

K:\Projects_1\DW\00726_11_BDCP\mapdoc\Public_Draft\Ch22\FIG 22_01_Air Basins 20130910.mxd Date: 9/10/2013 Time: 5:08:13 PM 19524

Sources: Plan Area, DWR 2010; Streets, ESRI 2010; Aerial Photograph, NAIP 2010; Hydrology, HDR 2010; Air Basins, CARB 2004

**Figure 22-1
Air Basins in the Plan Area**

Natural Greenhouse Effect

The greenhouse effect is a natural warming process. Carbon Dioxide (CO₂) and certain other gases are always present in the atmosphere. These gases create a warming effect that has some similarity to the warming inside a greenhouse, hence the name "greenhouse effect".

Enhanced Greenhouse Effect

Increasing the amount of greenhouse gases intensifies the greenhouse effect. This side of the globe simulates conditions today, roughly two centuries after the Industrial Revolution began.

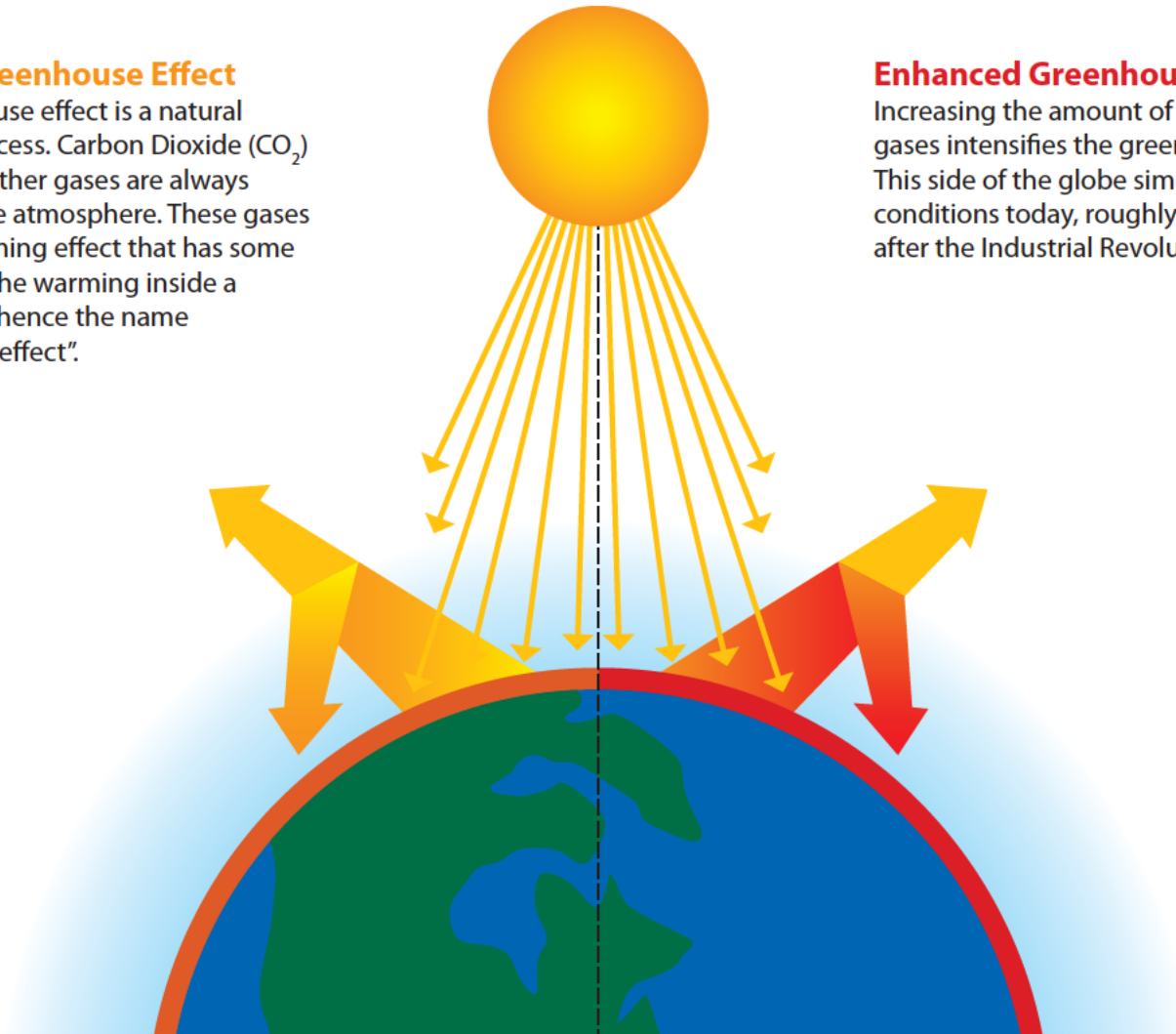


Figure 22-2
The Greenhouse Gas Effect

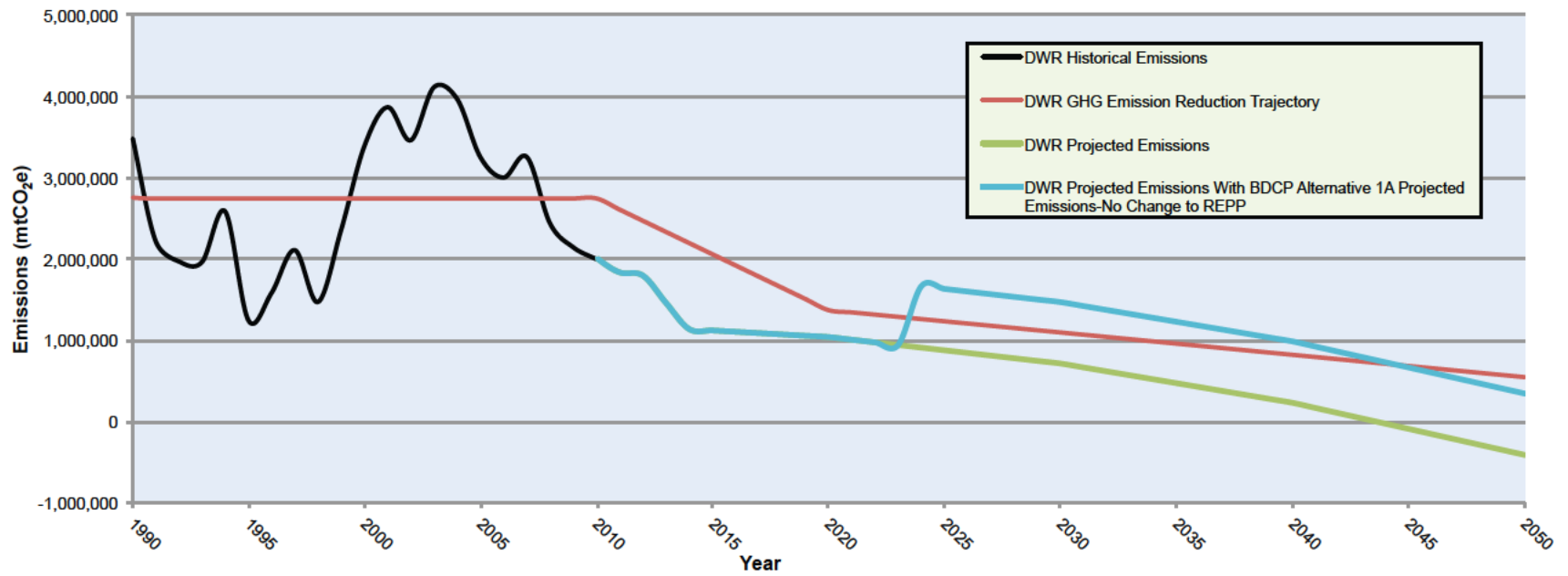


Figure 22-3
DWR Total Emissions with Alternative 1A, 1990–2050

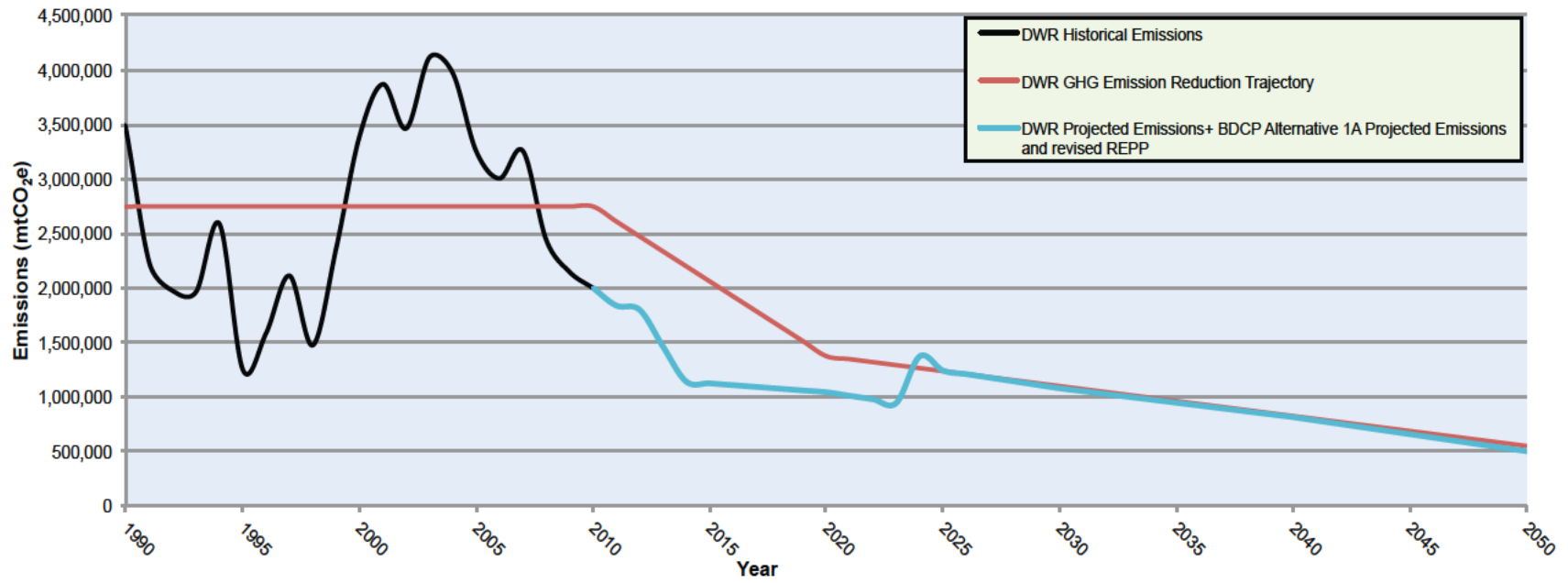


Figure 22-4
DWR Total Emissions with Alternative 1A and REPP, 1990–2050

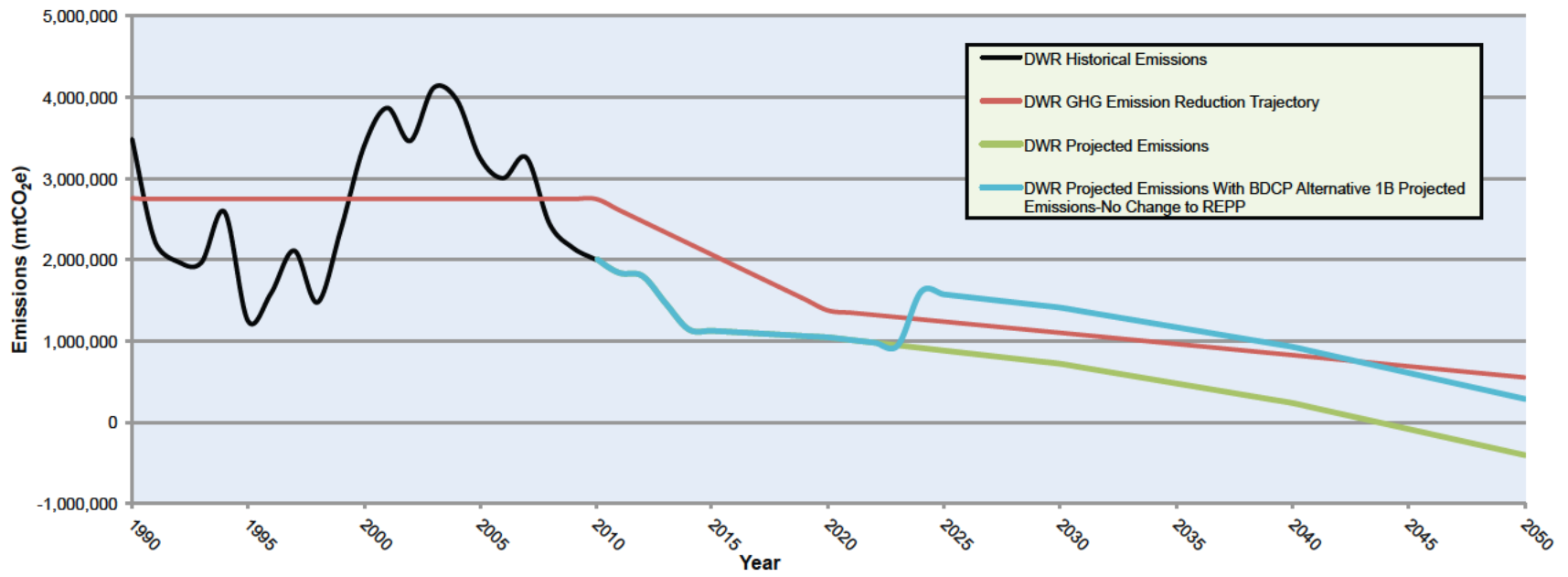


Figure 22-5
DWR Total Emissions with Alternative 1B, 1990–2050

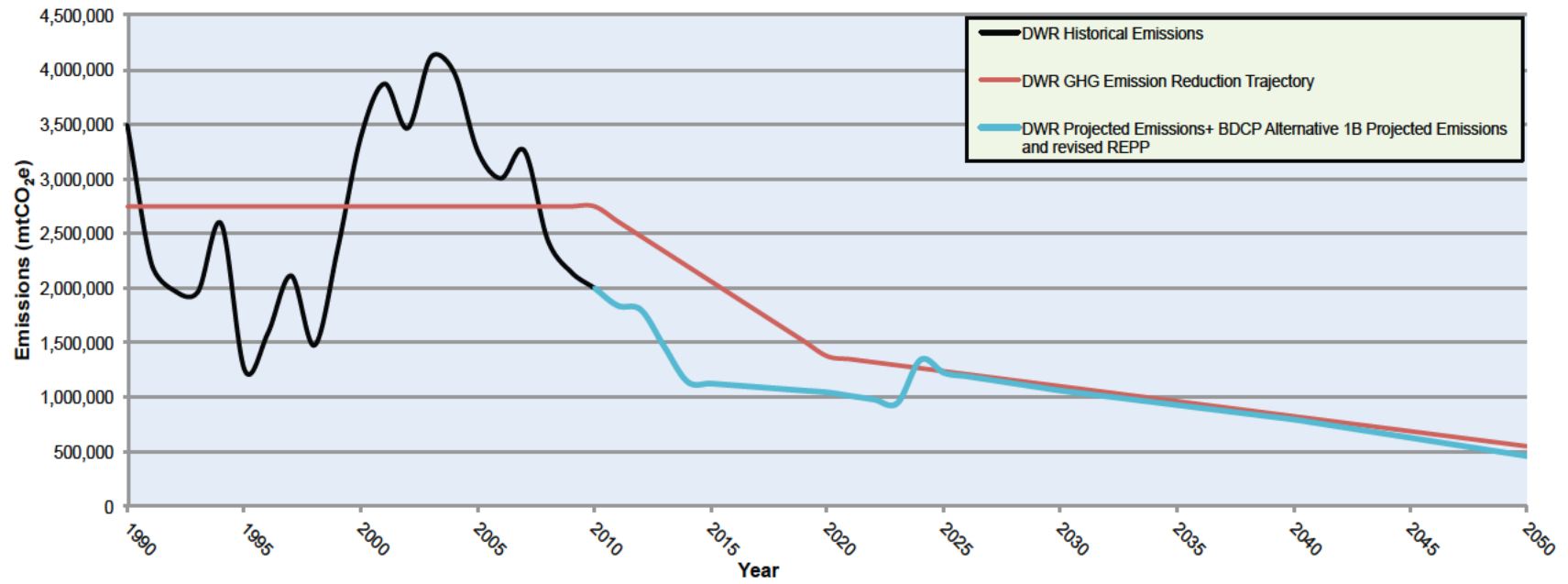


Figure 22-6
DWR Total Emissions with Alternative 1B and REPP, 1990–2050

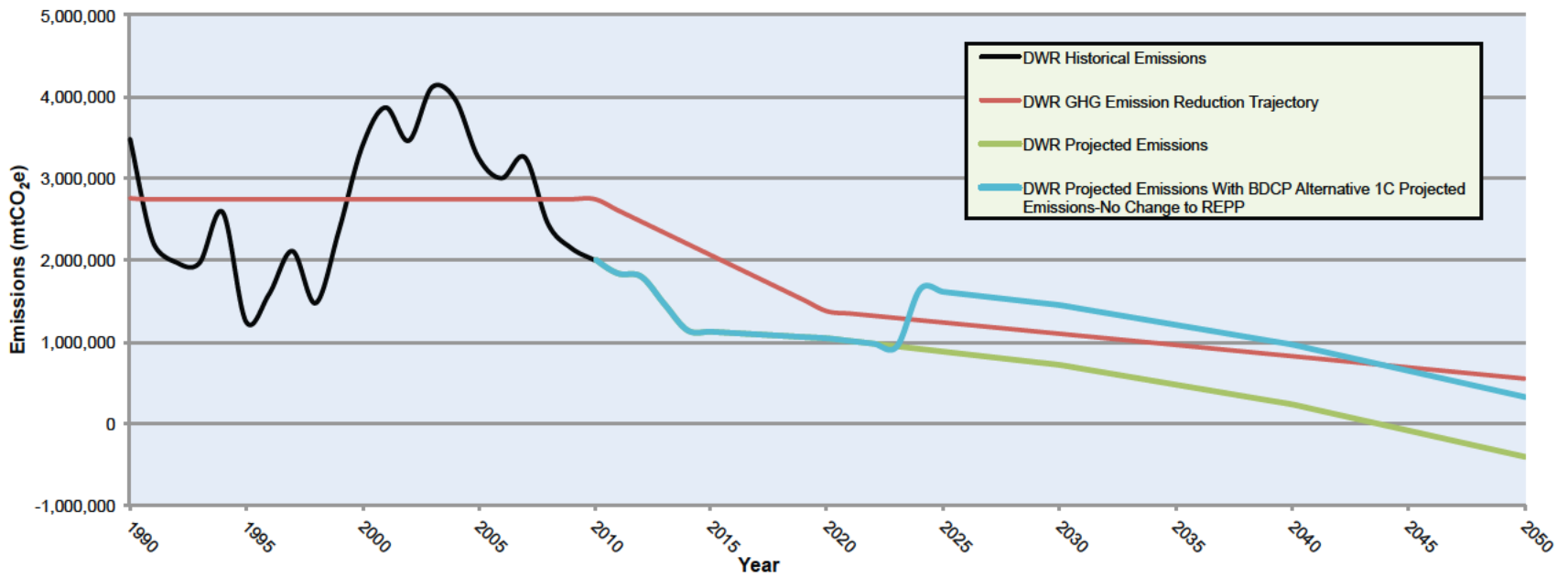


Figure 22-7
DWR Total Emissions with Alternative 1C, 1990–2050

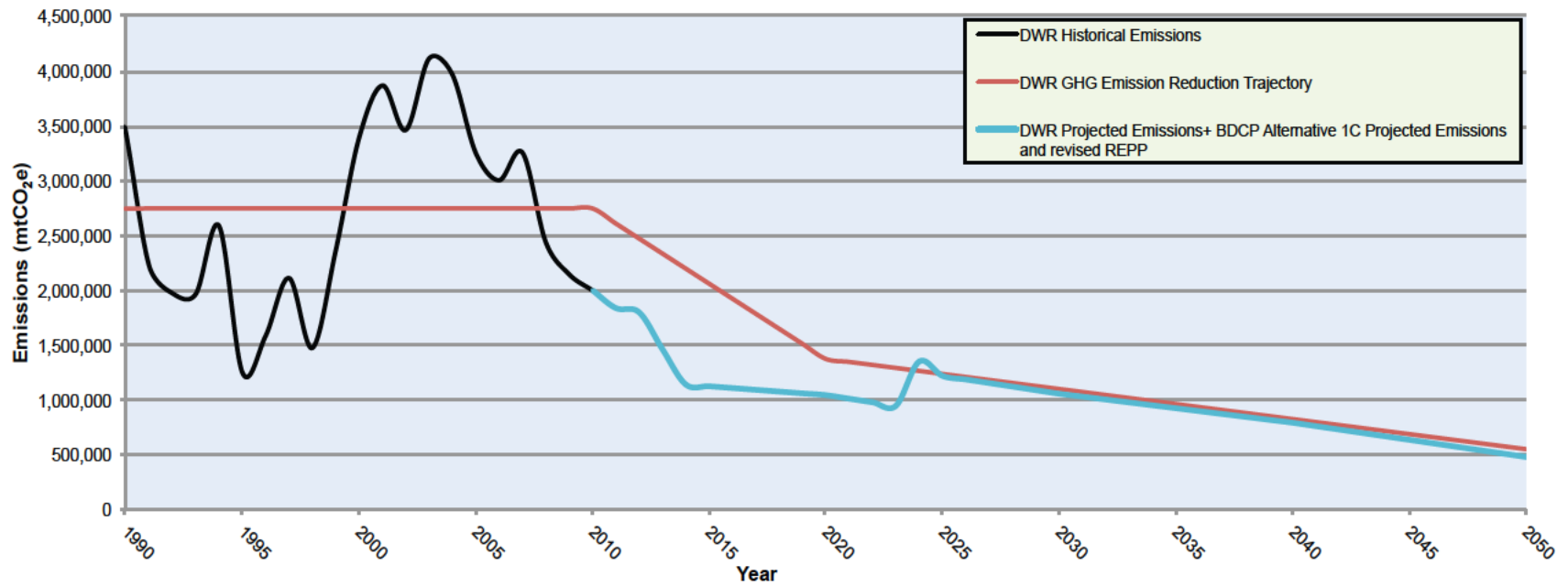


Figure 22-8
DWR Total Emissions with Alternative 1C and REPP, 1990–2050

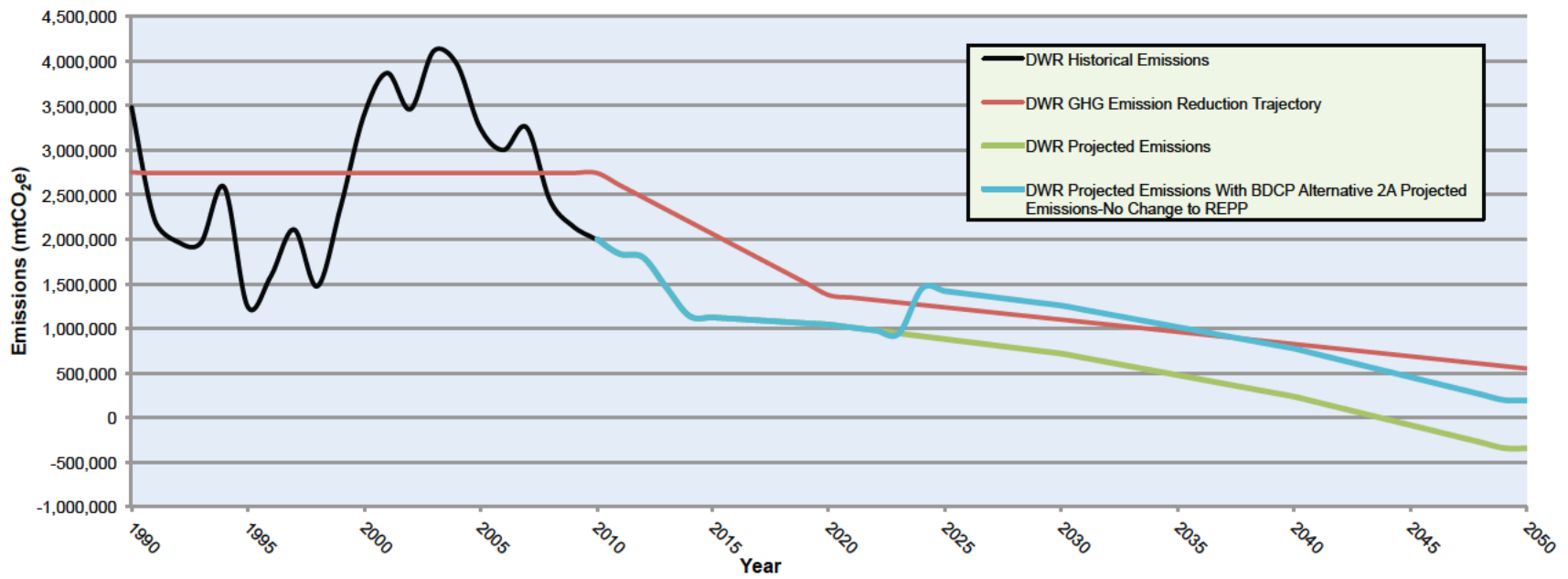


Figure 22-9
DWR Total Emissions with Alternative 2A, 1990–2050

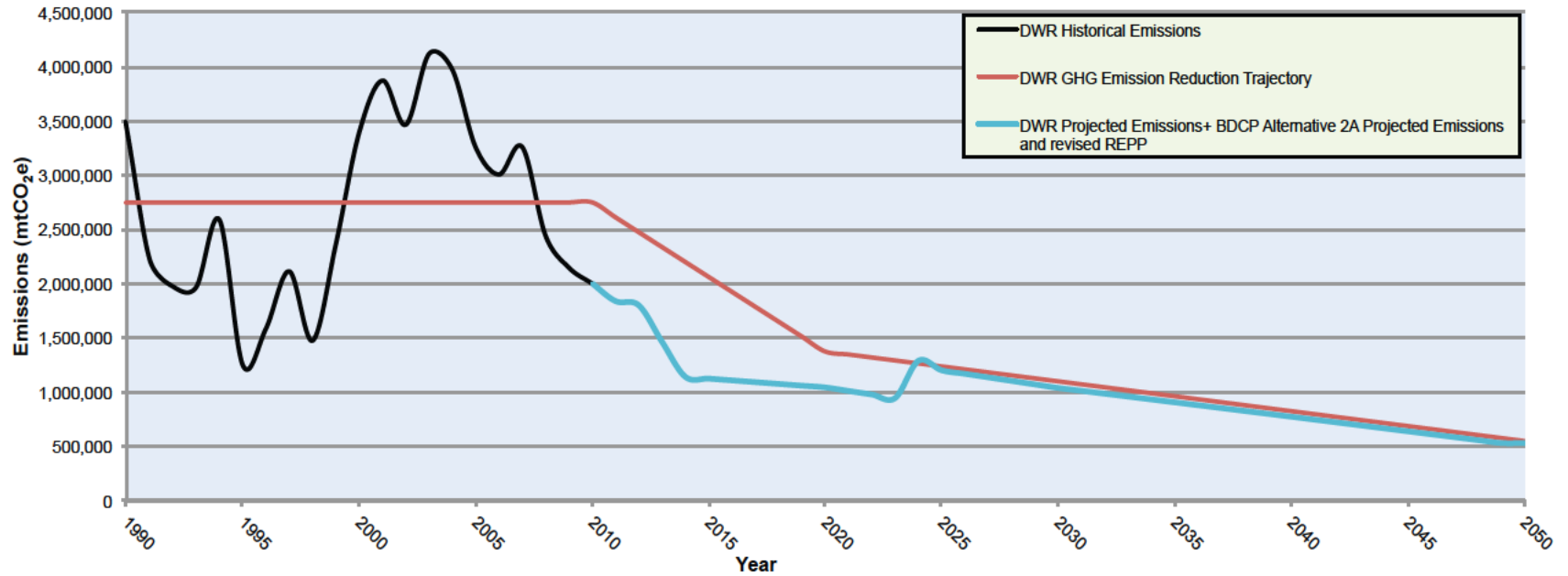


Figure 22-10
DWR Total Emissions with Alternative 2A and REPP, 1990–2050

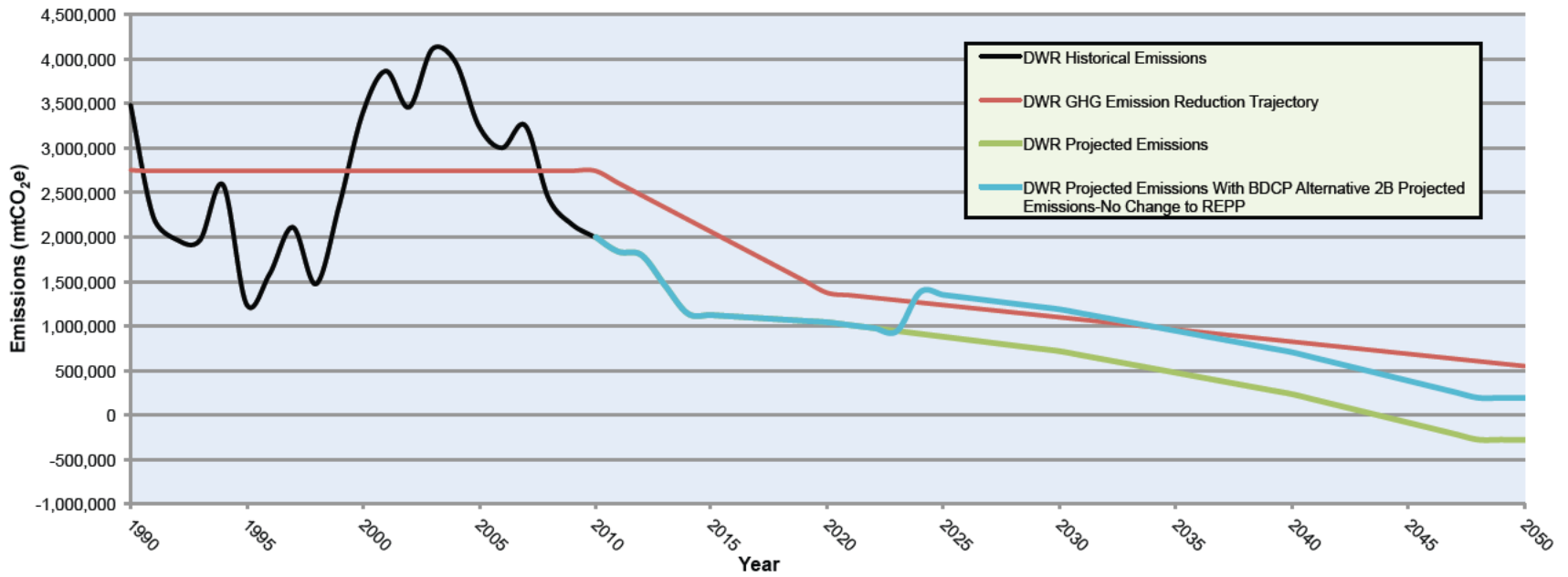


Figure 22-11
DWR Total Emissions with Alternative 2B, 1990–2050

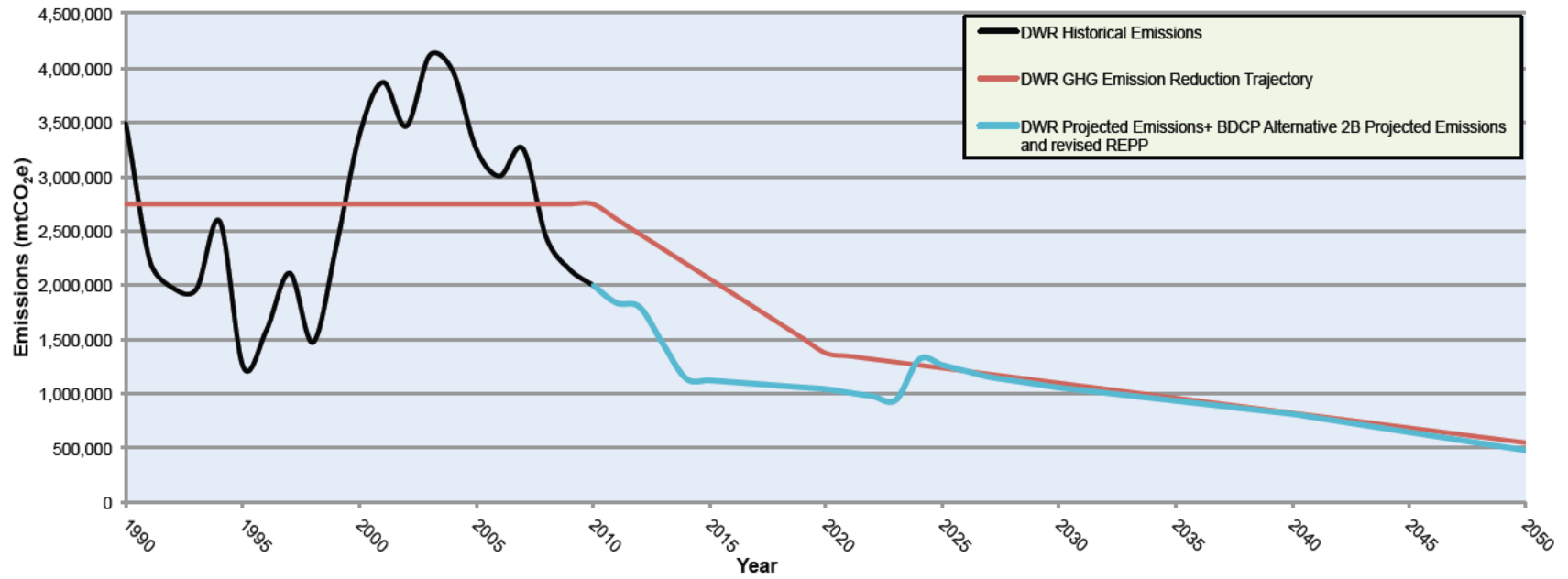


Figure 22-12
DWR Total Emissions with Alternative 2B and REPP, 1990–2050

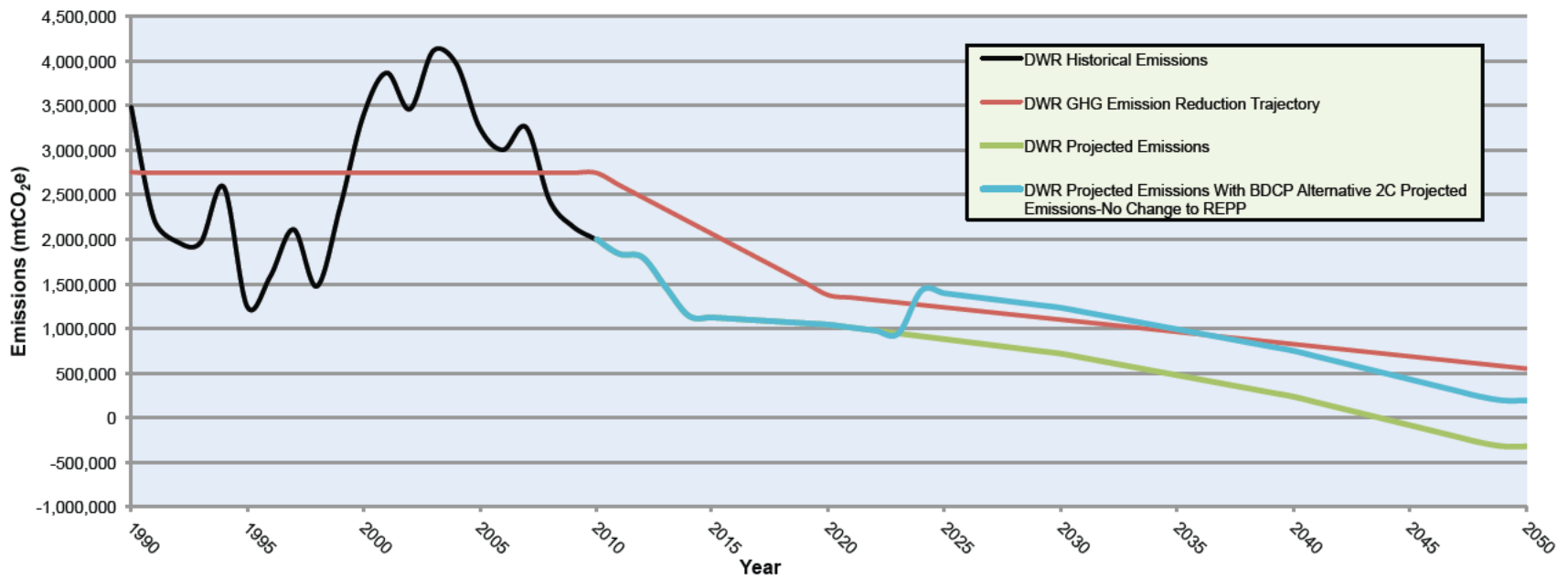


Figure 22-13
DWR Total Emissions with Alternative 2C, 1990–2050

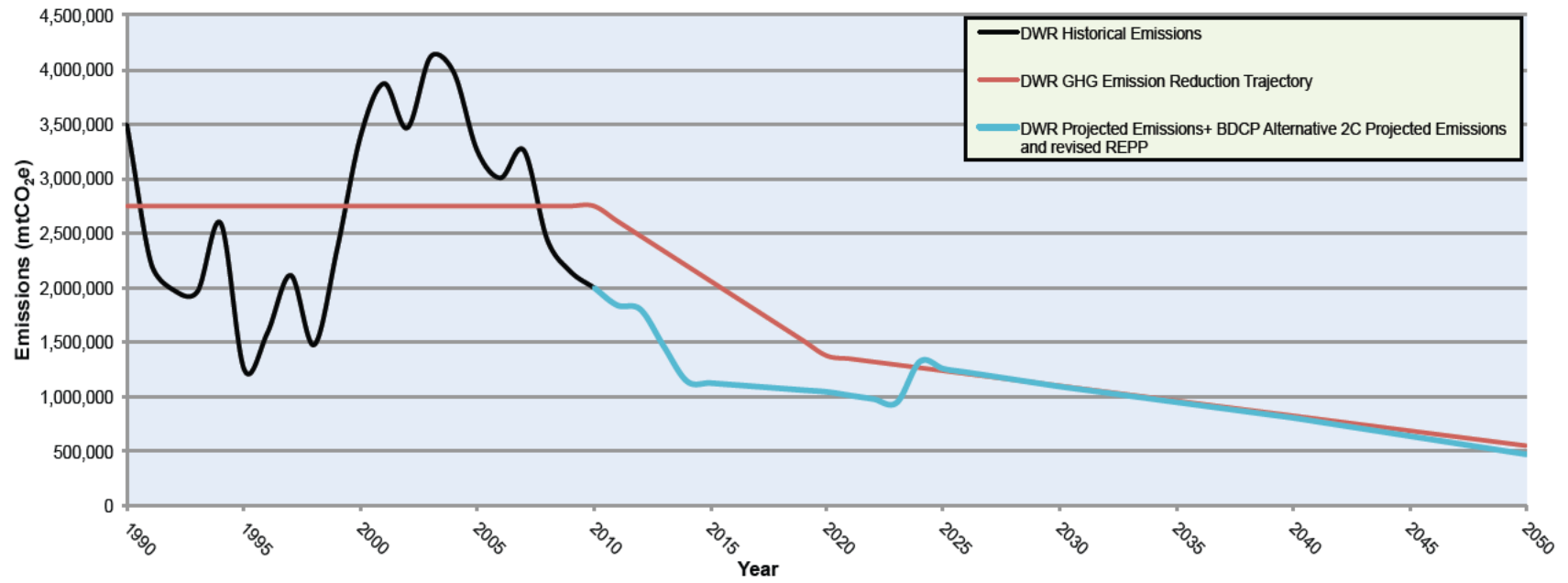


Figure 22-14
DWR Total Emissions with Alternative 2C and REPP, 1990–2050

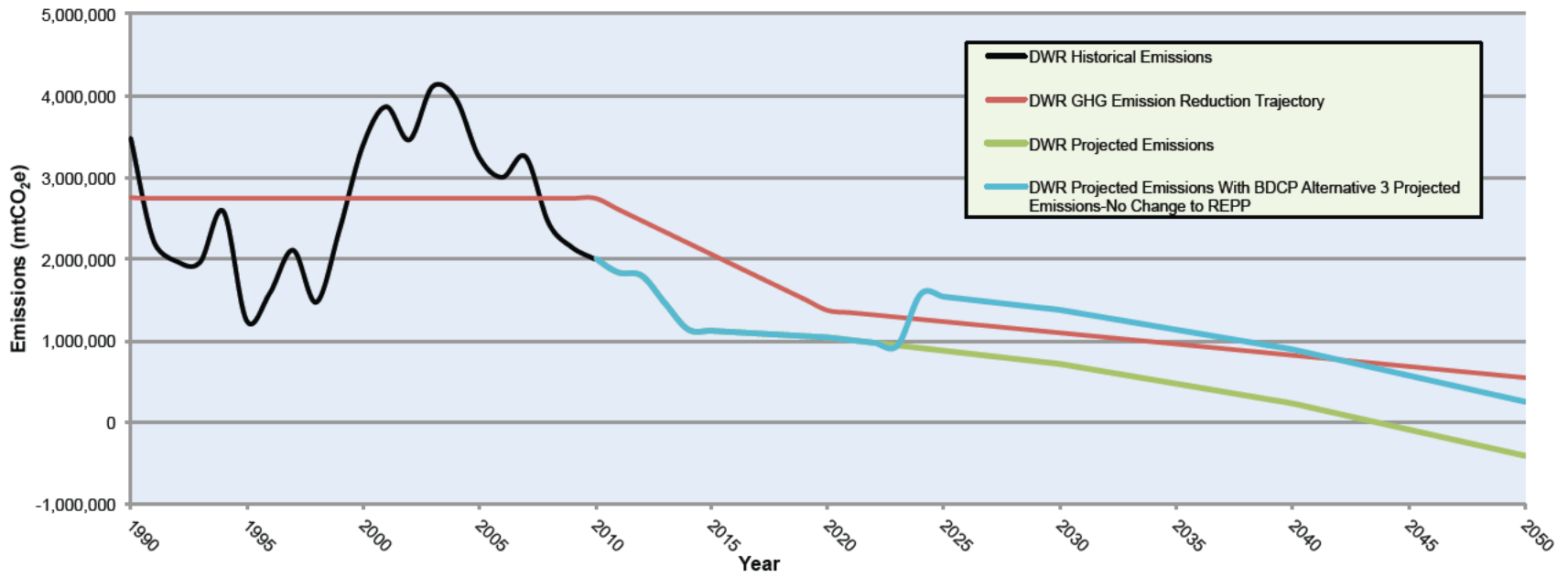


Figure 22-15
DWR Total Emissions with Alternative 3, 1990–2050

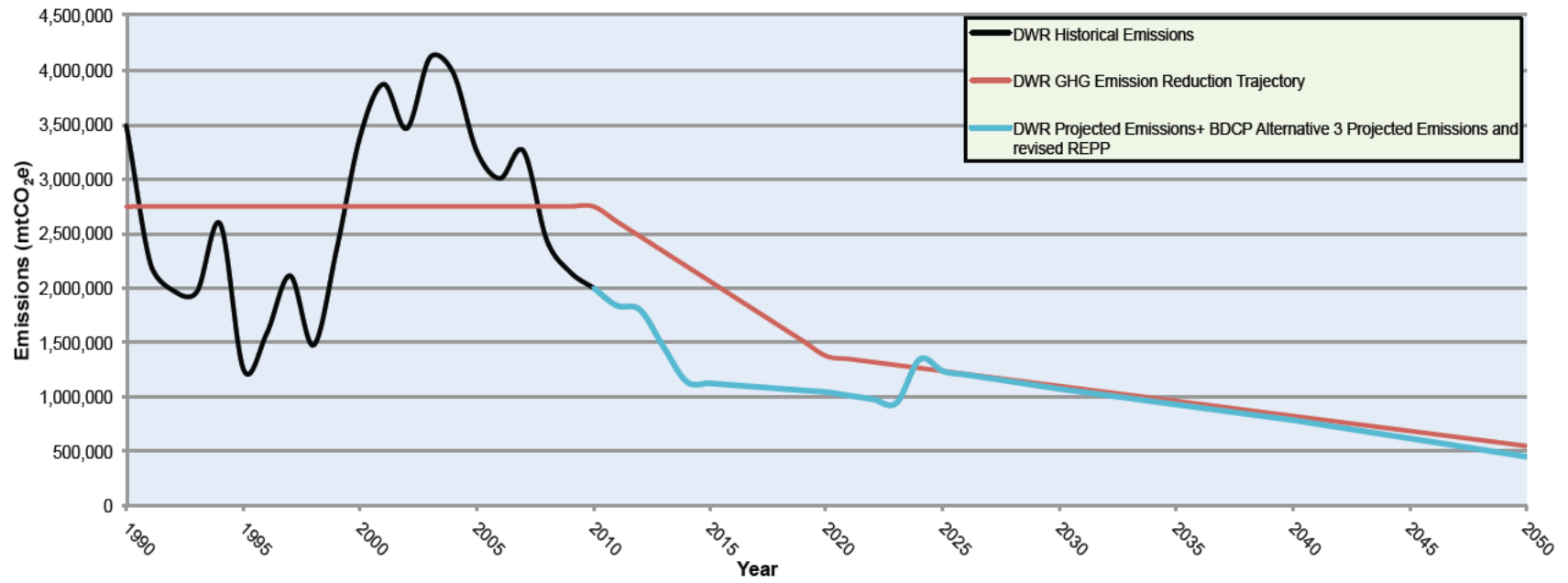


Figure 22-16
DWR Total Emissions with Alternative 3 and REPP, 1990–2050

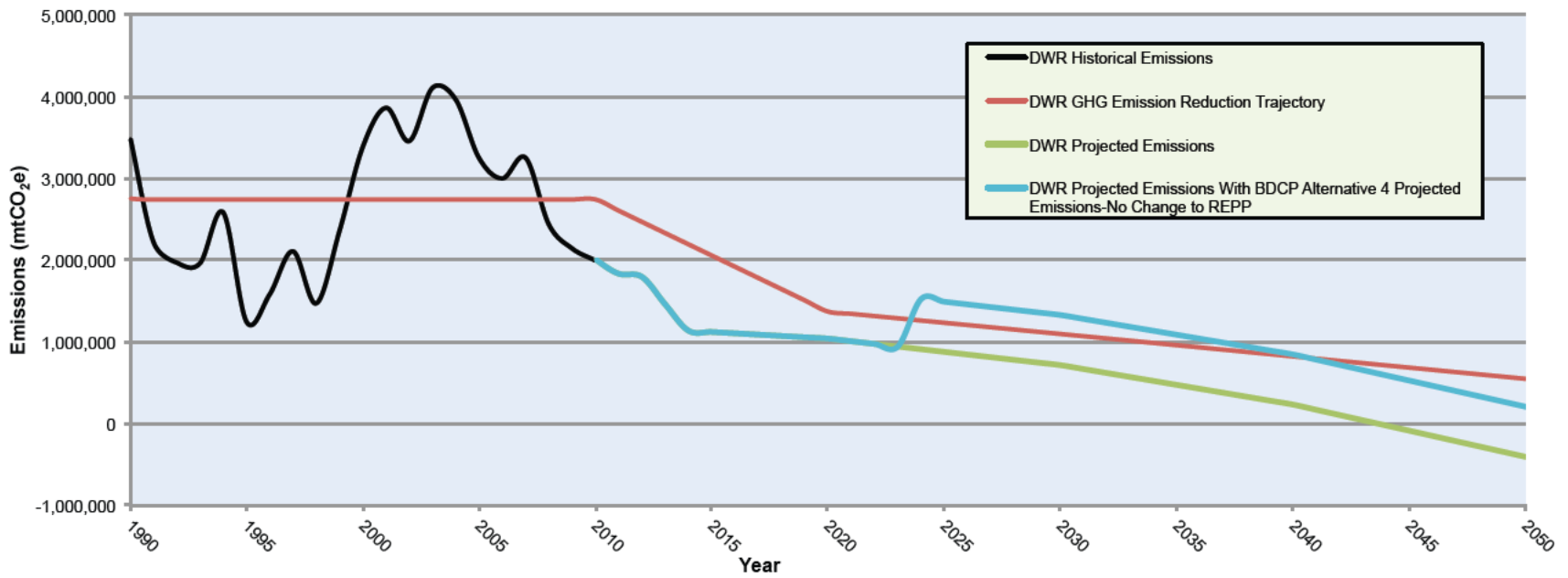


Figure 22-17
DWR Total Emissions with Alternative 4, 1990–2050

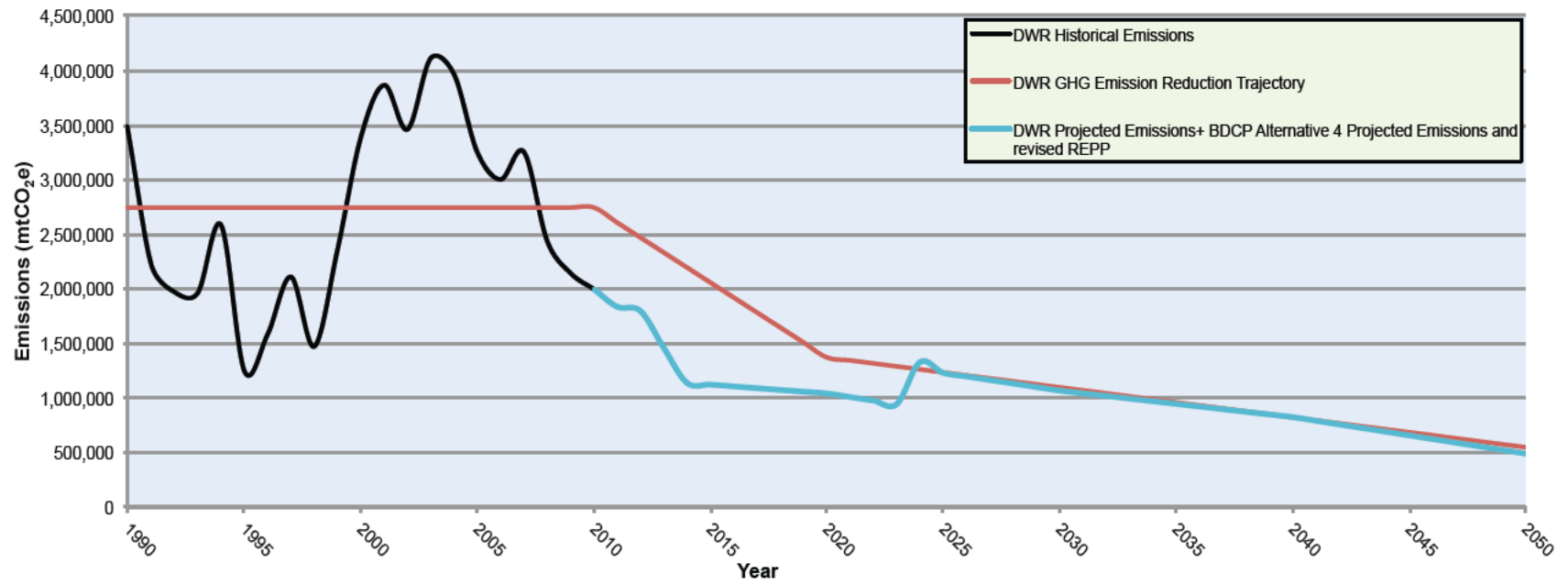


Figure 22-18
DWR Total Emissions with Alternative 4 and REPP, 1990–2050

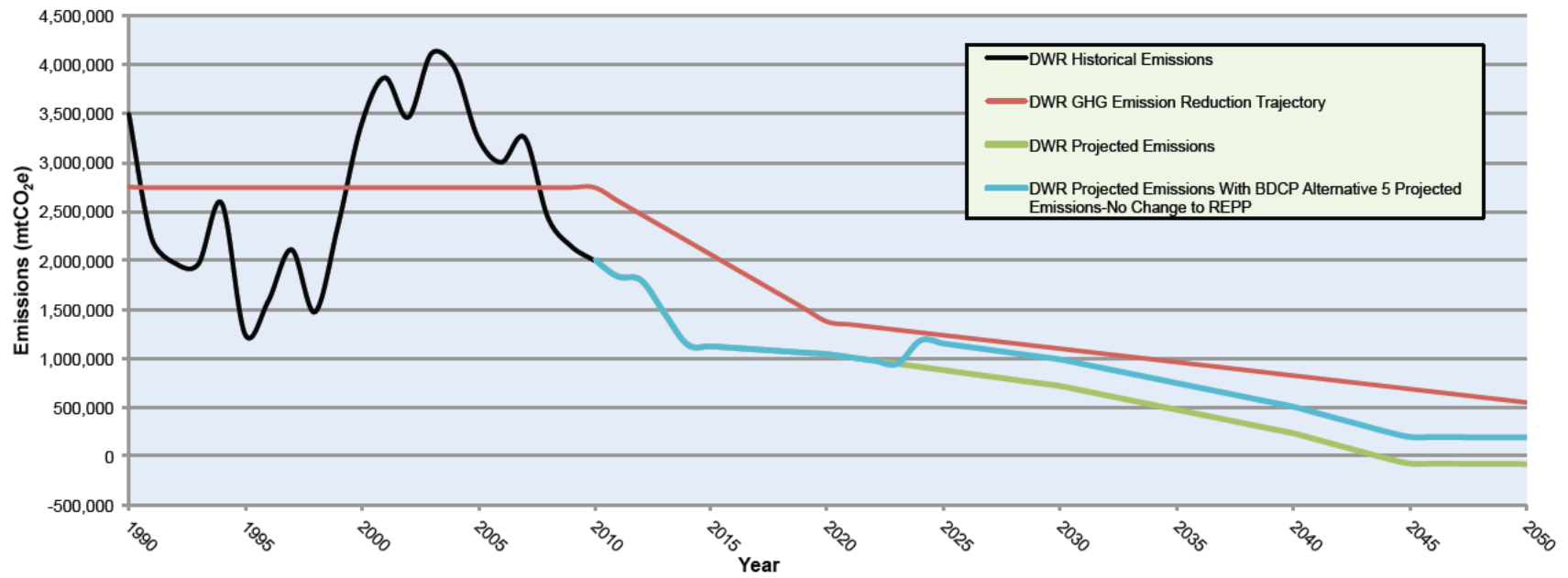


Figure 22-19
DWR Total Emissions with Alternative 5, 1990–2050