

K:\Projects\_1\DW000726\_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 (CO<sub>2</sub>) 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.

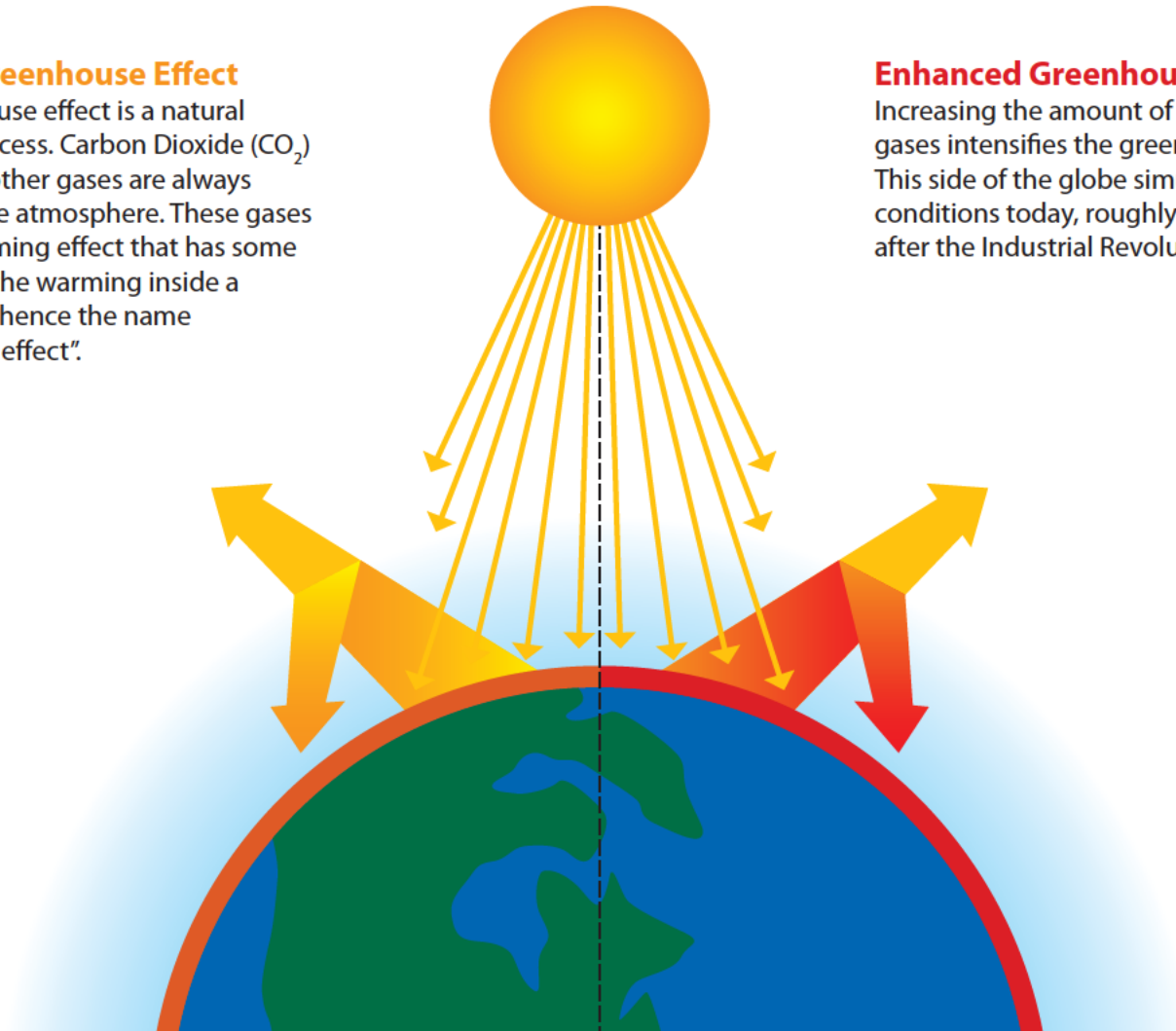
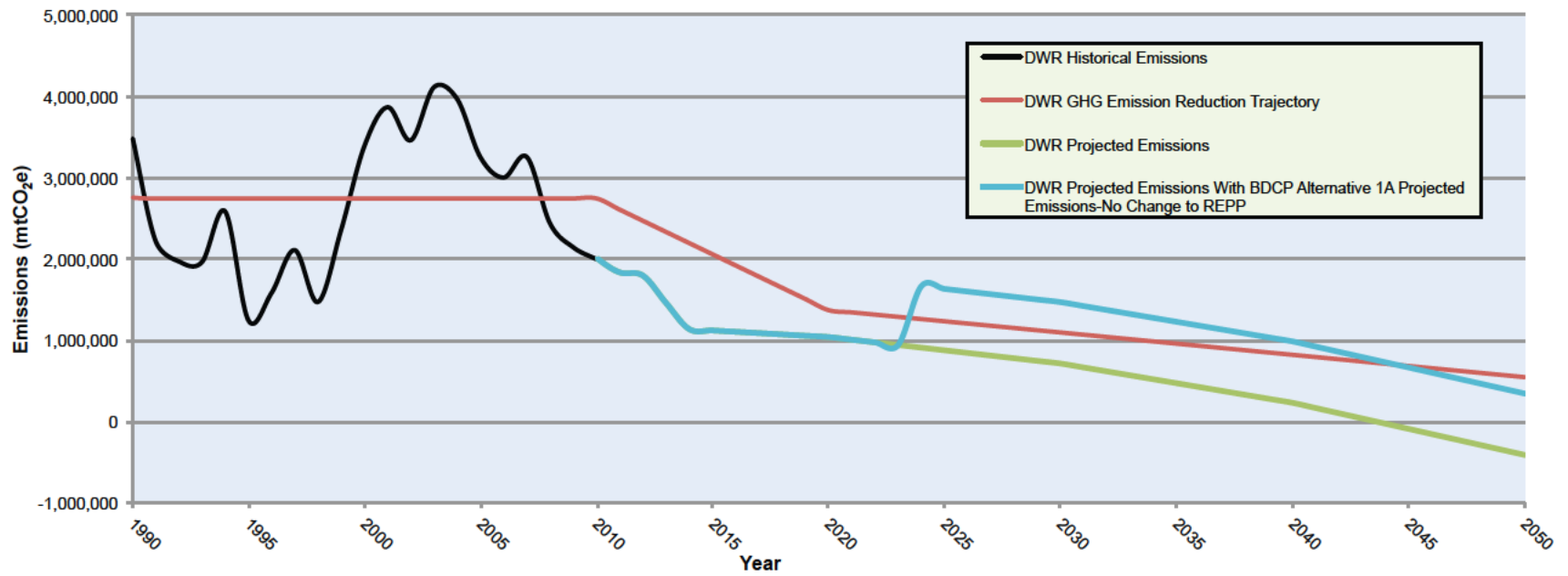
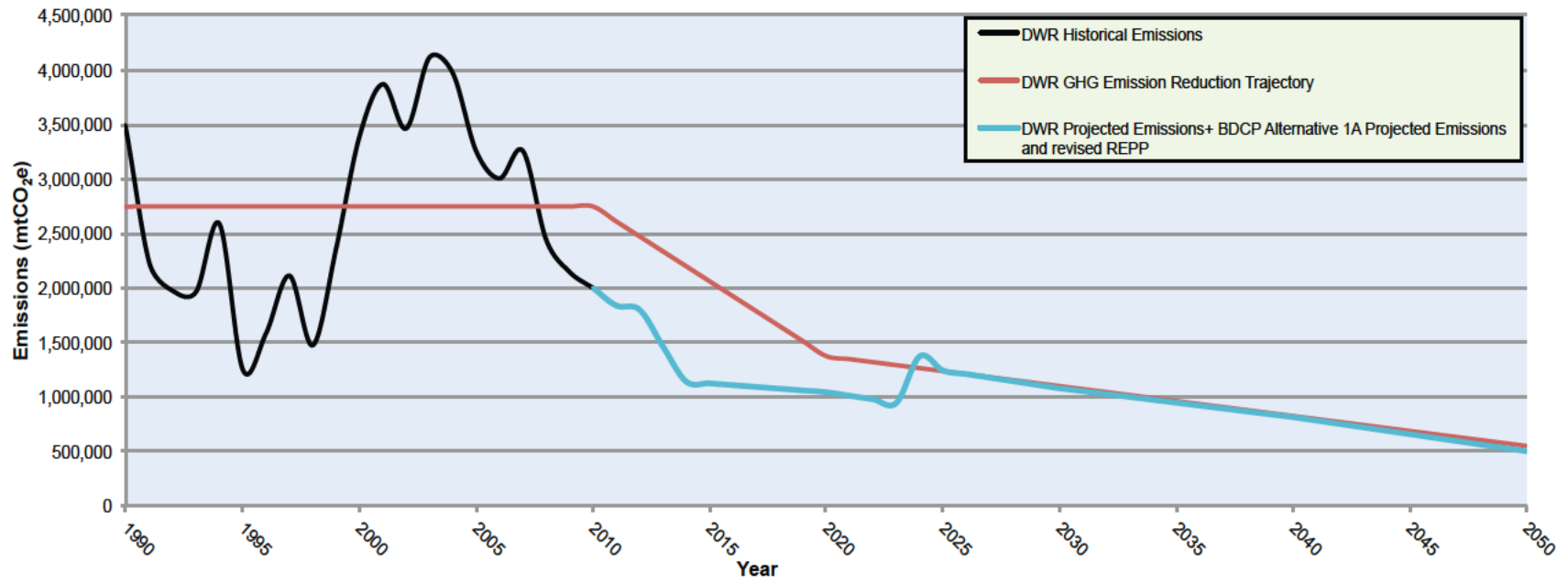


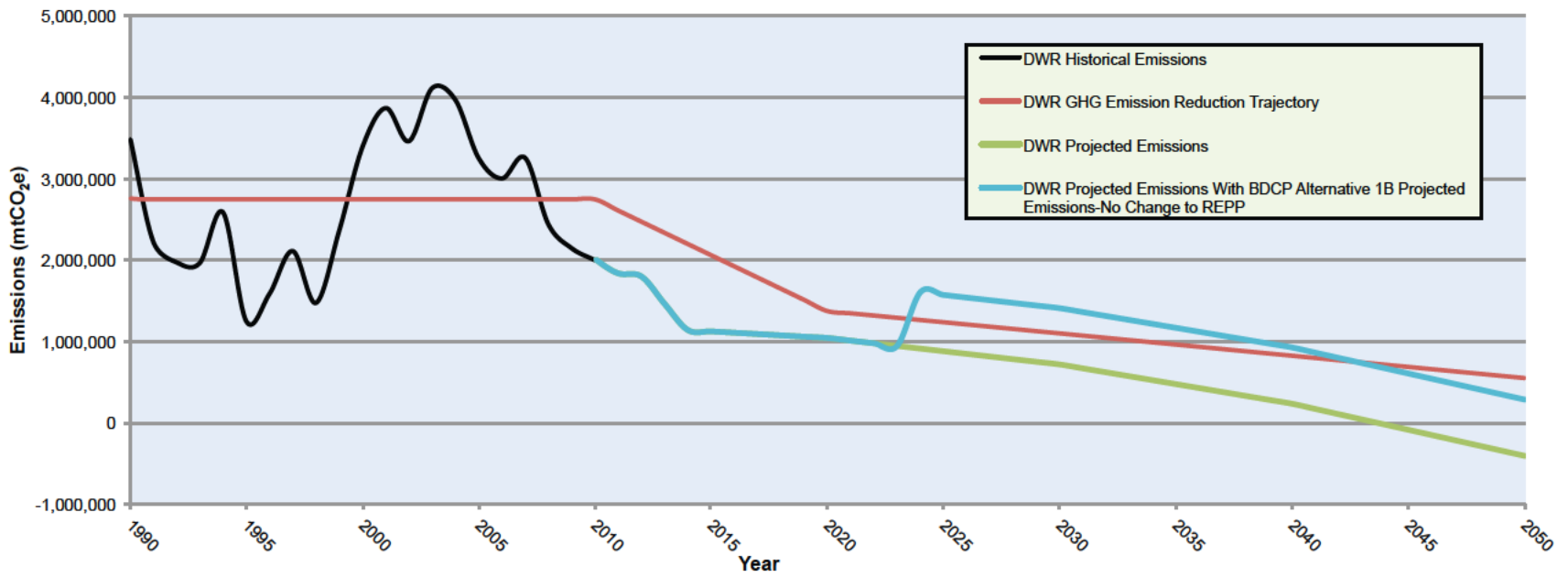
Figure 22-2  
The Greenhouse Gas Effect



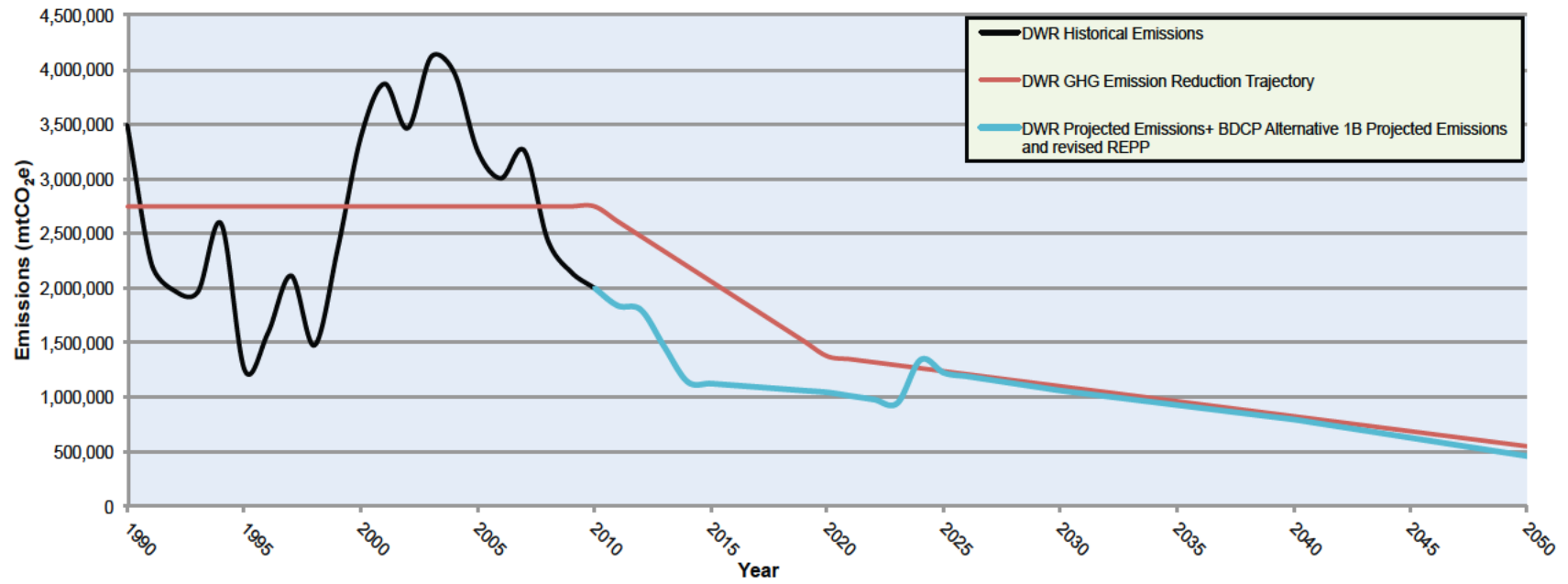
**Figure 22-3**  
**DWR Total Emissions with Alternative 1A, 1990–2050**



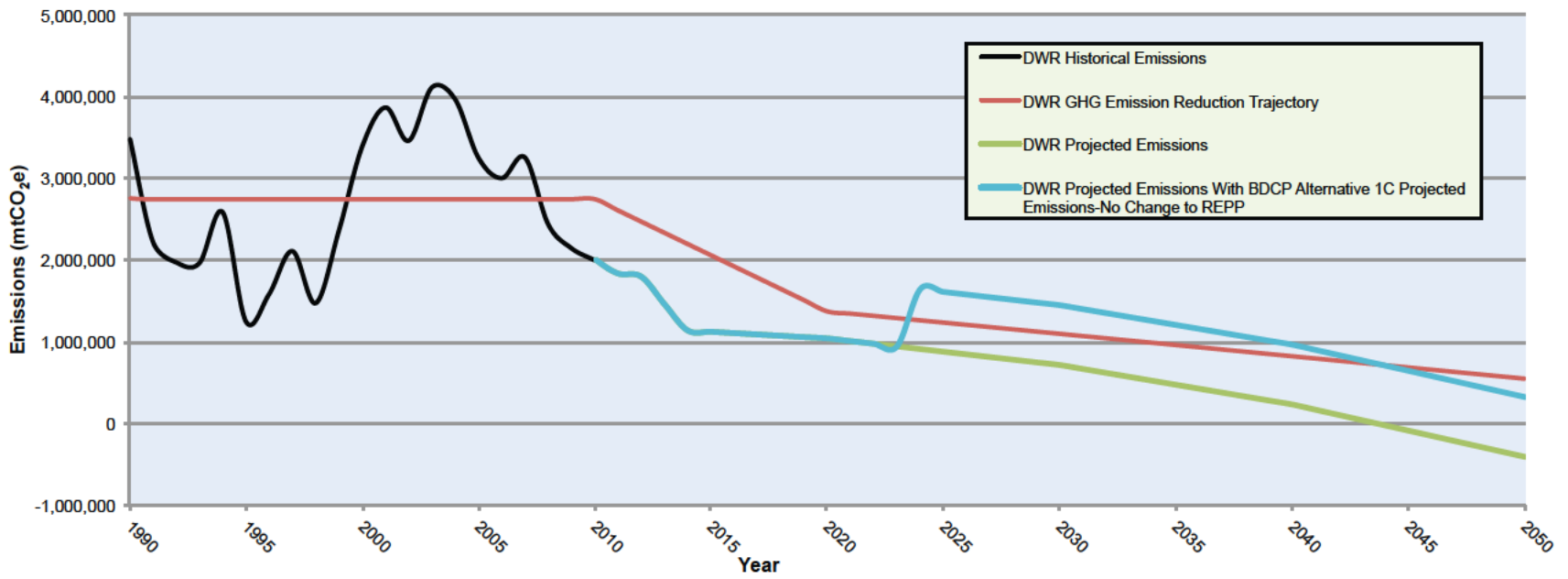
**Figure 22-4**  
**DWR Total Emissions with Alternative 1A and REPP, 1990–2050**



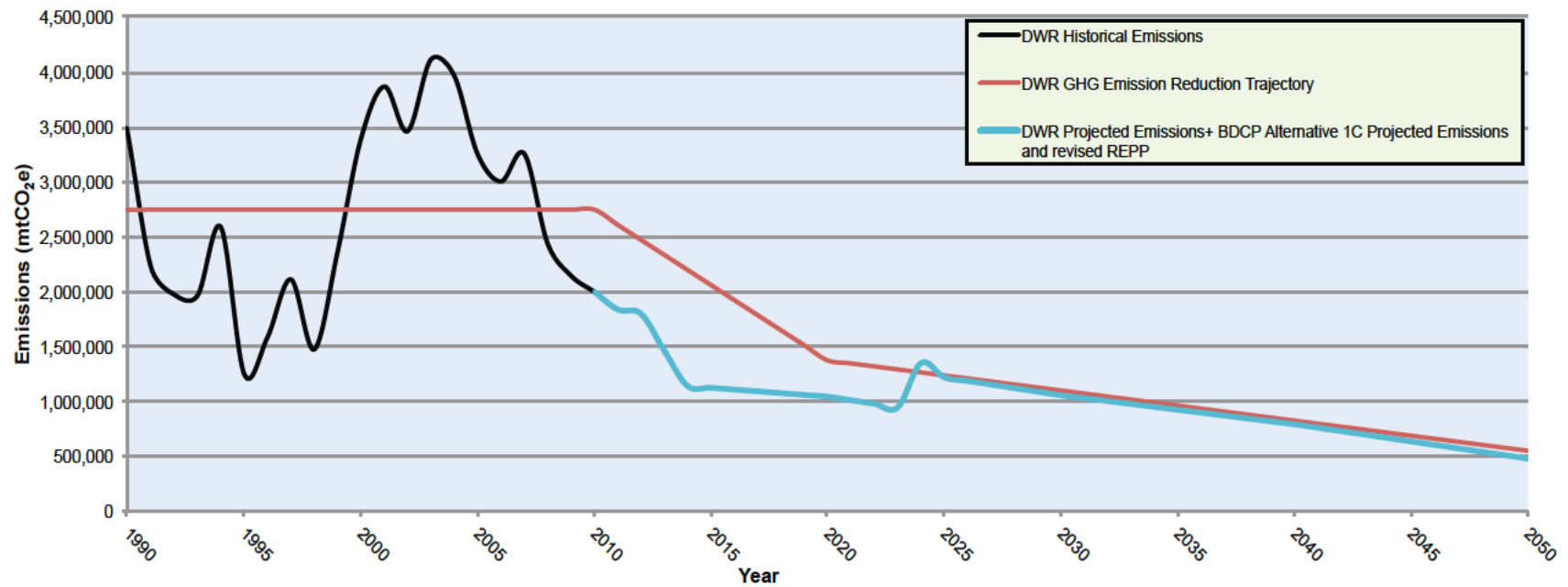
**Figure 22-5**  
**DWR Total Emissions with Alternative 1B, 1990–2050**



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

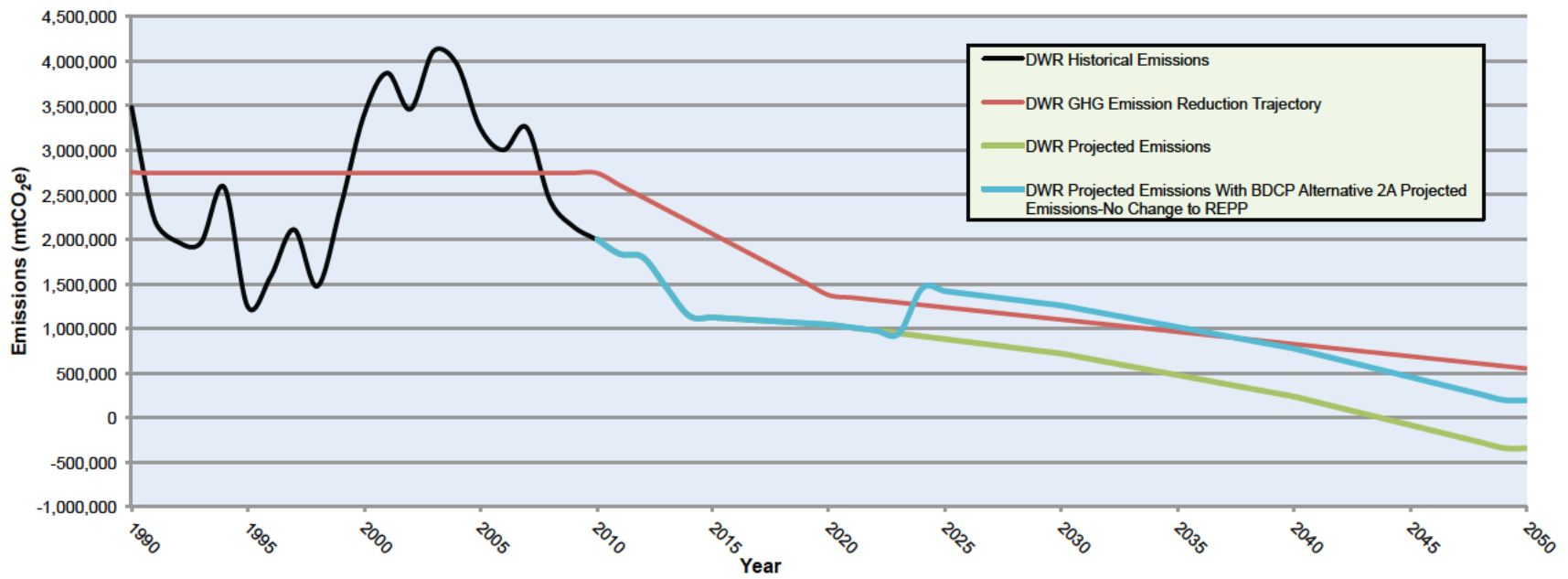


**Figure 22-7**  
**DWR Total Emissions with Alternative 1C, 1990–2050**

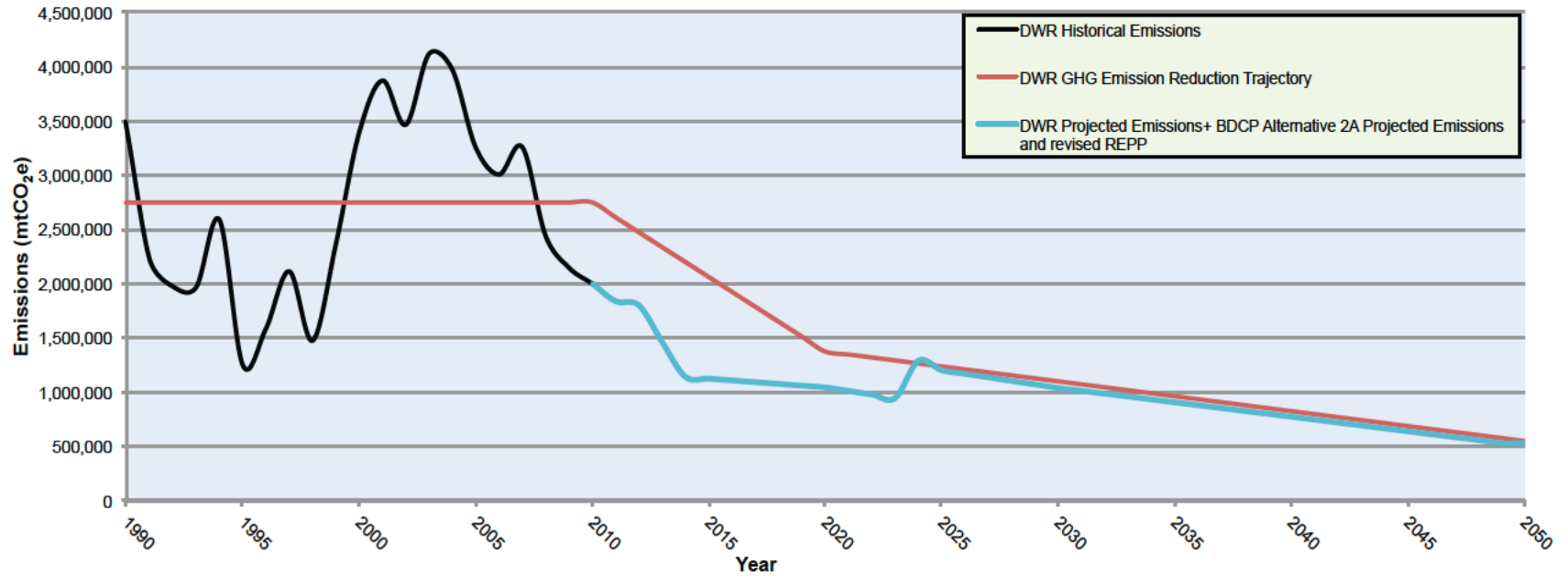


**Figure 22-8**  
**DWR Total Emissions with Alternative 1C and REPP, 1990–2050**

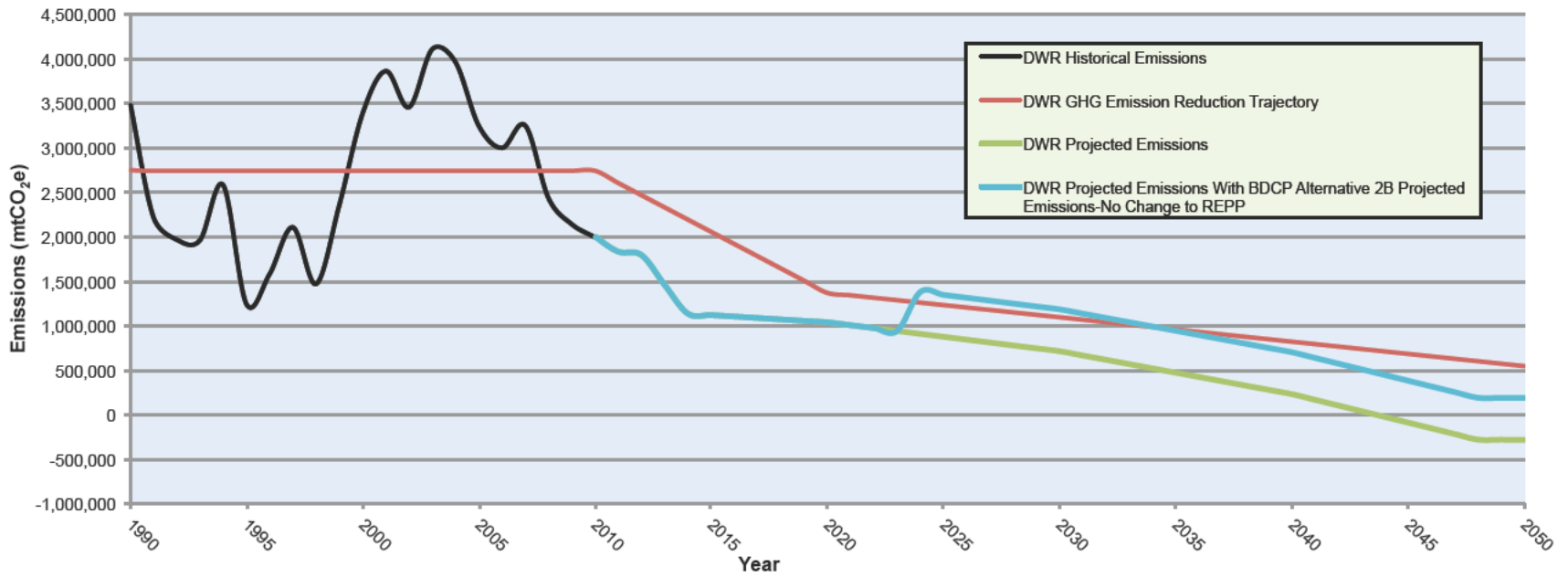




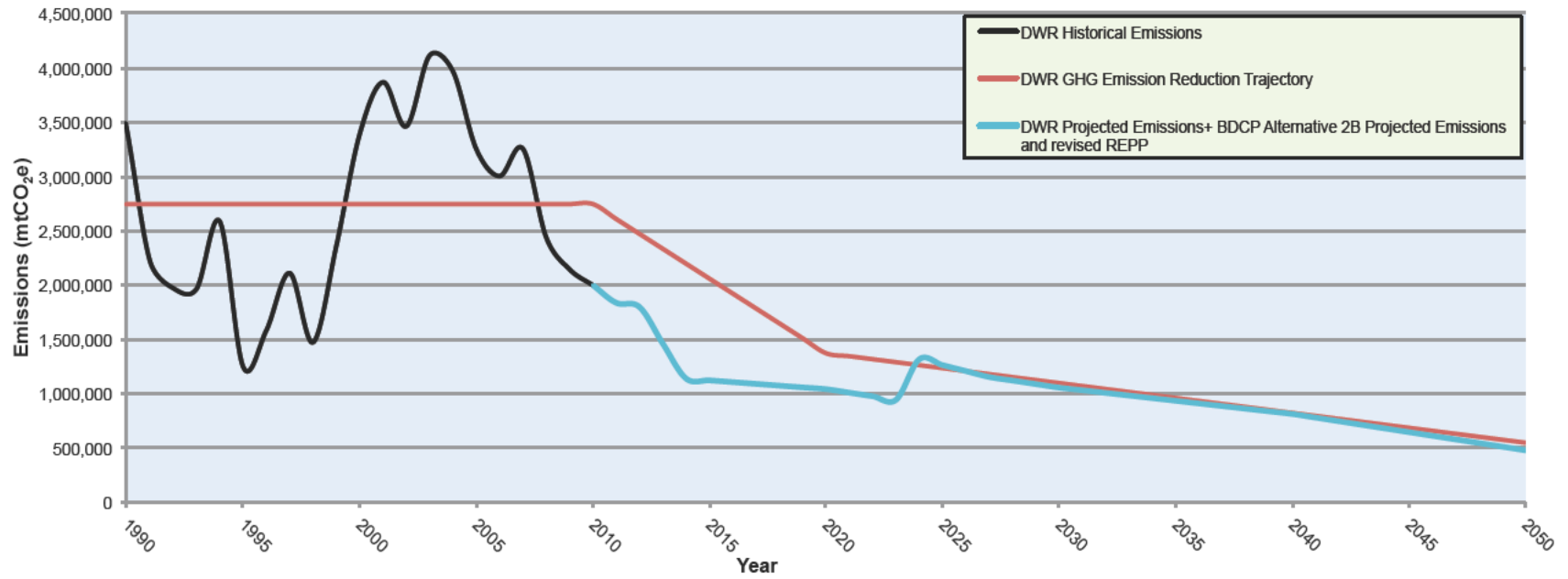
**Figure 22-9**  
**DWR Total Emissions with Alternative 2A, 1990–2050**



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

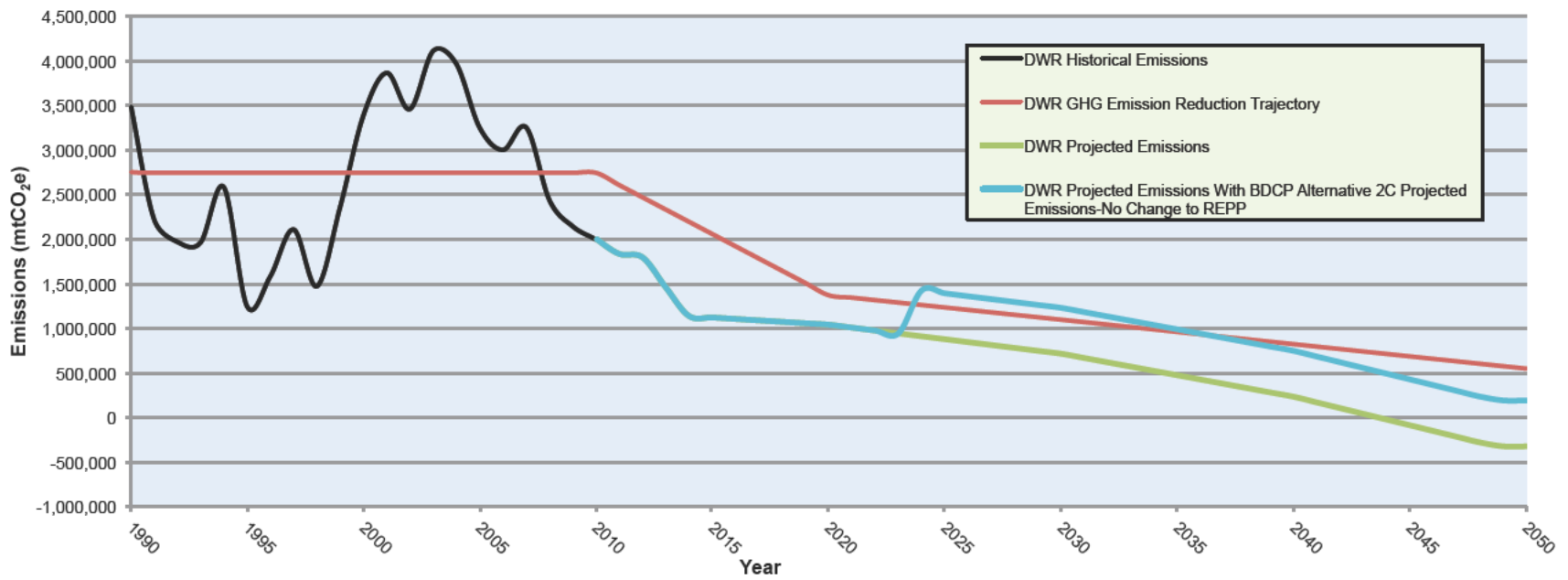


**Figure 22-11**  
**DWR Total Emissions with Alternative 2B, 1990–2050**

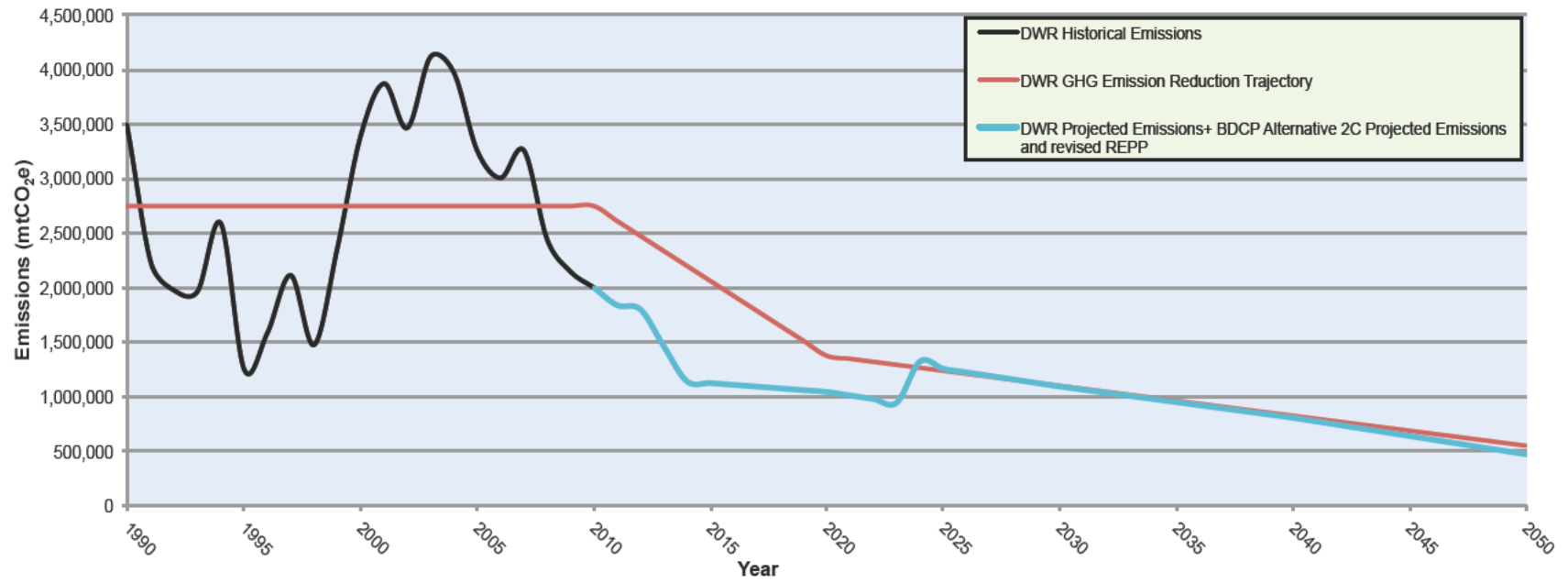


**Figure 22-12**  
**DWR Total Emissions with Alternative 2B and REPP, 1990–2050**

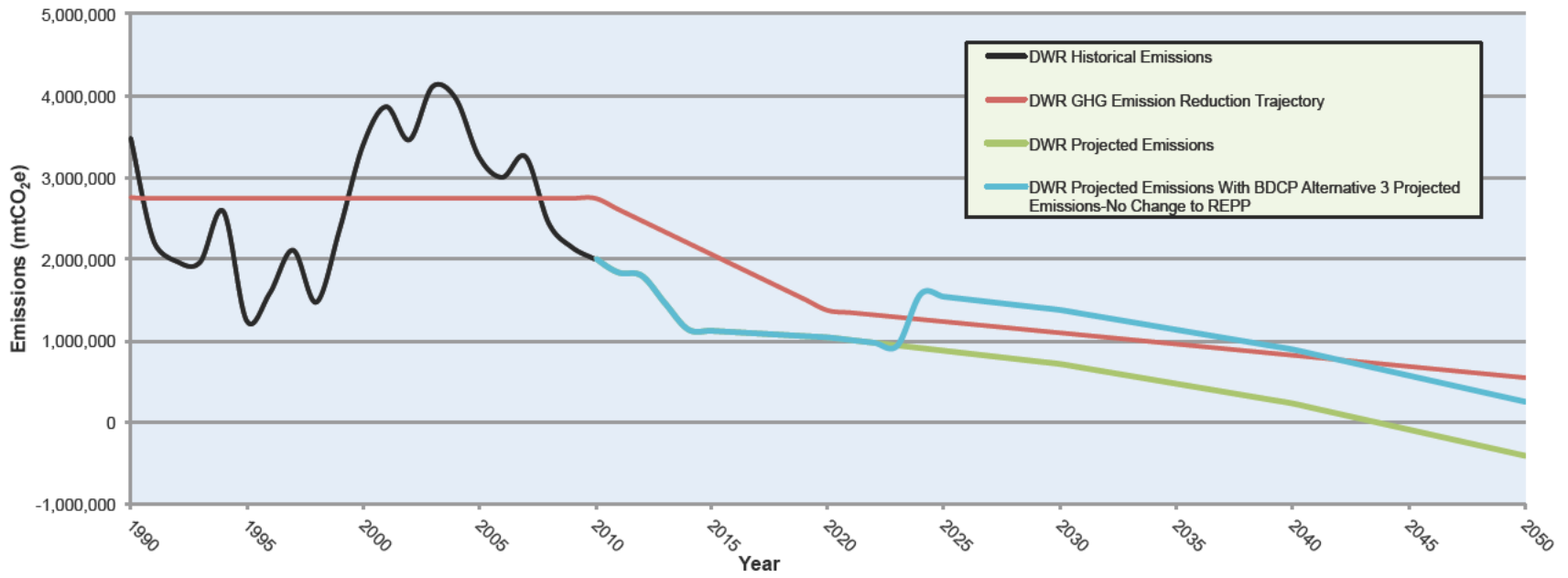




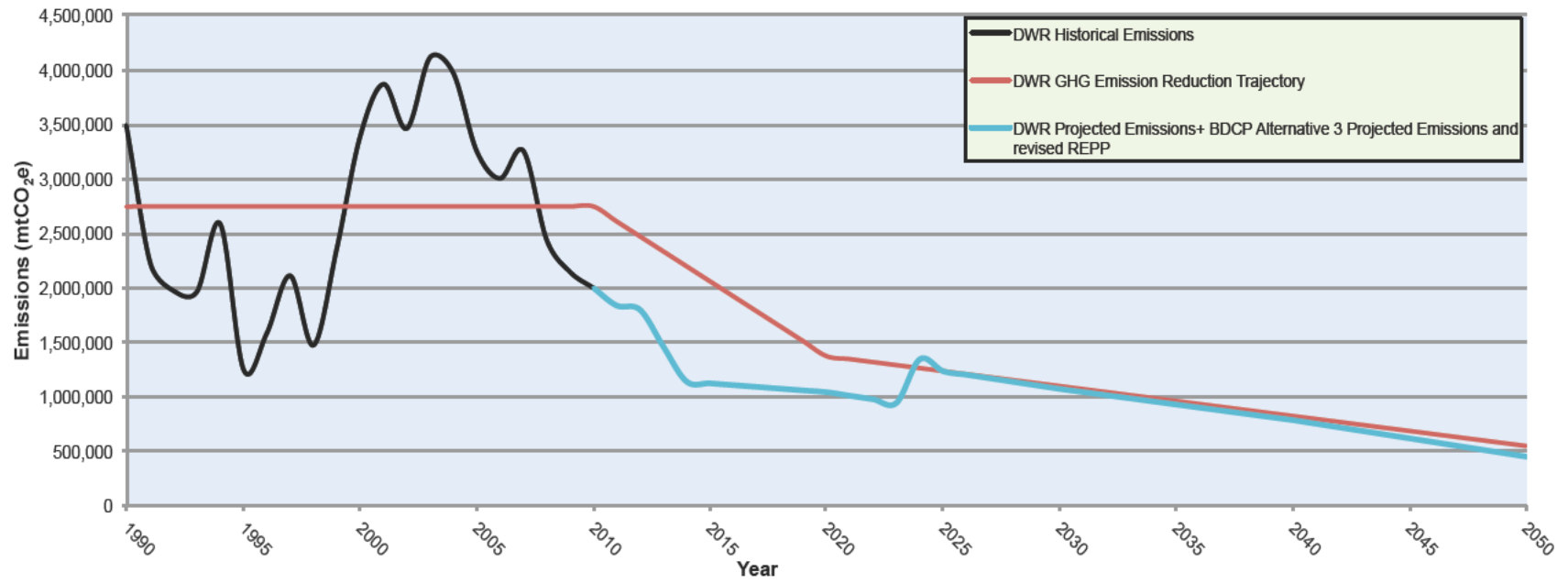
**Figure 22-13**  
**DWR Total Emissions with Alternative 2C, 1990–2050**



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

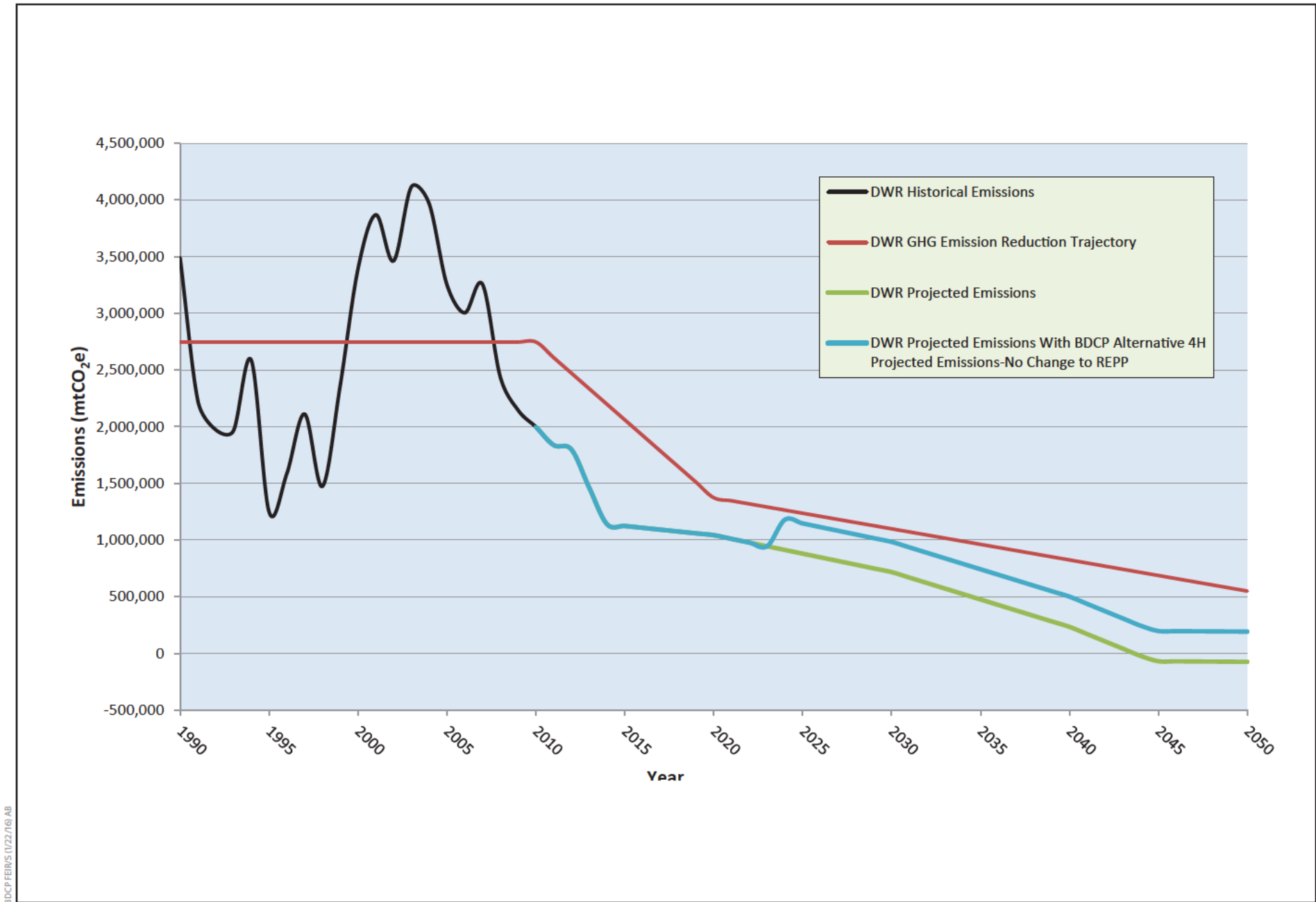


**Figure 22-15**  
**DWR Total Emissions with Alternative 3, 1990–2050**



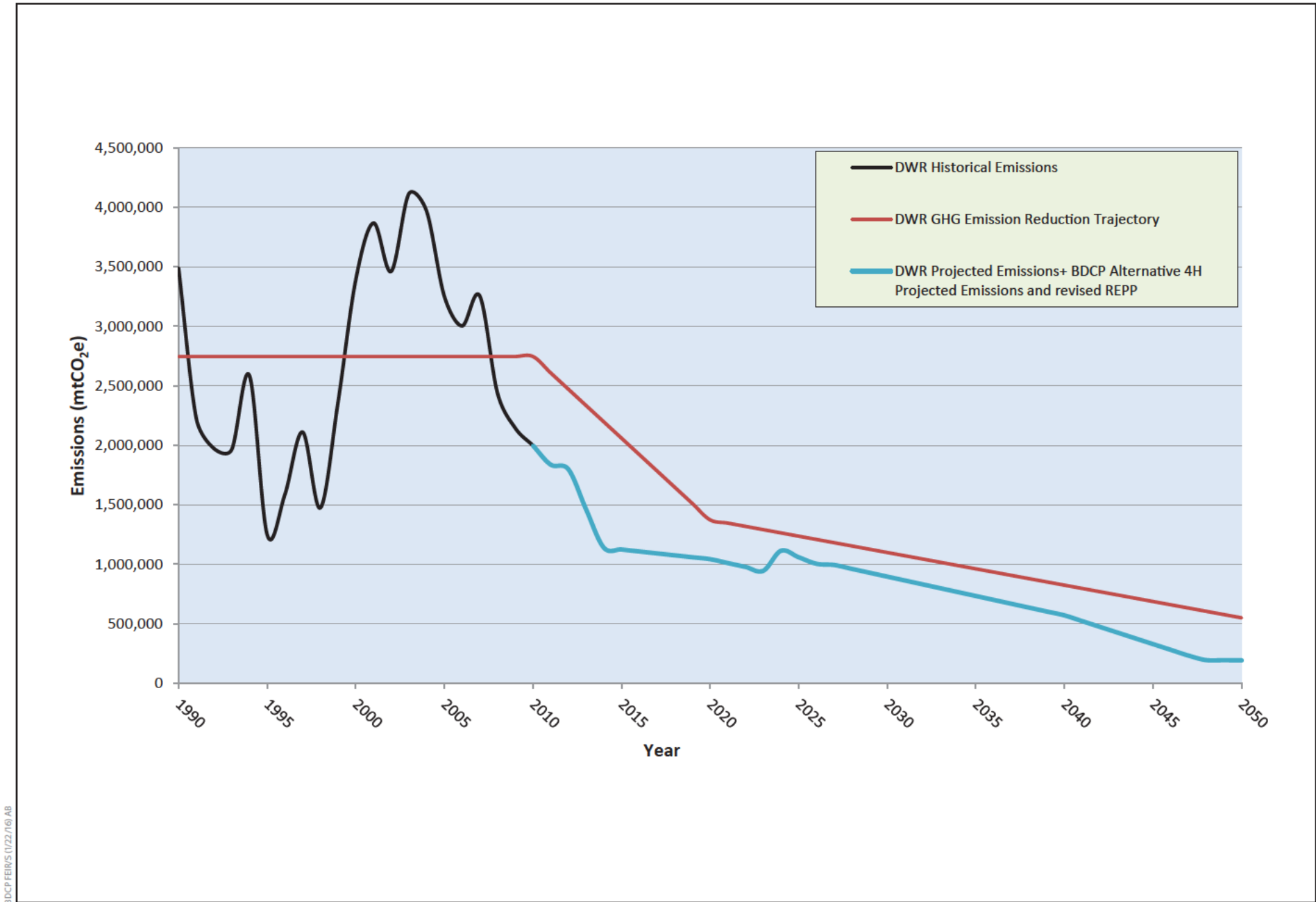
**Figure 22-16**  
**DWR Total Emissions with Alternative 3 and REPP, 1990–2050**





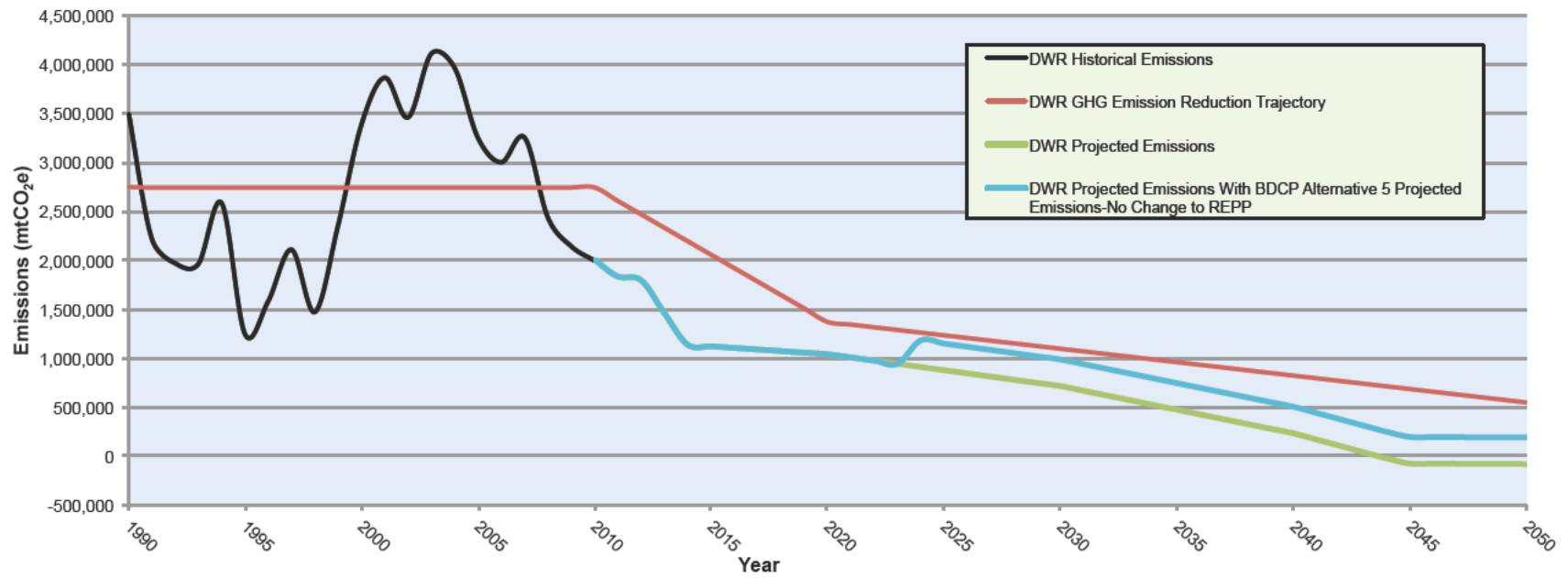
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**Figure 22-17**  
**DWR Total Emissions 1990-2050 Including BDCP Alternative 4H**

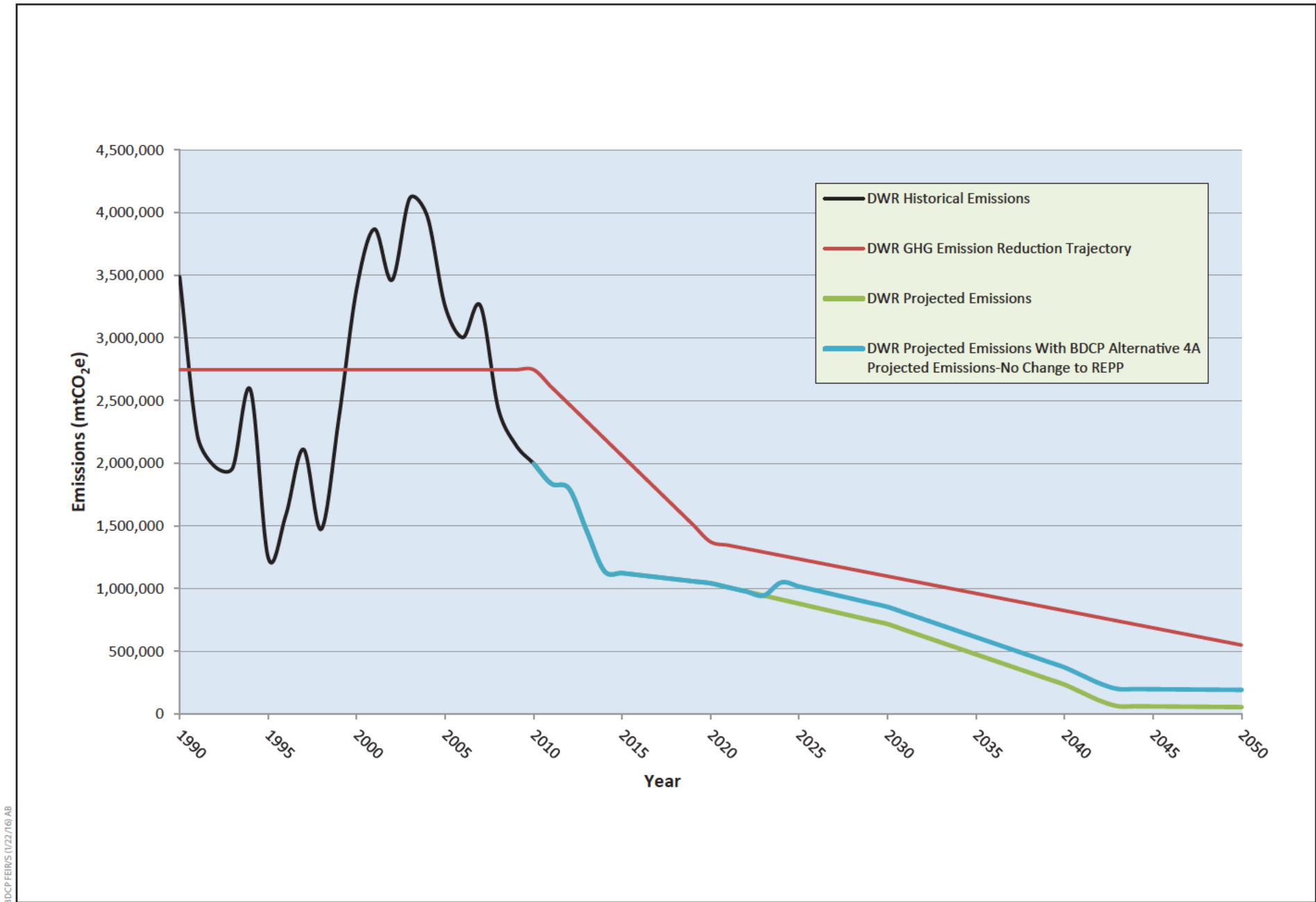


BDCP FEIR/S (1/22/16) AB

**Figure 22-18**  
**DWR Total Emissions 1990-2050 Including BDCP Alternative 4H and Revised REPP**



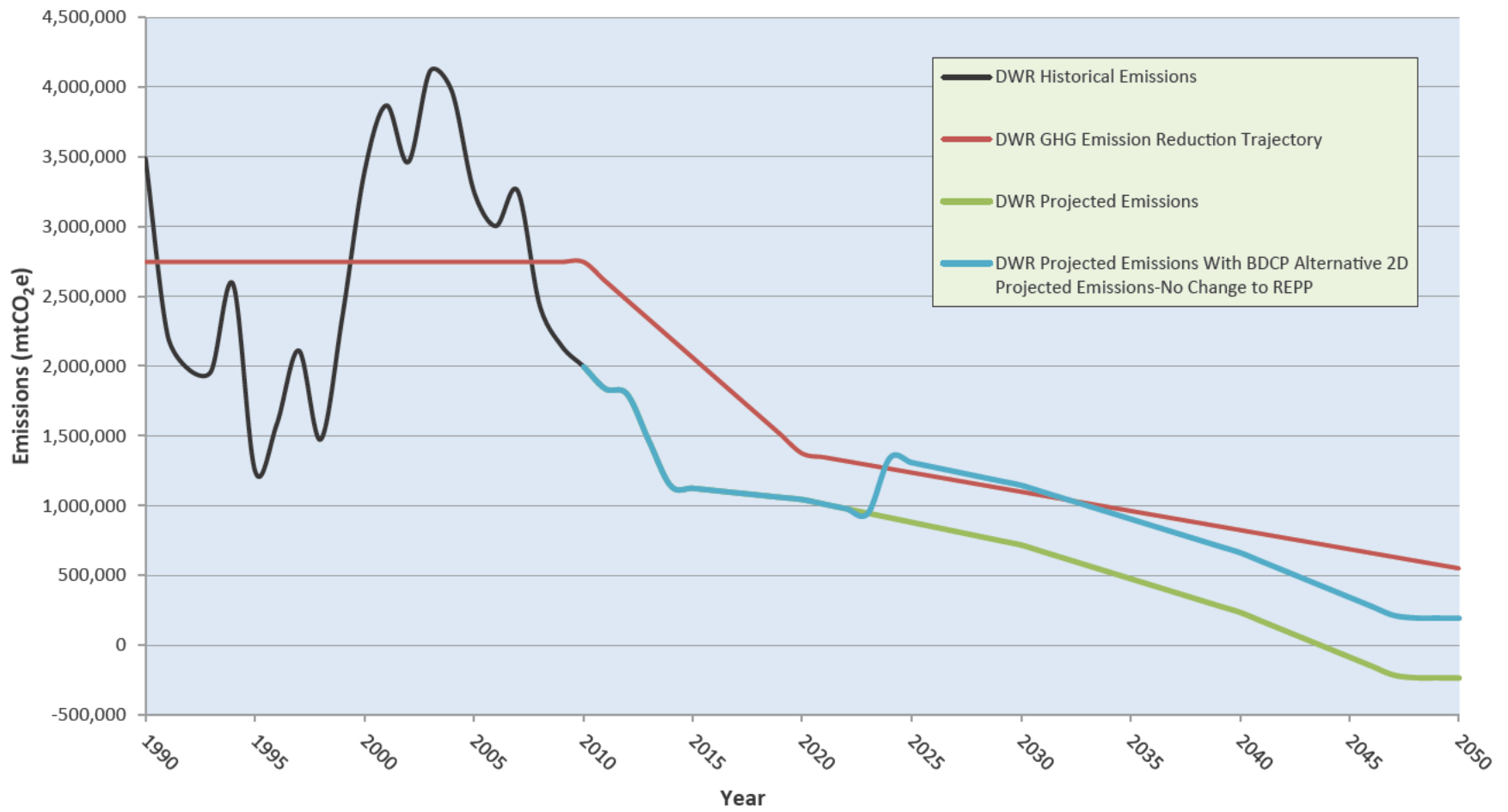
**Figure 22-19**  
**DWR Total Emissions with Alternative 5, 1990–2050**



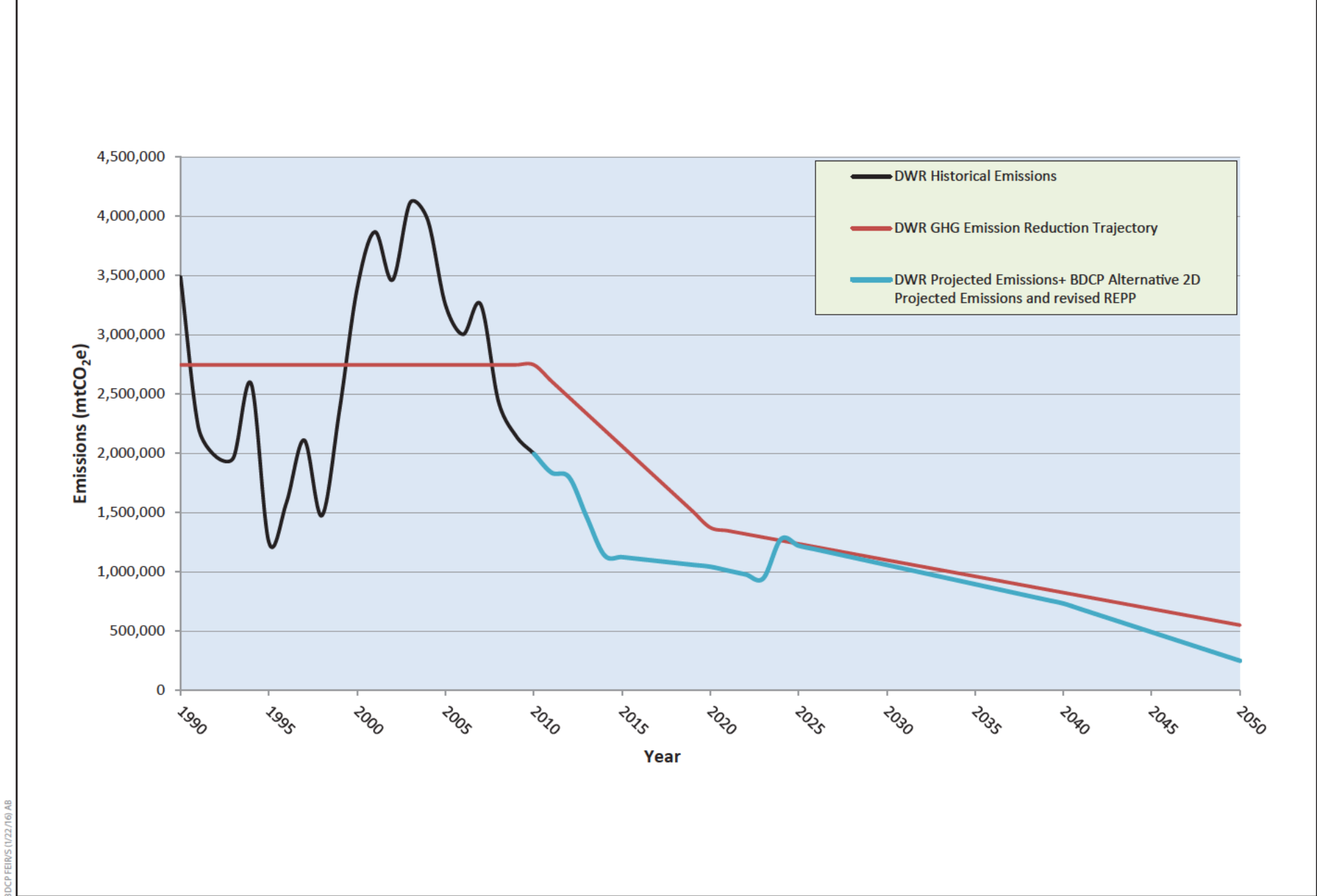
BDCP FEIR/S (1/22/16) / AB

**Figure 22-20**  
**DWR Total Emissions 1990-2050 Including BDCP Alternative 4A**



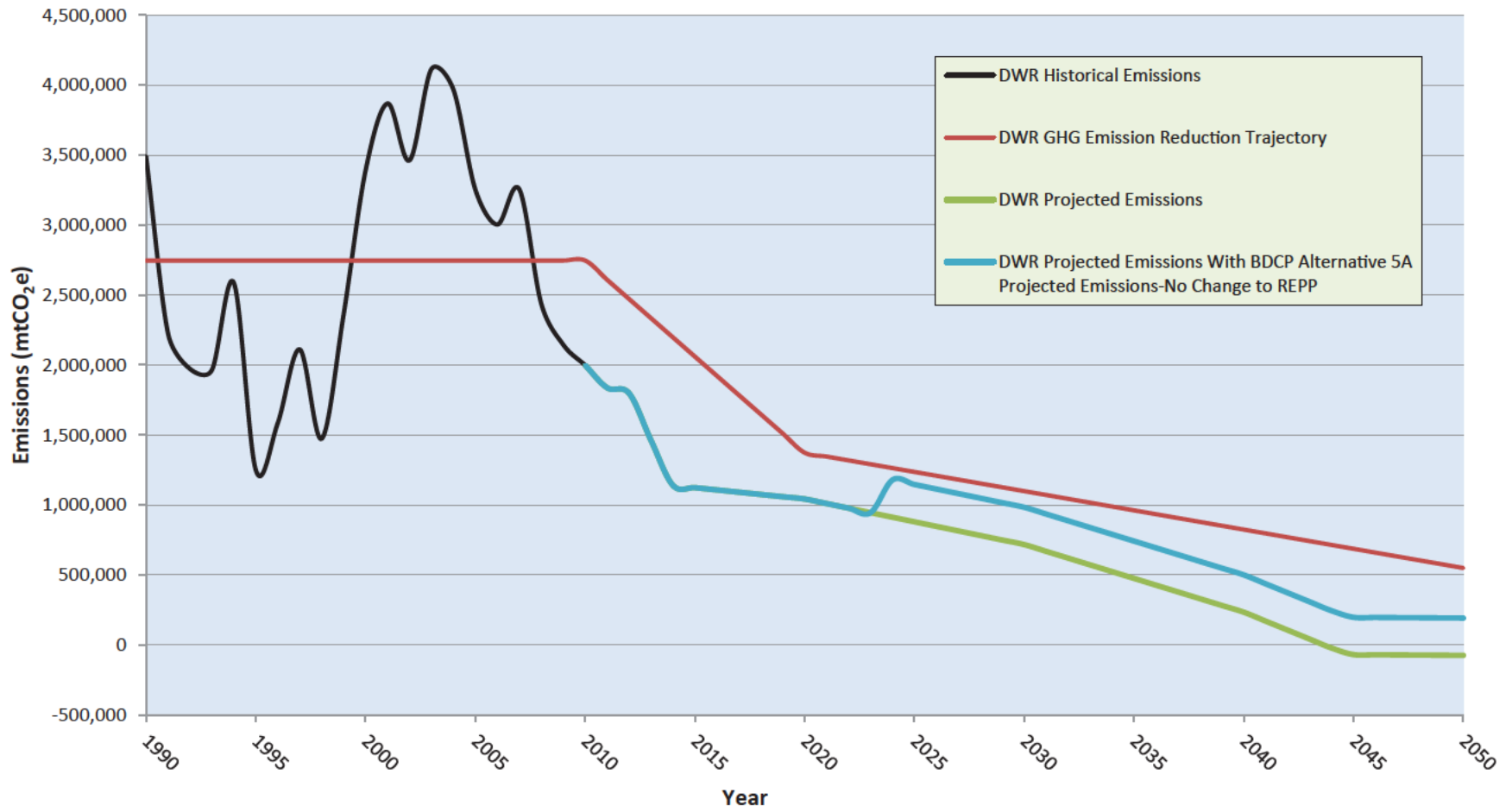


**Figure 22-21**  
**DWR Total Emissions 1990-2050 Including BDCP Alternative 2D**



BDCP FEIR/S (1/22/16) AB

**Figure 22-22**  
**DWR Total Emissions 1990-2050 Including BDCP Alternative 2D and Revised REPP**



**Figure 22-23**  
**DWR Total Emissions 1990-2050 Including BDCP Alternative 5A**