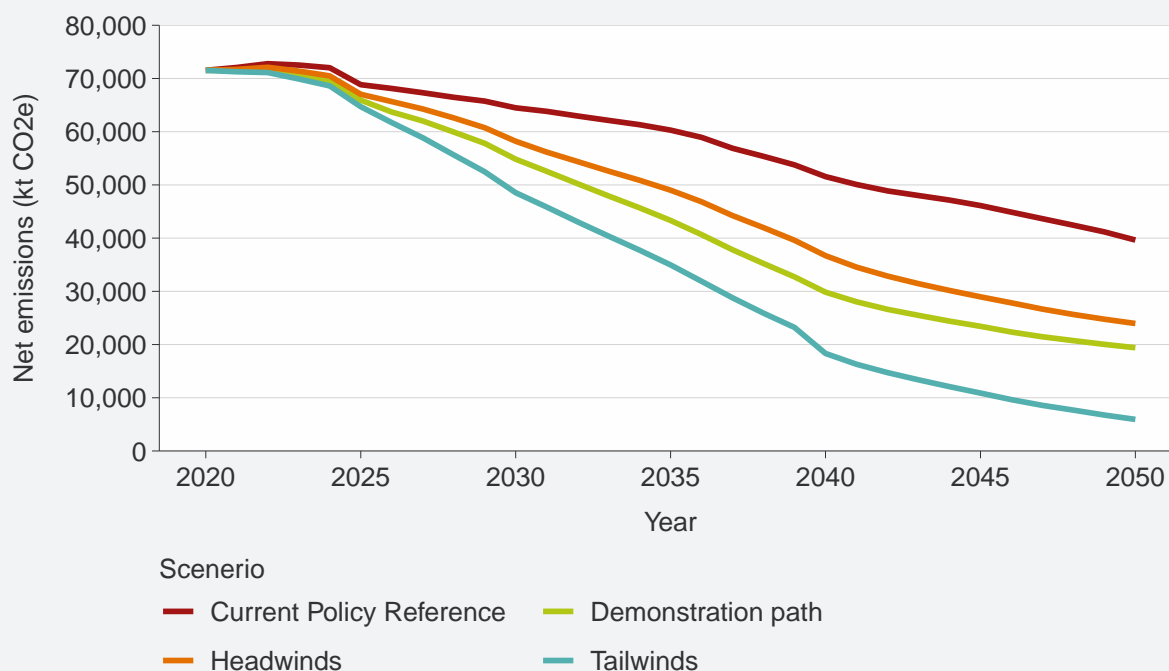


MfE Job Interview Task (David Hodge)

1.

Climate Commission modelled net emissions under different scenarios, 2020–2050



2.

Biogenic methane emissions are reduced by 1654.5 ktCO₂e over the 1st emissions budget period (i.e. 2022-2025) compared to the Current Policy Reference scenario.

3.

Current Policy Scenario with project reductions and subsequent emissions in the 1st emissions budget period (2022-2025):

```
## # A tibble: 1 x 4
##   reductions_ar4 emissions_ar4 reductions_ar5 emissions_ar5
##         <dbl>         <dbl>         <dbl>         <dbl>
## 1      -45.4       11721.        -50.8       13128.
```

Demonstration emissions in the 1st emissions budget period for comparison (2022-2025):

```
## # A tibble: 1 x 2
##   emissions_ar4 emissions_ar5
##         <dbl>         <dbl>
## 1      11329.       12689.
```

The Demonstration pathway has lower waste methane emissions than the Current Policy Scenario with project for the first budget period - both using GWPs from IPCC AR4 as well as AR5.