US EPA REGION 9 AIR QUALITY TRENDS, 2001-2018 2012 ANNUAL FINE PARTICULATE MATTER (PM2 5) DESIGN VALUES IN DESIGNATED AND OTHER VIOLATING AREAS 35 30 Concentration (µg/m³) 25 San Joaquin Valley, CA: 17.8 20 Los Angeles-South Coast Air Basin, CA, & Plumas County, CA: 14.7 1997 Annual PM-2.5 NAAQS (15 µg/m³) 15 Imperial County, CA: 12.6 2012 Annual PM-2.5 10 NAAQS $(12 \mu g/m^3)$ Hawaii County, Hawaii (violating with 2018 design value): 12.3 5 0 2010 2004 2005 2006 2007 2008 2009 2015 2003 2011 2012 2016 2001 2002 2013 2014 2017 2018

The 2012 national ambient air quality standard (NAAQS) for annual fine particulate matter (annual $PM_{2.5}$) is 12.0 micrograms per cubic meter ($\mu g/m^3$). The design value for annual $PM_{2.5}$ is the three-year average of annual mean values at a monitoring site. X-axis values represent the last year of a monitoring site's three-year time period. All exceptional event data (e.g., high winds and wildfires) that EPA has concurred on have been excluded from design value calculations. AIR19100 - 2018 annual air quality update - PM25.xlsx (September 26, 2019)

Source: US EPA's Air Quality Systems (AQS) database (July 18, 2019).