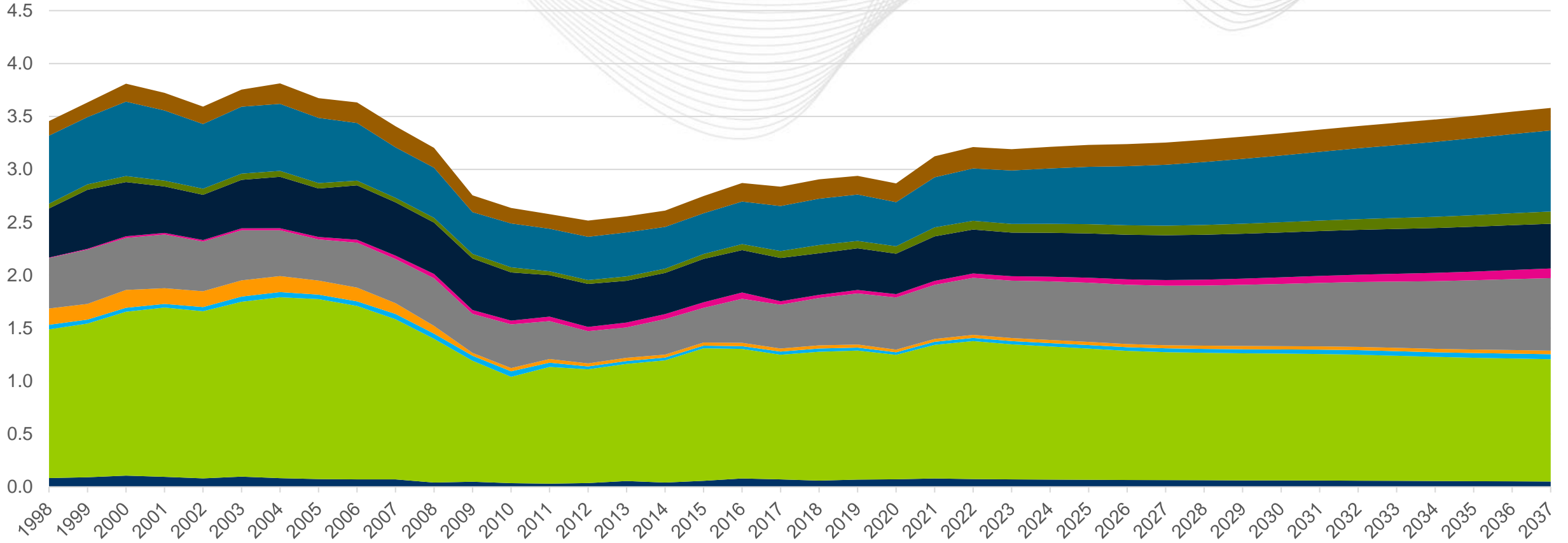
# West Zones & Dominion – Goods Output (1998Q1=1.0)



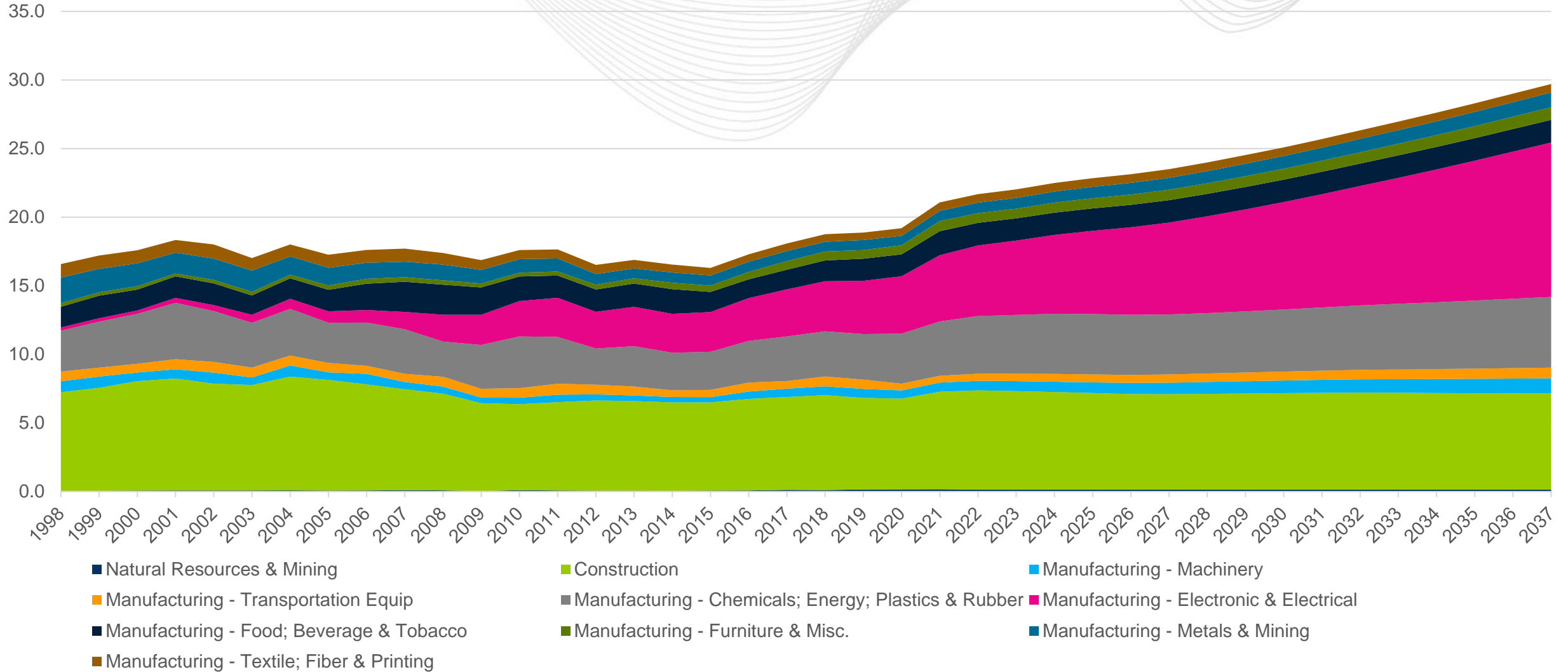
# West Zones & Dominion– Goods Output (Growth)

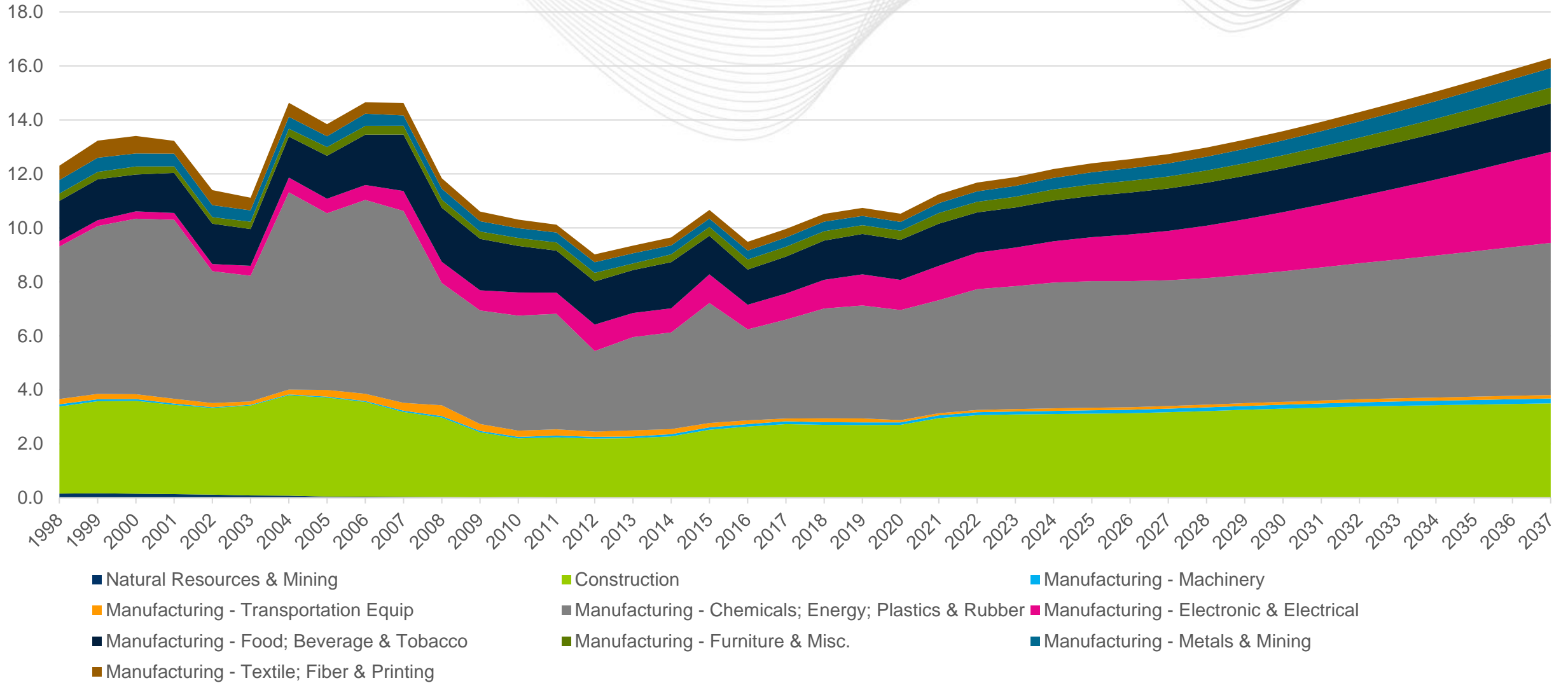


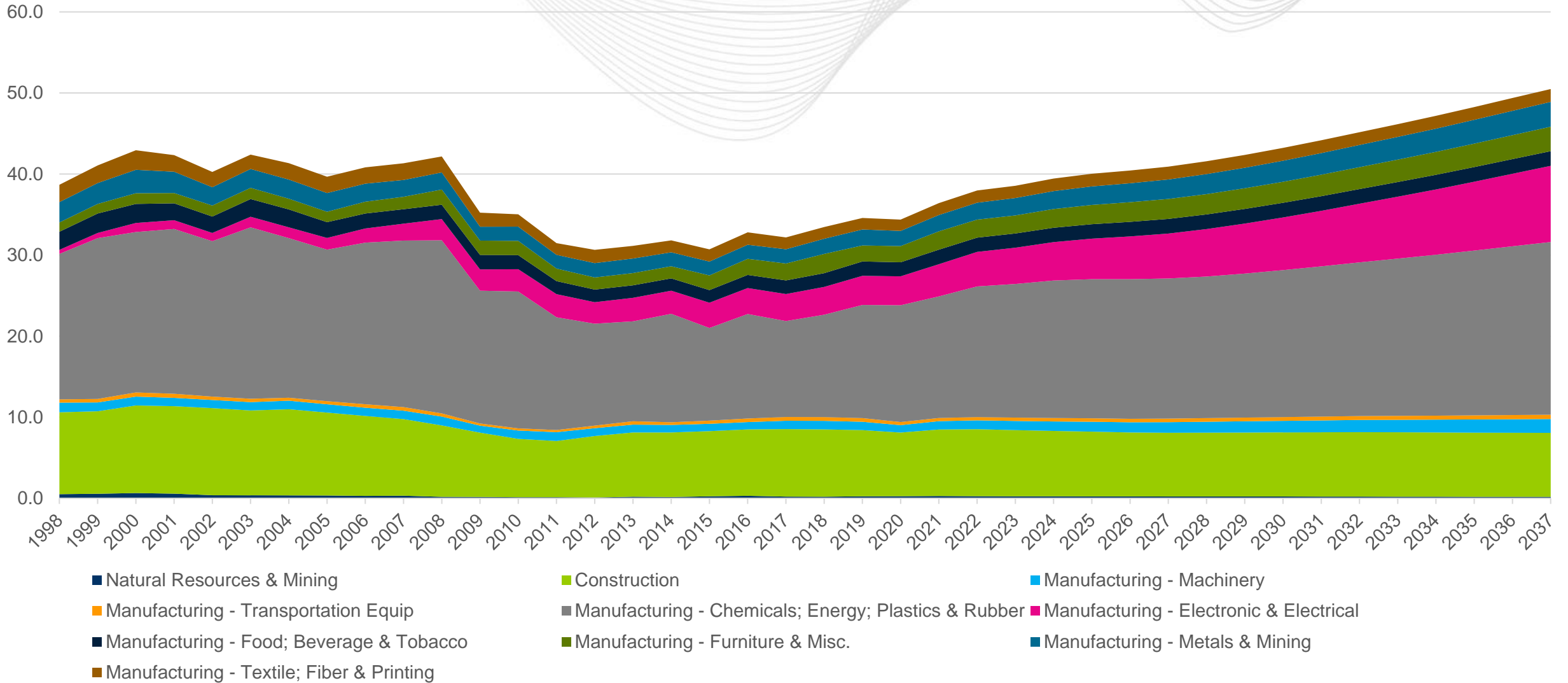


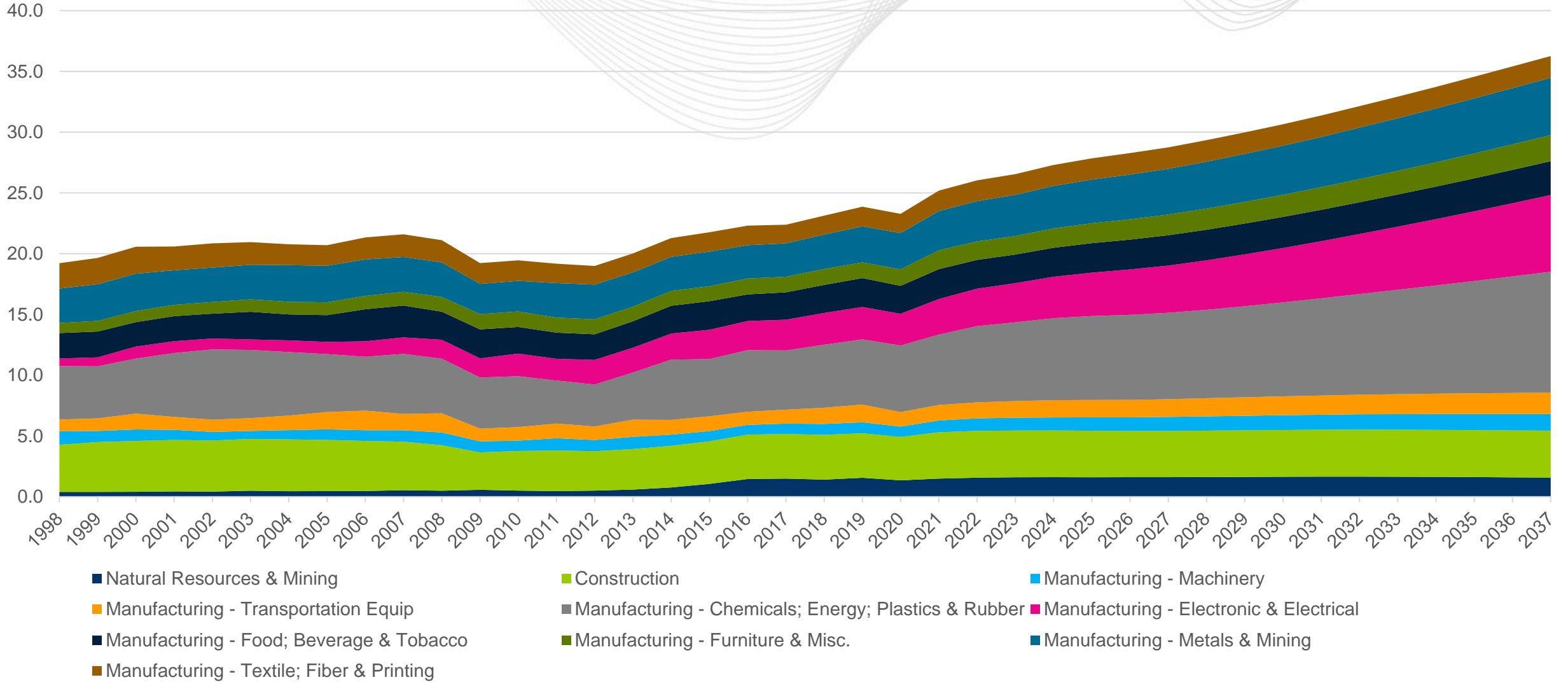


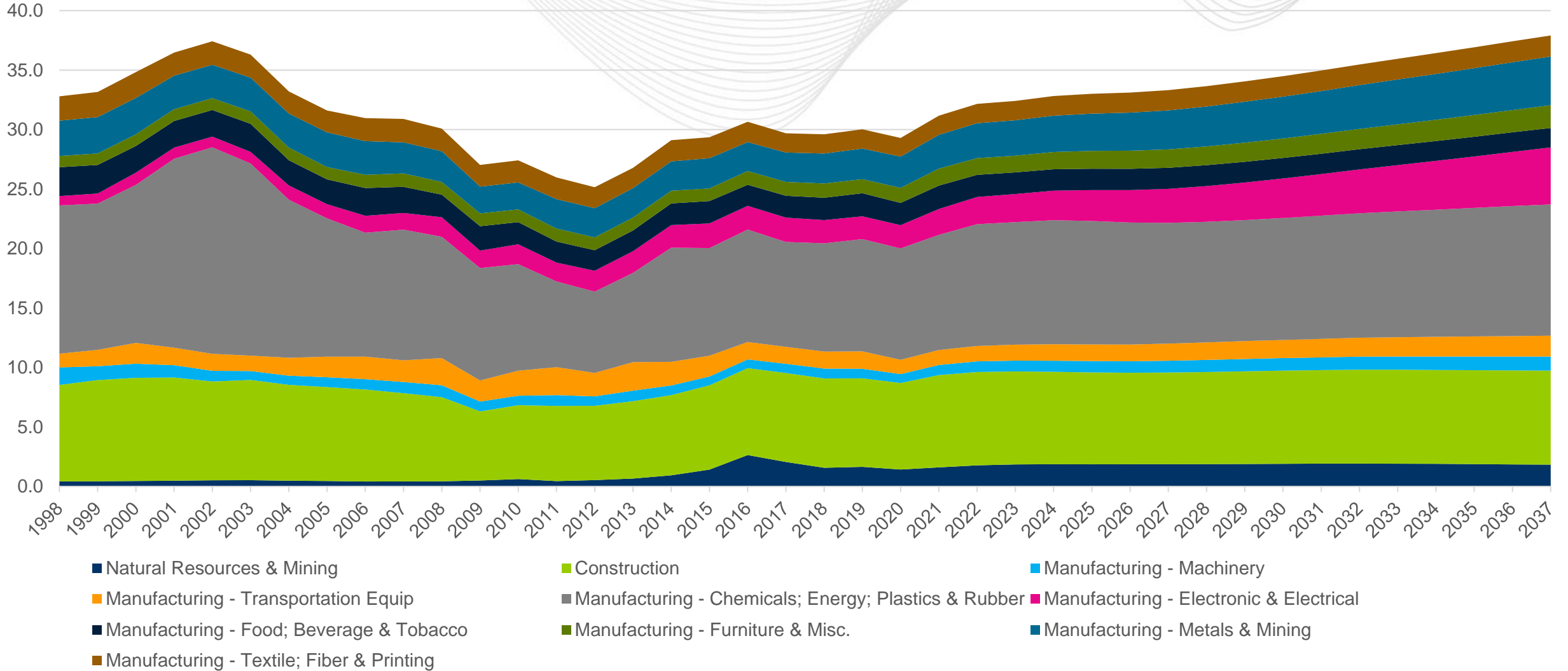
- Natural Resources & Mining
- Construction
- Manufacturing - Machinery
- Manufacturing - Transportation Equip
- Manufacturing - Chemicals; Energy; Plastics & Rubber
- Manufacturing - Electronic & Electrical
- Manufacturing - Food; Beverage & Tobacco
- Manufacturing - Furniture & Misc.
- Manufacturing - Metals & Mining
- Manufacturing - Textile; Fiber & Printing

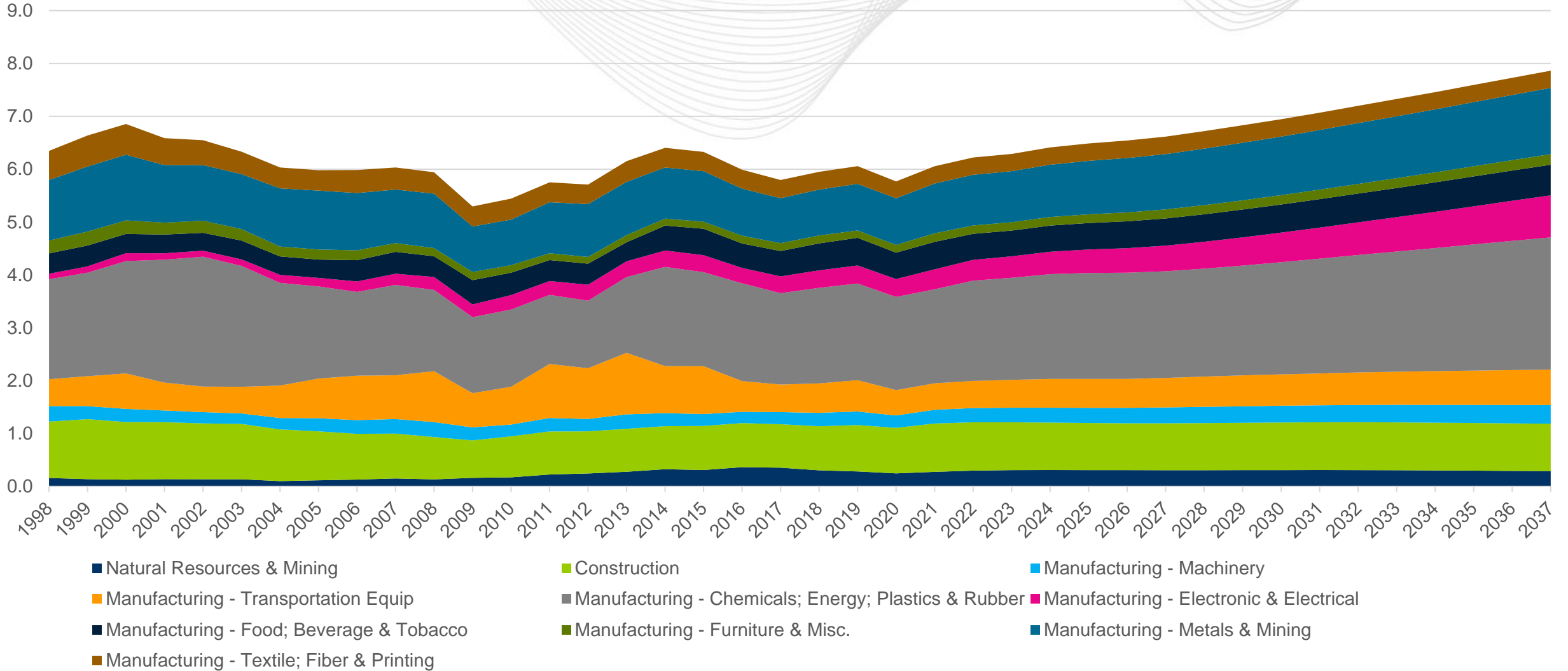


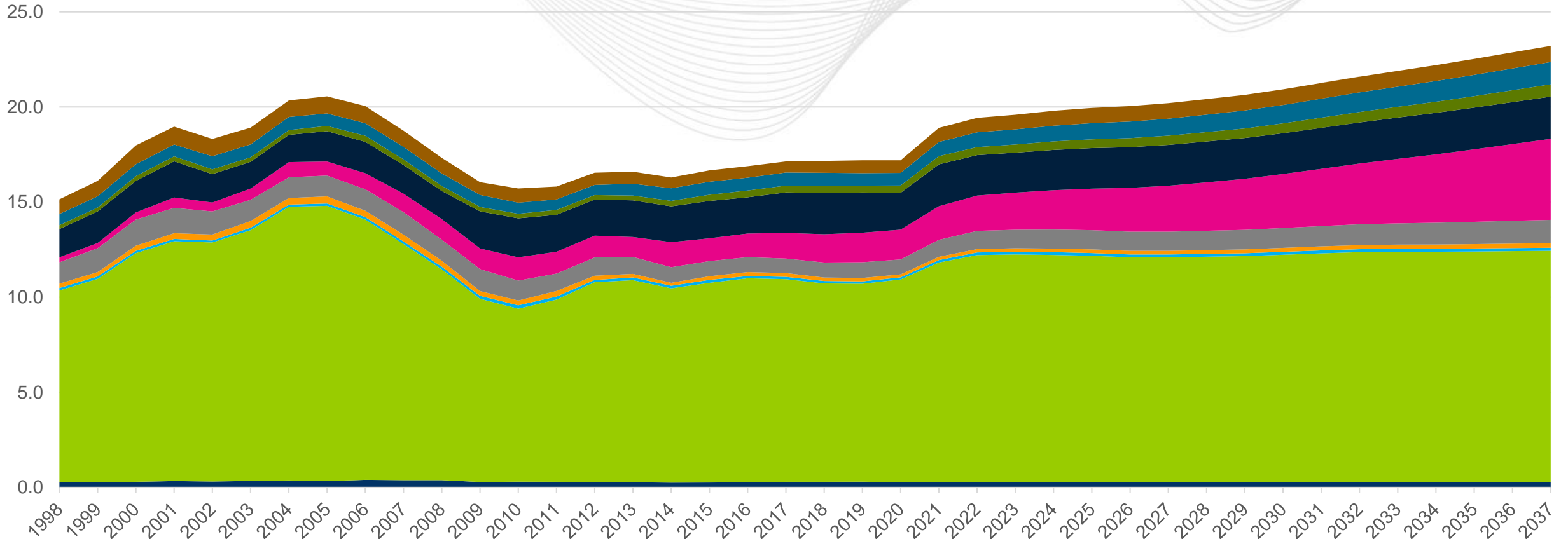






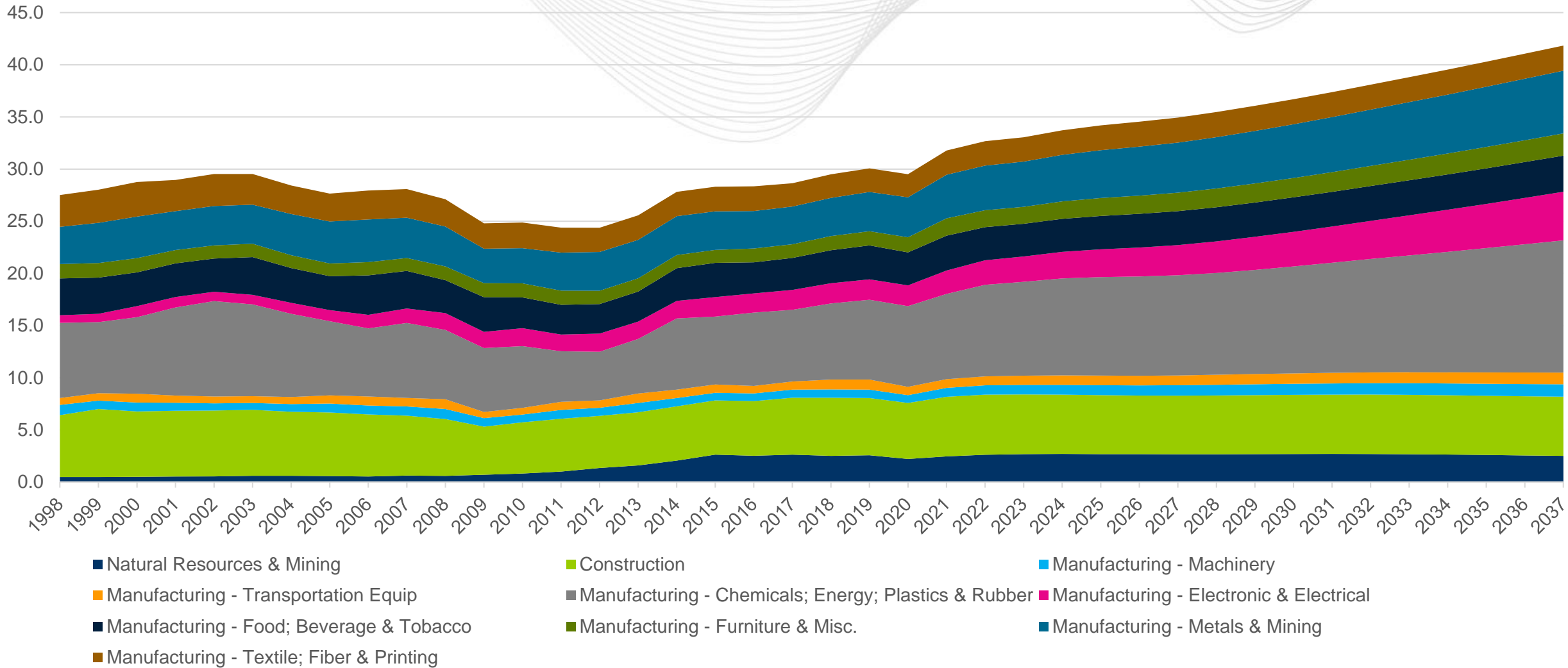


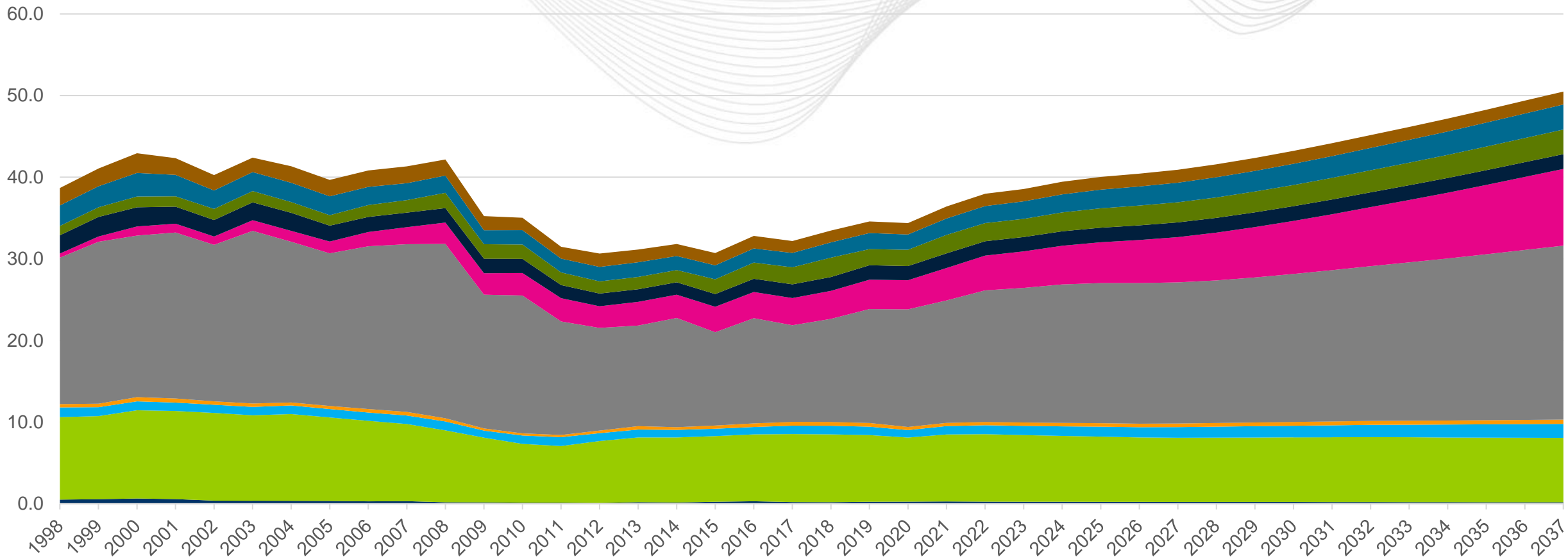




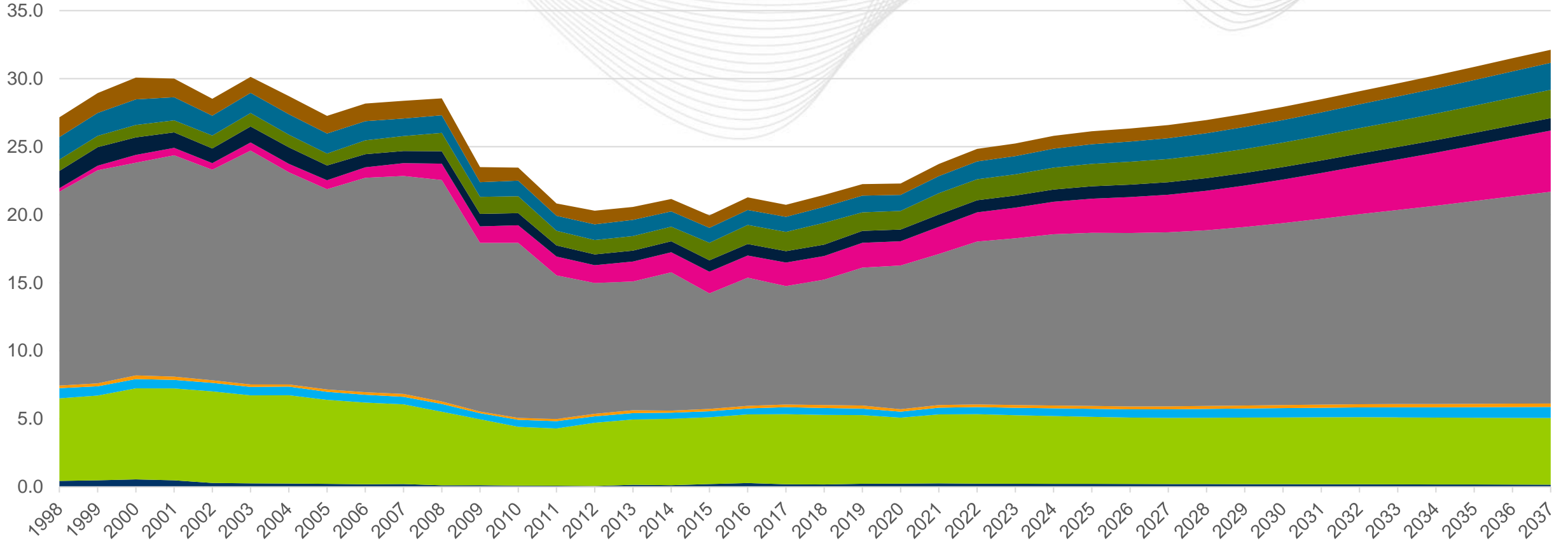
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- Manufacturing - Metals & Mining



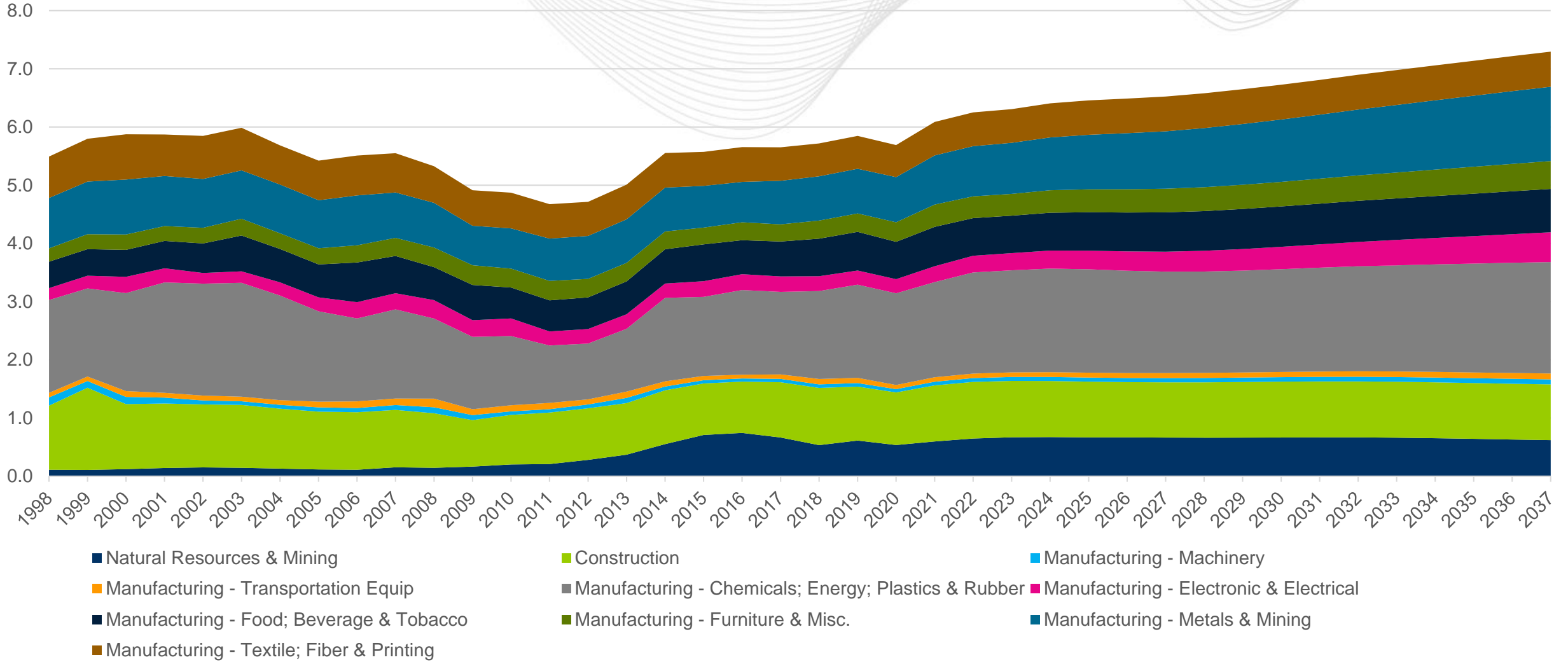


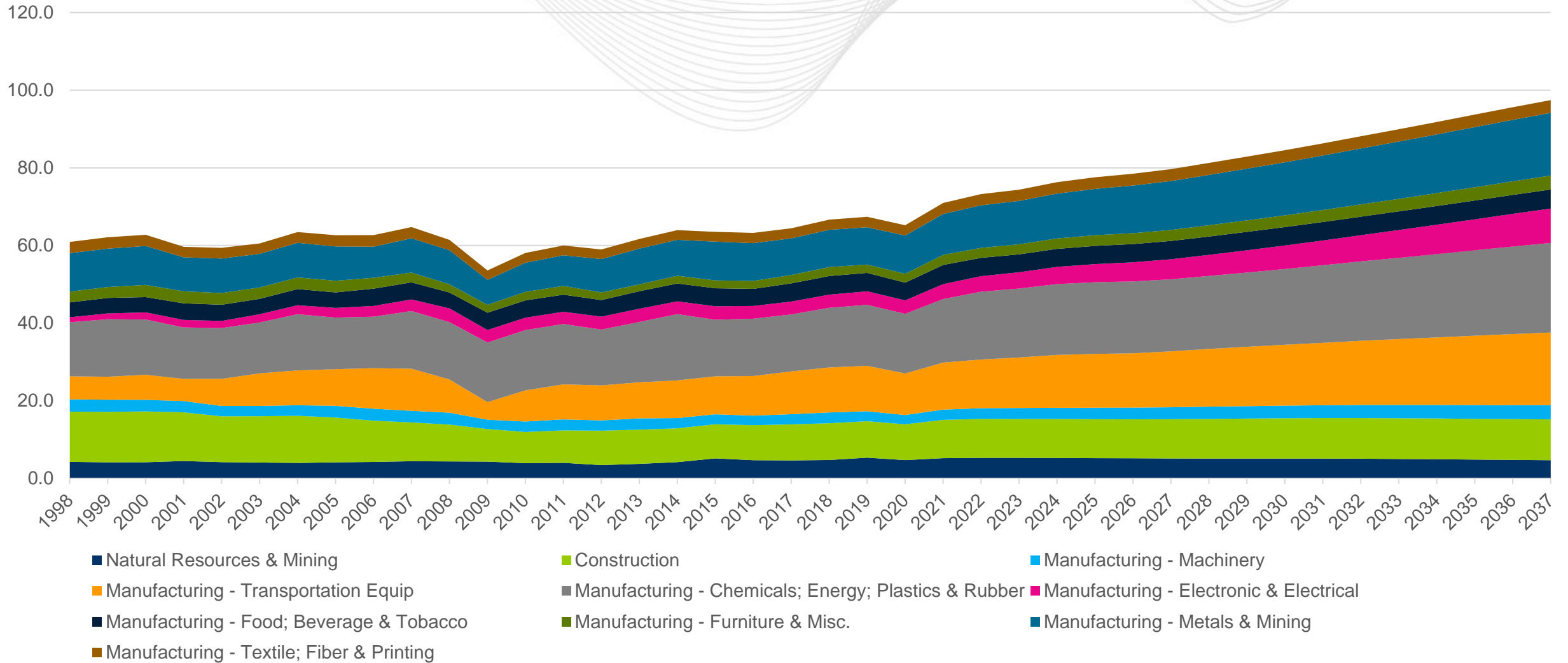


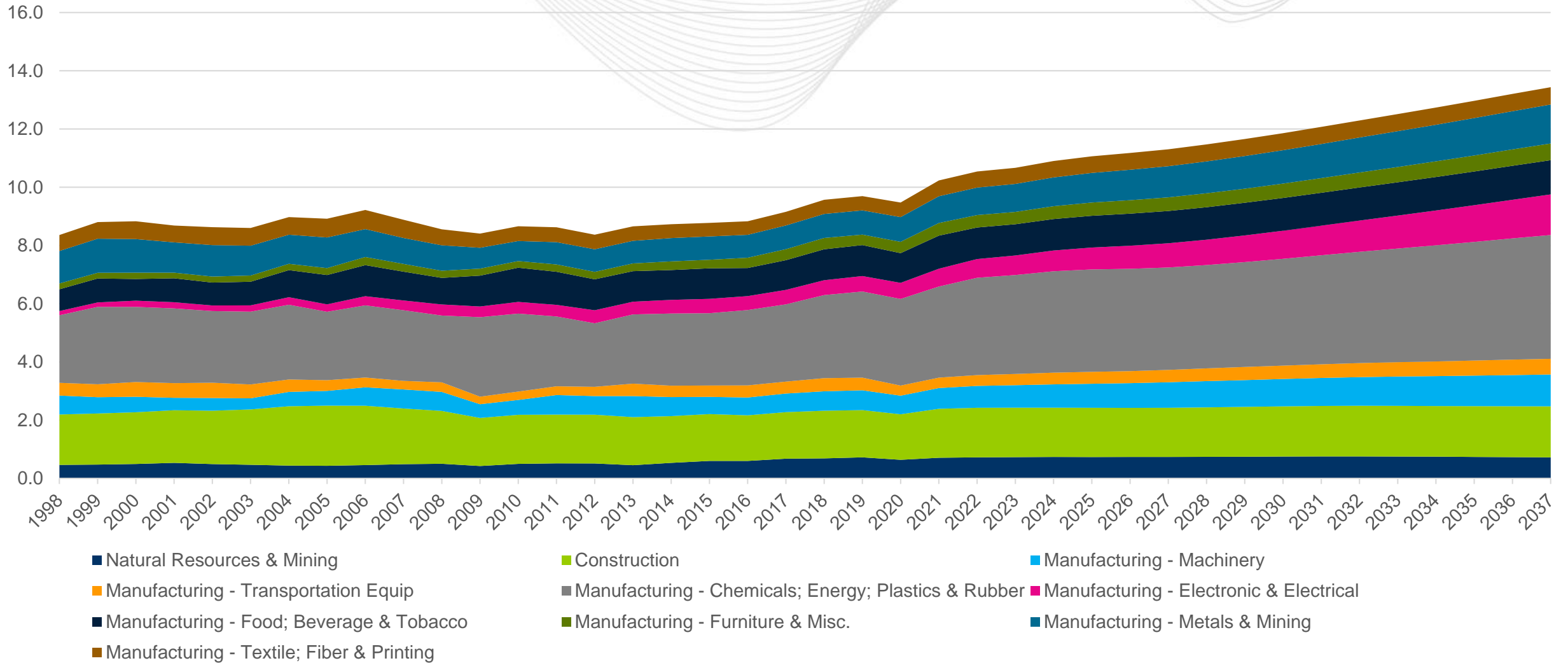
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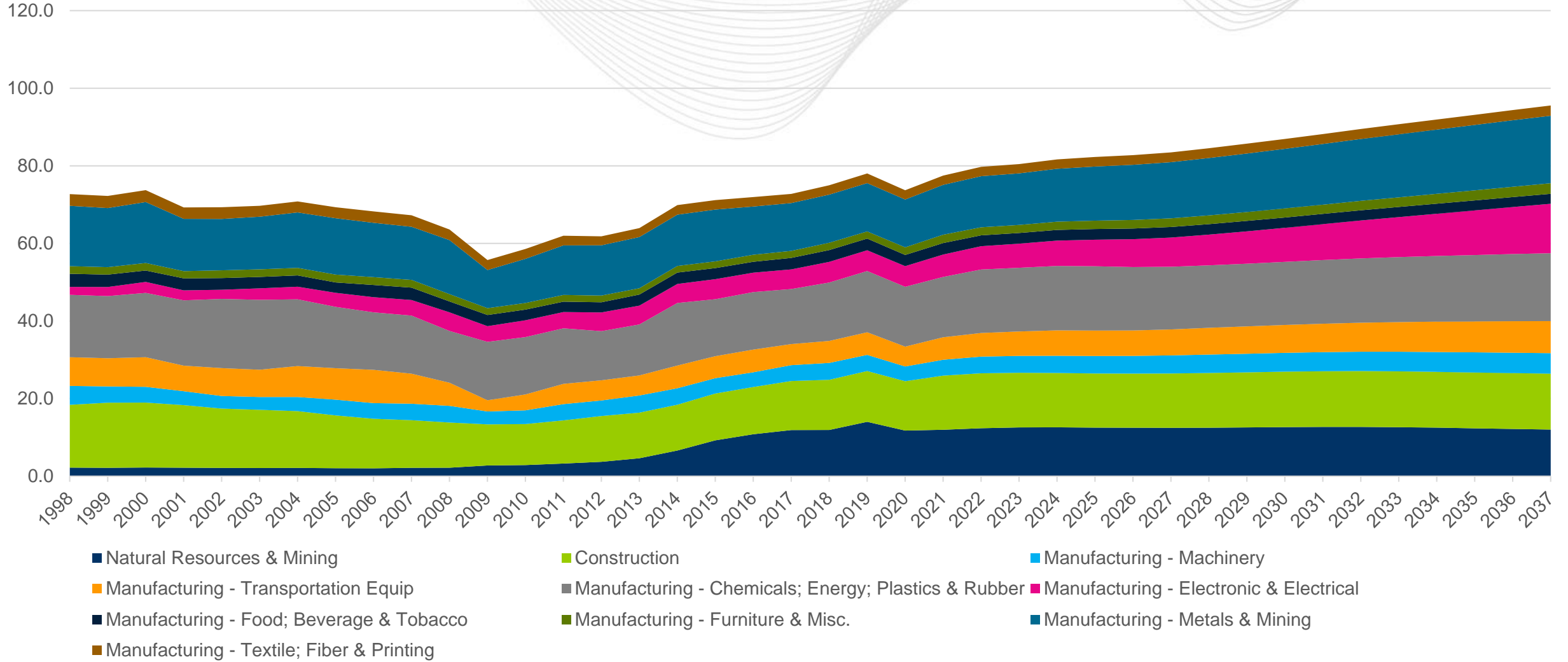


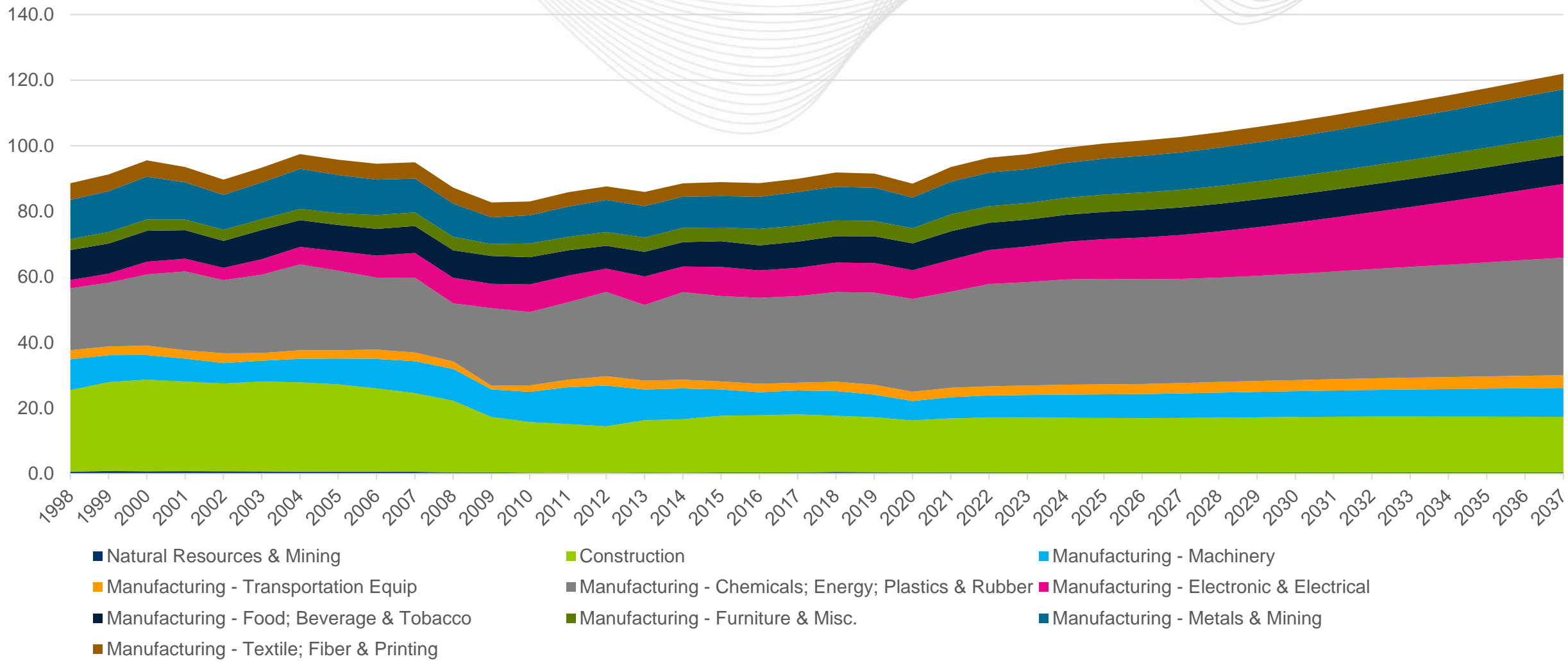
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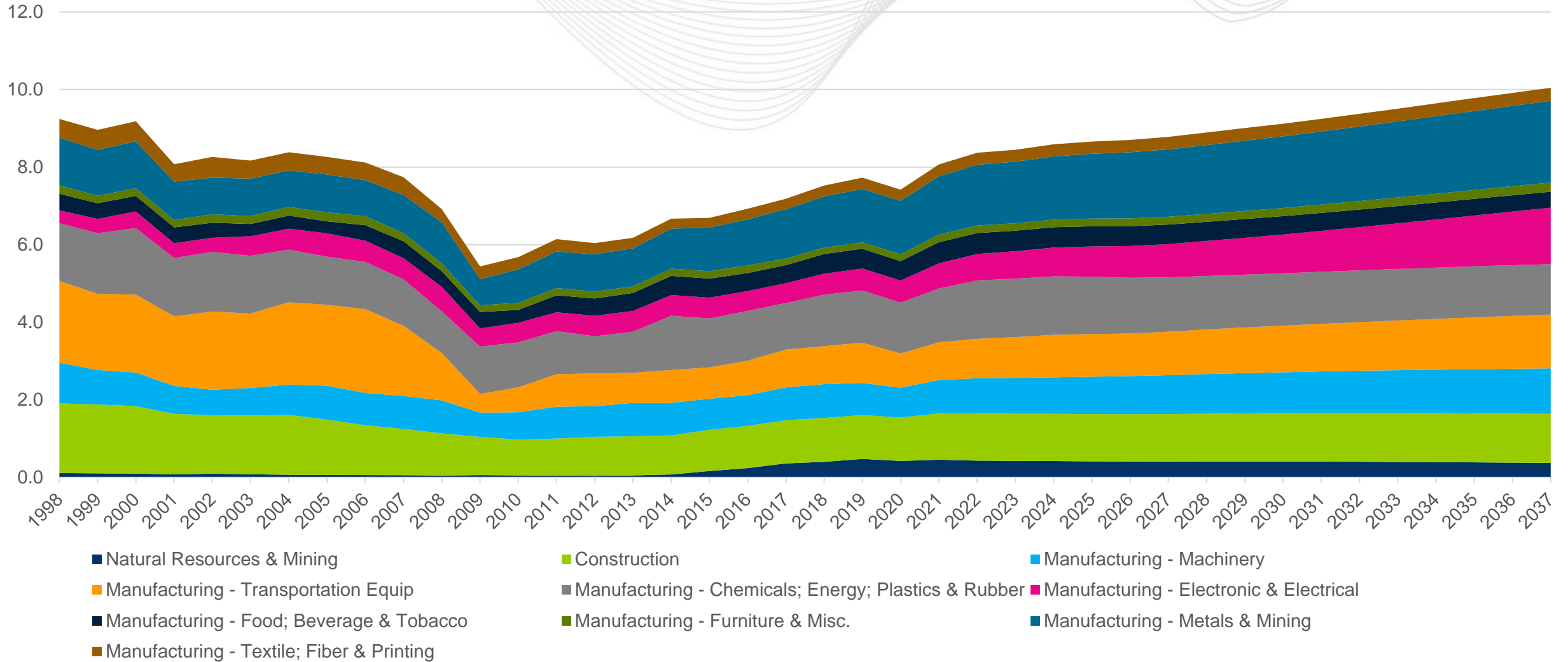


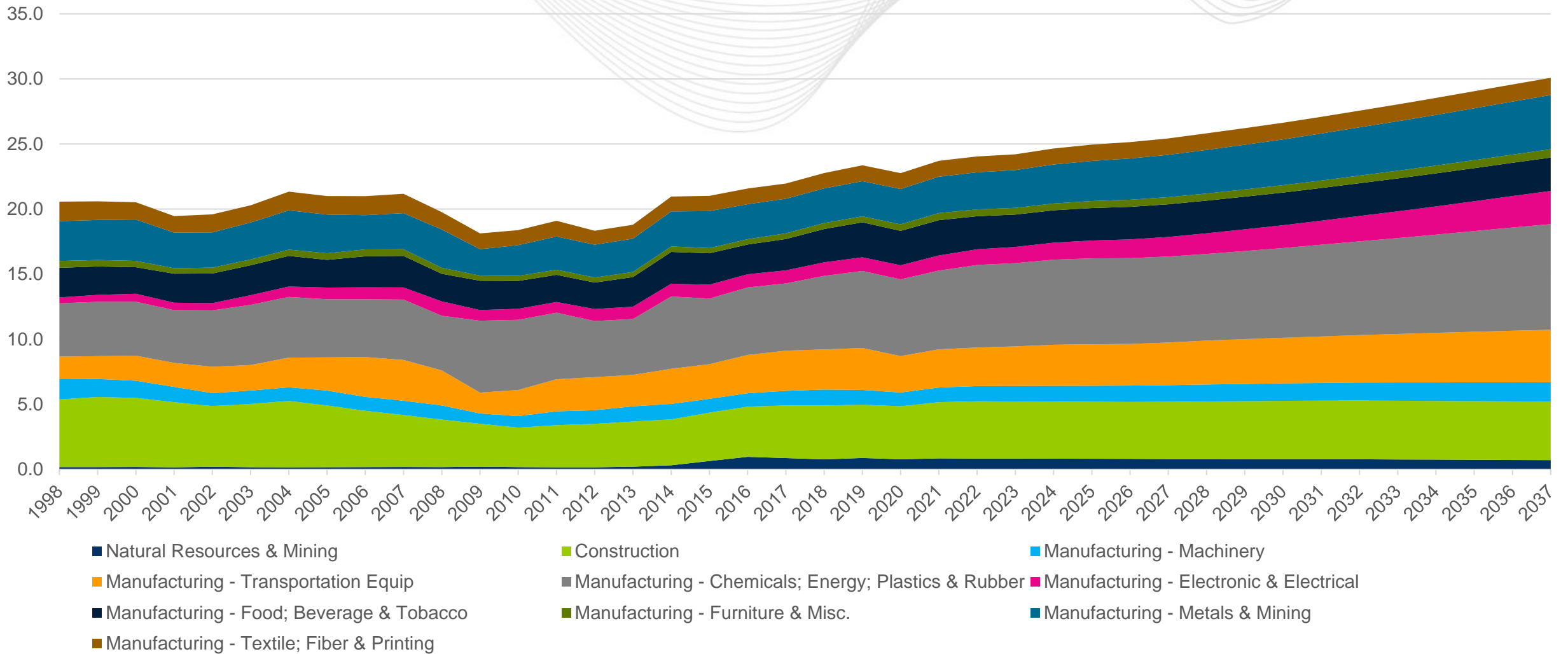


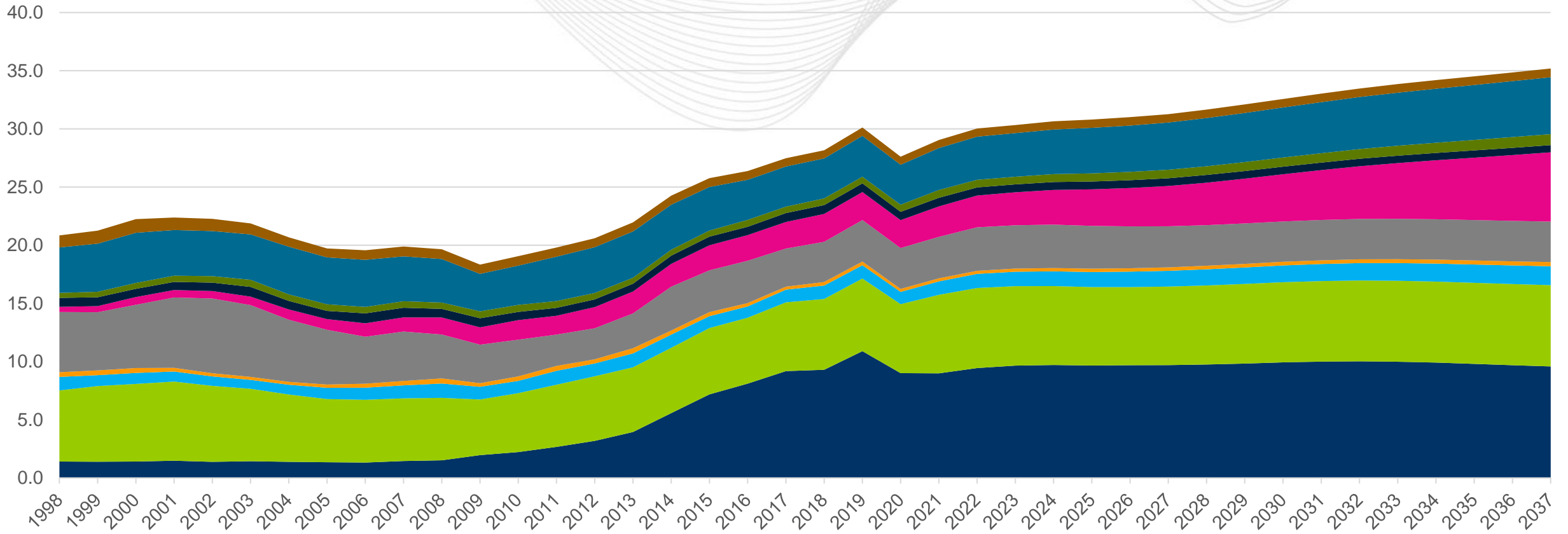












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