

# Californians and the Environment July 2018

## Time Trends – All Respondents

### Methodology Note:

Findings for July 2018 are based on a survey of 1,711 California adult residents, with 70 percent interviewed on cell phones (1,198 interviews) and 30 percent interviewed on landline telephones (513 interviews). Live landline and cell phone interviews were conducted in English and Spanish according to the respondents' preferences. Interviews took an average of 19 minutes to complete. Interviewing took place on weekend days and weekday nights July 8-17, 2018.

The sampling error for July 2018, taking design effects from weighting into consideration, is  $\pm 3.4$  percent at the 95 percent confidence level for the total unweighted sample of 1,711 adults. This means that 95 times out of 100, the results will be within 3.4 percentage points of what they would be if all adults in California were interviewed. Sampling error is only one type of error to which surveys are subject. Results may also be affected by factors such as question wording, question order, and survey timing.

If you have any questions or require additional information regarding this survey, please contact [surveys@ppic.org](mailto:surveys@ppic.org)

**PPIC Statewide Survey  
 Californians and the Environment - July 2018  
 All Adults - Time Trends**

Q1. First, overall, do you approve or disapprove  
 of the way that Jerry Brown is handling his job  
 as governor of California?

|          | approve | disapprove | [VOL] don't<br>know | Unweighted<br>n |
|----------|---------|------------|---------------------|-----------------|
| Jul 2018 | 52%     | 29%        | 19%                 | 1696            |
| May 2018 | 48%     | 31%        | 21%                 | 1690            |
| Apr 2018 | 52%     | 30%        | 18%                 | 1690            |
| Mar 2018 | 51%     | 31%        | 18%                 | 1695            |
| Jan 2018 | 56%     | 29%        | 15%                 | 1696            |
| Dec 2017 | 53%     | 28%        | 19%                 | 1696            |
| Nov 2017 | 55%     | 27%        | 18%                 | 1684            |
| Sep 2017 | 55%     | 31%        | 15%                 | 1722            |
| Jul 2017 | 53%     | 27%        | 20%                 | 1693            |
| May 2017 | 52%     | 32%        | 16%                 | 1693            |
| Apr 2017 | 49%     | 30%        | 21%                 | 1687            |
| Mar 2017 | 58%     | 25%        | 17%                 | 1686            |
| Jan 2017 | 62%     | 24%        | 13%                 | 1688            |
| Dec 2016 | 57%     | 24%        | 18%                 | 1695            |
| Oct 2016 | 55%     | 24%        | 21%                 | 1692            |
| Sep 2016 | 55%     | 28%        | 18%                 | 1691            |
| Jul 2016 | 54%     | 27%        | 20%                 | 1686            |
| May 2016 | 52%     | 28%        | 20%                 | 1691            |
| Apr 2016 | 54%     | 26%        | 19%                 | 1689            |
| Mar 2016 | 51%     | 29%        | 19%                 | 1693            |
| Jan 2016 | 58%     | 26%        | 16%                 | 1693            |
| Dec 2015 | 51%     | 29%        | 20%                 | 1677            |
| Sep 2015 | 52%     | 29%        | 19%                 | 1693            |
| Jul 2015 | 53%     | 27%        | 20%                 | 1678            |
| Jun 2015 | 52%     | 27%        | 21%                 | 1681            |
| Apr 2015 | 50%     | 27%        | 23%                 | 1693            |
| Mar 2015 | 55%     | 28%        | 17%                 | 1686            |
| Jan 2015 | 61%     | 23%        | 16%                 | 1694            |
| Dec 2014 | 54%     | 28%        | 18%                 | 1683            |
| Oct 2014 | 50%     | 28%        | 22%                 | 1685            |
| Sep 2014 | 51%     | 28%        | 21%                 | 1679            |
| Jul 2014 | 53%     | 28%        | 19%                 | 1684            |
| May 2014 | 50%     | 30%        | 20%                 | 1680            |
| Apr 2014 | 51%     | 26%        | 23%                 | 1682            |
| Mar 2014 | 49%     | 28%        | 23%                 | 1679            |
| Jan 2014 | 58%     | 26%        | 16%                 | 1689            |
| Dec 2013 | 47%     | 28%        | 25%                 | 1688            |
| Sep 2013 | 48%     | 31%        | 22%                 | 1686            |
| Jul 2013 | 48%     | 27%        | 26%                 | 2090            |
| May 2013 | 48%     | 31%        | 21%                 | 1687            |
| Apr 2013 | 46%     | 31%        | 22%                 | 1687            |
| Mar 2013 | 49%     | 31%        | 20%                 | 1686            |

**PPIC Statewide Survey  
 Californians and the Environment - July 2018  
 All Adults - Time Trends(cont.)**

Q1. First, overall, do you approve or disapprove  
 of the way that Jerry Brown is handling his job  
 as governor of California?

|          | approve | disapprove | [VOL] don't<br>know | Unweighted<br>n |
|----------|---------|------------|---------------------|-----------------|
| Jan 2013 | 51%     | 28%        | 21%                 | 1696            |
| Dec 2012 | 48%     | 35%        | 17%                 | 1985            |
| Oct 2012 | 42%     | 37%        | 21%                 | 1993            |
| Sep 2012 | 41%     | 36%        | 23%                 | 1986            |
| Aug 2012 | 42%     | 35%        | 23%                 | 2461            |
| May 2012 | 39%     | 36%        | 24%                 | 1989            |
| Apr 2012 | 43%     | 32%        | 25%                 | 1983            |
| Mar 2012 | 40%     | 33%        | 27%                 | 1984            |
| Jan 2012 | 46%     | 31%        | 23%                 | 1987            |
| Dec 2011 | 42%     | 30%        | 28%                 | 1982            |
| Nov 2011 | 44%     | 30%        | 26%                 | 2476            |
| Sep 2011 | 41%     | 28%        | 31%                 | 1985            |
| Jul 2011 | 42%     | 28%        | 29%                 | 2481            |
| Jun 2011 | 42%     | 24%        | 33%                 | 1990            |
| Apr 2011 | 40%     | 29%        | 31%                 | 2479            |
| Mar 2011 | 34%     | 24%        | 42%                 | 1984            |
| Feb 2011 | 34%     | 17%        | 49%                 | 2470            |
| Jan 2011 | 41%     | 19%        | 39%                 | 1969            |

Note: Numbers may not add to 100 due to rounding

**PPIC Statewide Survey  
 Californians and the Environment - July 2018  
 All Adults - Time Trends**

Q2. Do you approve or disapprove of the way  
 that Governor Brown is handling environmental  
 issues in California?

|          | approve | disapprove | [VOL] don't<br>know | Unweighted<br>n |
|----------|---------|------------|---------------------|-----------------|
| Jul 2018 | 48%     | 31%        | 21%                 | 1706            |
| Jul 2017 | 51%     | 28%        | 21%                 | 1696            |
| Jul 2016 | 49%     | 29%        | 22%                 | 1687            |
| Jul 2015 | 47%     | 34%        | 19%                 | 1684            |
| Jul 2014 | 47%     | 29%        | 23%                 | 1685            |
| Jul 2013 | 39%     | 29%        | 32%                 | 2087            |
| Aug 2012 | 39%     | 31%        | 30%                 | 2465            |
| Jul 2011 | 35%     | 27%        | 37%                 | 2482            |

Note: Numbers may not add to 100 due to rounding

**PPIC Statewide Survey  
 Californians and the Environment - July 2018  
 All Adults - Time Trends**

Q3. Overall, do you approve or disapprove of  
 the way that the California Legislature is  
 handling its job?

|          | approve | disapprove | [VOL] don't<br>know | Unweighted<br>n |
|----------|---------|------------|---------------------|-----------------|
| Jul 2018 | 46%     | 38%        | 15%                 | 1703            |
| May 2018 | 44%     | 38%        | 18%                 | 1692            |
| Apr 2018 | 46%     | 40%        | 14%                 | 1697            |
| Mar 2018 | 46%     | 38%        | 16%                 | 1690            |
| Jan 2018 | 51%     | 33%        | 16%                 | 1694            |
| Dec 2017 | 49%     | 36%        | 15%                 | 1697            |
| Nov 2017 | 48%     | 36%        | 16%                 | 1690            |
| Sep 2017 | 49%     | 39%        | 12%                 | 1726            |
| Jul 2017 | 50%     | 34%        | 17%                 | 1697            |
| May 2017 | 46%     | 38%        | 15%                 | 1691            |
| Apr 2017 | 49%     | 36%        | 15%                 | 1696            |
| Mar 2017 | 51%     | 33%        | 16%                 | 1685            |
| Jan 2017 | 57%     | 30%        | 13%                 | 1686            |
| Dec 2016 | 49%     | 38%        | 13%                 | 1697            |
| Oct 2016 | 46%     | 33%        | 20%                 | 1684            |
| Sep 2016 | 47%     | 37%        | 16%                 | 1690            |
| Jul 2016 | 45%     | 40%        | 15%                 | 1687            |
| May 2016 | 43%     | 37%        | 20%                 | 1690            |
| Apr 2016 | 48%     | 38%        | 14%                 | 1694            |
| Mar 2016 | 44%     | 39%        | 18%                 | 1692            |
| Jan 2016 | 46%     | 39%        | 15%                 | 1692            |
| Dec 2015 | 41%     | 40%        | 19%                 | 1678            |
| Sep 2015 | 45%     | 38%        | 17%                 | 1691            |
| Jul 2015 | 39%     | 45%        | 16%                 | 1688            |
| Jun 2015 | 37%     | 43%        | 20%                 | 1694            |
| Apr 2015 | 42%     | 43%        | 15%                 | 1695            |
| Mar 2015 | 45%     | 39%        | 16%                 | 1693            |
| Jan 2015 | 49%     | 36%        | 15%                 | 1689            |
| Dec 2014 | 41%     | 42%        | 17%                 | 1681            |
| Oct 2014 | 41%     | 42%        | 17%                 | 1686            |
| Sep 2014 | 37%     | 42%        | 20%                 | 1673            |
| Jul 2014 | 38%     | 46%        | 16%                 | 1683            |
| May 2014 | 40%     | 44%        | 16%                 | 1684            |
| Apr 2014 | 40%     | 44%        | 17%                 | 1693            |
| Mar 2014 | 36%     | 45%        | 19%                 | 1685            |
| Jan 2014 | 42%     | 44%        | 14%                 | 1698            |
| Dec 2013 | 38%     | 43%        | 19%                 | 1688            |
| Sep 2013 | 38%     | 45%        | 17%                 | 1693            |
| Jul 2013 | 36%     | 45%        | 19%                 | 2096            |
| May 2013 | 35%     | 50%        | 16%                 | 1697            |
| Apr 2013 | 31%     | 53%        | 15%                 | 1699            |
| Mar 2013 | 34%     | 49%        | 17%                 | 1689            |

**PPIC Statewide Survey  
 Californians and the Environment - July 2018  
 All Adults - Time Trends(cont.)**

Q3. Overall, do you approve or disapprove of  
 the way that the California Legislature is  
 handling its job?

|          | approve | disapprove | [VOL] don't<br>know | Unweighted<br>n |
|----------|---------|------------|---------------------|-----------------|
| Jan 2013 | 41%     | 42%        | 17%                 | 1700            |
| Dec 2012 | 34%     | 51%        | 15%                 | 1992            |
| Oct 2012 | 28%     | 55%        | 17%                 | 1995            |
| Sep 2012 | 30%     | 53%        | 17%                 | 1989            |
| Aug 2012 | 29%     | 54%        | 17%                 | 2480            |
| May 2012 | 25%     | 57%        | 18%                 | 1990            |
| Apr 2012 | 25%     | 58%        | 16%                 | 1992            |
| Mar 2012 | 25%     | 54%        | 21%                 | 1989            |
| Jan 2012 | 28%     | 56%        | 16%                 | 1988            |
| Dec 2011 | 25%     | 55%        | 20%                 | 1987            |
| Nov 2011 | 25%     | 55%        | 19%                 | 2490            |
| Sep 2011 | 26%     | 56%        | 18%                 | 1998            |
| Jul 2011 | 23%     | 59%        | 18%                 | 2496            |
| Jun 2011 | 23%     | 58%        | 19%                 | 1998            |
| Apr 2011 | 21%     | 60%        | 19%                 | 2487            |
| Mar 2011 | 24%     | 54%        | 21%                 | 1982            |
| Feb 2011 | 24%     | 52%        | 24%                 | 2483            |
| Jan 2011 | 26%     | 55%        | 19%                 | 1990            |
| Nov 2010 | 14%     | 72%        | 14%                 | 2486            |
| Oct 2010 | 16%     | 77%        | 7%                  | 1989            |
| Sep 2010 | 16%     | 75%        | 9%                  | 1990            |
| Jul 2010 | 15%     | 68%        | 17%                 | 2487            |
| May 2010 | 16%     | 72%        | 12%                 | 1993            |
| Apr 2010 | 16%     | 69%        | 14%                 | 2493            |
| Mar 2010 | 14%     | 72%        | 14%                 | 1996            |
| Jan 2010 | 18%     | 71%        | 11%                 | 1989            |
| Dec 2009 | 17%     | 70%        | 13%                 | 2000            |
| Nov 2009 | 18%     | 68%        | 15%                 | 2491            |
| Sep 2009 | 21%     | 68%        | 11%                 | 1998            |
| Jul 2009 | 17%     | 71%        | 11%                 | 2484            |
| May 2009 | 21%     | 65%        | 14%                 | 1994            |
| Apr 2009 | 23%     | 63%        | 14%                 | 2493            |
| Mar 2009 | 18%     | 68%        | 14%                 | 1995            |
| Feb 2009 | 21%     | 65%        | 14%                 | 2494            |
| Jan 2009 | 21%     | 67%        | 12%                 | 1994            |
| Nov 2008 | 24%     | 60%        | 16%                 | 2482            |
| Oct 2008 | 25%     | 63%        | 12%                 | 1996            |
| Sep 2008 | 21%     | 67%        | 11%                 | 1990            |
| Aug 2008 | 26%     | 63%        | 11%                 | 1991            |
| May 2008 | 26%     | 57%        | 17%                 | 1991            |
| Apr 2008 | 26%     | 58%        | 16%                 | 2495            |
| Mar 2008 | 30%     | 55%        | 15%                 | 1988            |

**PPIC Statewide Survey  
Californians and the Environment - July 2018  
All Adults - Time Trends(cont.)**

Q3. Overall, do you approve or disapprove of  
the way that the California Legislature is  
handling its job?

|          | approve | disapprove | [VOL] don't<br>know | Unweighted<br>n |
|----------|---------|------------|---------------------|-----------------|
| Jan 2008 | 34%     | 53%        | 13%                 | 1988            |
| Dec 2007 | 41%     | 47%        | 12%                 | 1992            |
| Oct 2007 | 33%     | 50%        | 17%                 | 2490            |
| Sep 2007 | 34%     | 51%        | 15%                 | 1988            |
| Jun 2007 | 39%     | 40%        | 21%                 | 1987            |
| May 2007 | 37%     | 44%        | 19%                 | 1994            |
| Apr 2007 | 38%     | 44%        | 18%                 | 2483            |
| Mar 2007 | 41%     | 42%        | 17%                 | 1989            |
| Jan 2007 | 40%     | 44%        | 15%                 | 2006            |
| Oct 2006 | 30%     | 52%        | 18%                 | 1993            |
| Sep 2006 | 34%     | 50%        | 16%                 | 1994            |
| Aug 2006 | 31%     | 53%        | 16%                 | 1995            |
| May 2006 | 26%     | 54%        | 20%                 | 1988            |
| Mar 2006 | 25%     | 59%        | 16%                 | 1988            |
| Jan 2006 | 29%     | 57%        | 14%                 | 2000            |
| Jan 2006 | 24%     | 54%        | 22%                 | 2481            |
| Oct 2005 | 25%     | 56%        | 19%                 | 1993            |
| Sep 2005 | 32%     | 53%        | 15%                 | 1992            |
| Aug 2005 | 27%     | 56%        | 17%                 | 1993            |
| May 2005 | 26%     | 58%        | 16%                 | 1992            |
| Jan 2005 | 37%     | 50%        | 13%                 | 1993            |
| Oct 2004 | 43%     | 41%        | 16%                 | 2005            |
| Sep 2004 | 40%     | 46%        | 14%                 | 1988            |
| Aug 2004 | 42%     | 45%        | 13%                 | 1990            |
| Jun 2004 | 40%     | 44%        | 16%                 | 2498            |
| May 2004 | 40%     | 43%        | 17%                 | 1986            |
| Jan 2004 | 36%     | 45%        | 19%                 | 1981            |
| Aug 2003 | 28%     | 58%        | 14%                 | 1979            |
| Jun 2003 | 39%     | 44%        | 17%                 | 1976            |
| Feb 2003 | 36%     | 45%        | 19%                 | 1967            |
| Sep 2002 | 45%     | 36%        | 18%                 | 1967            |
| Jan 2002 | 49%     | 35%        | 16%                 | 1942            |
| Dec 2001 | 53%     | 29%        | 18%                 | 1952            |
| Jul 2001 | 45%     | 38%        | 18%                 | 1966            |
| Jan 2001 | 58%     | 27%        | 15%                 | 1960            |
| Sep 2000 | 56%     | 31%        | 12%                 | 1980            |

Note: Numbers may not add to 100 due to rounding

**PPIC Statewide Survey  
 Californians and the Environment - July 2018  
 All Adults - Time Trends**

Q4. Do you approve or disapprove of the way  
 that the California Legislature is handling  
 environmental issues in California?

|          | approve | disapprove | [VOL] don't<br>know | Unweighted<br>n |
|----------|---------|------------|---------------------|-----------------|
| Jul 2018 | 43%     | 41%        | 16%                 | 1704            |
| Jul 2017 | 51%     | 33%        | 16%                 | 1697            |
| Jul 2016 | 48%     | 36%        | 15%                 | 1688            |
| Jul 2015 | 42%     | 45%        | 13%                 | 1693            |
| Jul 2014 | 38%     | 44%        | 17%                 | 1685            |
| Jul 2013 | 38%     | 41%        | 21%                 | 2089            |
| Aug 2012 | 36%     | 44%        | 21%                 | 2476            |
| Jul 2011 | 31%     | 44%        | 24%                 | 2489            |

Note: Numbers may not add to 100 due to rounding



**PPIC Statewide Survey  
Californians and the Environment - July 2018  
All Adults - Time Trends**

Q13. Next, would you say that the supply of water is a big problem, somewhat of a problem, or not much of a problem in your part of California?

|          | big problem | somewhat of a problem | not much of a problem | [VOL] don't know | Unweighted n |
|----------|-------------|-----------------------|-----------------------|------------------|--------------|
| Jul 2018 | 48%         | 24%                   | 25%                   | 2%               | 1708         |
| Mar 2018 | 45%         | 23%                   | 31%                   | 1%               | 1705         |
| Jul 2017 | 37%         | 27%                   | 34%                   | 1%               | 1705         |
| Jul 2016 | 62%         | 24%                   | 13%                   | 1%               | 1703         |
| Mar 2016 | 57%         | 23%                   | 19%                   | 0%               | 1708         |
| Sep 2015 | 70%         | 19%                   | 10%                   | 1%               | 1707         |
| Jul 2015 | 68%         | 20%                   | 12%                   | 1%               | 1701         |
| Jun 2015 | 69%         | 20%                   | 10%                   | 1%               | 1705         |
| Mar 2015 | 66%         | 19%                   | 14%                   | 1%               | 1705         |
| Jan 2015 | 59%         | 25%                   | 15%                   | 1%               | 1702         |
| Dec 2014 | 60%         | 21%                   | 18%                   | 1%               | 1700         |
| Oct 2014 | 68%         | 17%                   | 13%                   | 1%               | 1703         |
| Sep 2014 | 65%         | 22%                   | 12%                   | 1%               | 1701         |
| Jul 2014 | 54%         | 25%                   | 21%                   | 1%               | 1704         |
| May 2014 | 59%         | 26%                   | 15%                   | 1%               | 1699         |
| Mar 2014 | 55%         | 20%                   | 23%                   | 1%               | 1700         |
| Dec 2012 | 31%         | 28%                   | 39%                   | 2%               | 2001         |
| Mar 2012 | 30%         | 31%                   | 37%                   | 2%               | 1999         |
| May 2010 | 42%         | 27%                   | 29%                   | 2%               | 2000         |
| Dec 2009 | 44%         | 29%                   | 25%                   | 2%               | 2003         |

Note: Numbers may not add to 100 due to rounding

**PPIC Statewide Survey  
Californians and the Environment - July 2018  
All Adults - Time Trends**

Q15. We are interested in the part of California that you live in.  
Would you say that air pollution is a big problem, somewhat of a  
problem, or not a problem in your part of California?

|          | big problem | somewhat of<br>a problem | not a<br>problem | [VOL] don't<br>know | Unweighted<br>n |
|----------|-------------|--------------------------|------------------|---------------------|-----------------|
| Jul 2018 | 29%         | 37%                      | 33%              | 1%                  | 1710            |
| Jul 2017 | 24%         | 38%                      | 36%              | 1%                  | 1708            |
| Jul 2016 | 25%         | 35%                      | 39%              | 1%                  | 1703            |
| Jul 2015 | 24%         | 34%                      | 41%              | 1%                  | 1701            |
| Jul 2014 | 27%         | 33%                      | 39%              | 0%                  | 1703            |
| Jul 2013 | 28%         | 34%                      | 36%              | 1%                  | 2102            |
| Aug 2012 | 25%         | 39%                      | 35%              | 1%                  | 2500            |
| Jul 2011 | 29%         | 37%                      | 33%              | 1%                  | 2504            |
| Jul 2010 | 25%         | 38%                      | 36%              | 1%                  | 2501            |
| Jul 2009 | 23%         | 40%                      | 36%              | 1%                  | 2498            |
| Jul 2008 | 34%         | 37%                      | 29%              | 0%                  | 2504            |
| Jul 2007 | 35%         | 37%                      | 27%              | 1%                  | 2495            |
| Jul 2006 | 41%         | 34%                      | 24%              | 1%                  | 2501            |
| Feb 2006 | 58%         | 31%                      | 9%               | 1%                  | 2002            |
| Jul 2005 | 38%         | 35%                      | 27%              | 1%                  | 2501            |
| Nov 2004 | 30%         | 37%                      | 31%              | 1%                  | 2501            |
| Jul 2004 | 35%         | 42%                      | 23%              | 0%                  | 2503            |
| Jun 2004 | 39%         | 35%                      | 26%              | 1%                  | 2504            |
| Jul 2003 | 31%         | 45%                      | 23%              | 1%                  | 1988            |
| Nov 2002 | 27%         | 33%                      | 39%              | 1%                  | 1973            |
| Jun 2002 | 34%         | 38%                      | 28%              | 1%                  | 1976            |
| May 2001 | 30%         | 34%                      | 36%              | 0%                  | 1986            |
| Jun 2000 | 28%         | 39%                      | 33%              | 1%                  | 1968            |

Note: Numbers may not add to 100 due to rounding

**PPIC Statewide Survey  
 Californians and the Environment - July 2018  
 All Adults - Time Trends**

Q16. Do you think that air pollution is a more serious health threat in lower-income areas than other areas in your part of California, or not?

|          | yes | no  | [VOL] don't know | Unweighted n |
|----------|-----|-----|------------------|--------------|
| Jul 2018 | 56% | 38% | 6%               | 1705         |
| Jul 2017 | 55% | 39% | 5%               | 1705         |
| Jul 2016 | 50% | 45% | 6%               | 1698         |
| Jul 2015 | 48% | 47% | 5%               | 1695         |
| Jul 2013 | 48% | 46% | 5%               | 2097         |
| Aug 2012 | 47% | 46% | 6%               | 2498         |
| Jul 2011 | 50% | 45% | 6%               | 2497         |
| Jul 2010 | 41% | 52% | 6%               | 2496         |
| Jul 2009 | 48% | 46% | 6%               | 2498         |
| Jul 2008 | 48% | 46% | 5%               | 2500         |
| Jul 2007 | 50% | 42% | 8%               | 2495         |
| Jul 2006 | 47% | 45% | 7%               | 2498         |

Note: Numbers may not add to 100 due to rounding

**PPIC Statewide Survey  
Californians and the Environment - July 2018  
All Adults - Time Trends**

Q17. On another topic, which of the following statements reflects your view of WHEN the effects of global warming will begin to happen?

|          | already begun | within a few years | within your lifetime | not within lifetime, but will affect future generations | will never happen | [VOL] don't know |
|----------|---------------|--------------------|----------------------|---|-------------------|------------------|
| Jul 2018 | 67%           | 5%                 | 5%                   | 10%   | 8%                | 5%               |
| Jul 2017 | 66%           | 5%                 | 5%                   | 11%   | 8%                | 4%               |
| Jul 2016 | 64%           | 5%                 | 6%                   | 14%   | 8%                | 2%               |
| Jul 2015 | 62%           | 6%                 | 5%                   | 13%   | 10%               | 4%               |
| Jul 2014 | 62%           | 4%                 | 7%                   | 12%   | 12%               | 3%               |
| Jul 2013 | 63%           | 5%                 | 6%                   | 11%   | 11%               | 4%               |
| Aug 2012 | 60%           | 5%                 | 6%                   | 14%   | 12%               | 3%               |
| Jul 2011 | 61%           | 4%                 | 7%                   | 11%   | 12%               | 5%               |
| Jul 2010 | 54%           | 6%                 | 8%                   | 14%   | 16%               | 3%               |
| Jul 2009 | 61%           | 5%                 | 6%                   | 11%   | 14%               | 3%               |
| Jul 2008 | 64%           | 5%                 | 8%                   | 10%   | 10%               | 3%               |
| Jul 2007 | 66%           | 4%                 | 7%                   | 11%   | 7%                | 5%               |
| Jul 2006 | 63%           | 6%                 | 7%                   | 10%   | 8%                | 5%               |
| Jul 2005 | 57%           | 5%                 | 9%                   | 15%   | 9%                | 6%               |

**PPIC Statewide Survey  
Californians and the Environment - July 2018  
All Adults - Time Trends(cont.)**

|          | Unweighted n |
|----------|--------------|
| Jul 2018 | 1695         |
| Jul 2017 | 1696         |
| Jul 2016 | 1687         |
| Jul 2015 | 1689         |
| Jul 2014 | 1693         |
| Jul 2013 | 2091         |
| Aug 2012 | 2490         |
| Jul 2011 | 2497         |
| Jul 2010 | 2495         |
| Jul 2009 | 2497         |
| Jul 2008 | 2501         |
| Jul 2007 | 2483         |
| Jul 2006 | 2498         |
| Jul 2005 | 2497         |

(cont.)

Note: Numbers may not add to 100 due to rounding

**PPIC Statewide Survey  
 Californians and the Environment - July 2018  
 All Adults - Time Trends**

Q18. How serious of a threat is global warming to the economy and quality of life for California's future - do you think that it is a very serious, somewhat serious, not too serious, or not at all serious of a threat?

|          | very serious | somewhat serious | not too serious | not at all serious | [VOL] don't know | Unweighted n |
|----------|--------------|------------------|-----------------|--------------------|------------------|--------------|
| Jul 2018 | 56%          | 24%              | 9%              | 9%                 | 2%               | 1703         |
| Jul 2017 | 58%          | 23%              | 7%              | 10%                | 2%               | 1703         |
| Jul 2016 | 54%          | 27%              | 11%             | 7%                 | 1%               | 1698         |
| Jul 2015 | 52%          | 27%              | 8%              | 9%                 | 3%               | 1693         |
| Dec 2014 | 53%          | 23%              | 11%             | 12%                | 2%               | 1696         |
| Jul 2014 | 49%          | 31%              | 9%              | 10%                | 1%               | 1698         |
| Jul 2013 | 50%          | 27%              | 11%             | 9%                 | 3%               | 2096         |
| Aug 2012 | 45%          | 30%              | 11%             | 12%                | 1%               | 2495         |
| Jul 2011 | 47%          | 28%              | 12%             | 11%                | 2%               | 2497         |
| Jul 2010 | 44%          | 29%              | 11%             | 14%                | 3%               | 2493         |
| Jul 2009 | 47%          | 28%              | 10%             | 14%                | 2%               | 2495         |
| Jul 2008 | 52%          | 27%              | 9%              | 9%                 | 2%               | 2500         |
| Jul 2007 | 54%          | 28%              | 8%              | 7%                 | 3%               | 2491         |
| Jul 2006 | 49%          | 30%              | 9%              | 8%                 | 3%               | 2499         |
| Jul 2005 | 39%          | 36%              | 12%             | 10%                | 3%               | 2499         |

Note: Numbers may not add to 100 due to rounding

**PPIC Statewide Survey  
 Californians and the Environment - July 2018  
 All Adults - Time Trends**

| Q19. Thinking about the possible impact of global warming in California, how concerned are you about more severe wildfires because of extreme weather? |                |                    |                   |                      |                  |              |
|--|----------------|--------------------|-------------------|----------------------|------------------|--------------|
|  | very concerned | somewhat concerned | not too concerned | not at all concerned | [VOL] don't know | Unweighted n |
| Jul 2018   | 62%            | 23%                | 7%                | 7%                   | 1%               | 1700         |
| Jul 2014   | 61%            | 25%                | 6%                | 8%                   | 1%               | 1698         |
| Jul 2013   | 57%            | 25%                | 9%                | 8%                   | 1%               | 2101         |
| Jul 2011   | 56%            | 25%                | 9%                | 10%                  | 1%               | 2500         |
| Jul 2009   | 59%            | 21%                | 8%                | 11%                  | 1%               | 2497         |

Note: Numbers may not add to 100 due to rounding

**PPIC Statewide Survey  
 Californians and the Environment - July 2018  
 All Adults - Time Trends**

Q21. Next, to address global warming, do you favor or oppose the state law that requires California to reduce its greenhouse gas emissions to 40 percent below 1990 levels by the year 2030?

|          | favor | oppose | [VOL] don't know | Unweighted n |
|----------|-------|--------|------------------|--------------|
| Jul 2018 | 67%   | 22%    | 11%              | 1703         |
| Jul 2017 | 72%   | 21%    | 7%               | 1702         |

Note: Numbers may not add to 100 due to rounding

**PPIC Statewide Survey  
 Californians and the Environment - July 2018  
 All Adults - Time Trends**

Q23. Do you favor or oppose the California state government making its own policies, separate from the federal government, to address the issue of global warming?

|          | favor | oppose | [VOL] don't know | Unweighted n |
|----------|-------|--------|------------------|--------------|
| Jul 2018 | 65%   | 28%    | 7%               | 1702         |
| Jul 2017 | 66%   | 28%    | 6%               | 1701         |
| Jan 2017 | 63%   | 33%    | 4%               | 1696         |
| Jul 2016 | 67%   | 26%    | 6%               | 1695         |
| Jul 2015 | 64%   | 28%    | 8%               | 1686         |
| Jul 2014 | 65%   | 30%    | 5%               | 1692         |
| Jul 2013 | 60%   | 32%    | 8%               | 2095         |
| Aug 2012 | 63%   | 31%    | 7%               | 2483         |
| Jul 2011 | 57%   | 33%    | 10%              | 2490         |
| Jul 2010 | 57%   | 35%    | 8%               | 2489         |
| Jul 2009 | 58%   | 34%    | 8%               | 2489         |
| Jul 2008 | 66%   | 28%    | 6%               | 2499         |
| Jul 2007 | 67%   | 26%    | 6%               | 2490         |
| Jul 2006 | 65%   | 27%    | 8%               | 2496         |
| Jul 2005 | 54%   | 37%    | 9%               | 2488         |

Note: Numbers may not add to 100 due to rounding



**PPIC Statewide Survey  
 Californians and the Environment - July 2018  
 All Adults - Time Trends**

Q24. When it comes to efforts to fight climate change, how important is it to you that California acts as a leader around the world - very important, somewhat important, not too important, or not important at all?

|          | very important | somewhat important | not too important | not important at all | [VOL] don't know | Unweighted n |
|----------|----------------|--------------------|-------------------|----------------------|------------------|--------------|
| Jul 2018 | 54%            | 24%                | 9%                | 12%                  | 1%               | 1706         |
| Jul 2017 | 58%            | 23%                | 7%                | 11%                  | 1%               | 1706         |

Note: Numbers may not add to 100 due to rounding

**PPIC Statewide Survey  
Californians and the Environment - July 2018  
All Adults - Time Trends**

Q25. Do you think that California doing things to reduce global warming in the future would cause there to be more jobs for people around the state, would cause there to be fewer jobs, or wouldn't affect the number of jobs

|          | more jobs | fewer jobs | wouldn't<br>affect the<br>number of<br>jobs | [VOL] don't<br>know | Unweighted<br>n |
|----------|-----------|------------|---|---------------------|-----------------|
| Jul 2018 | 48%       | 18%        | 23%   | 11%                 | 1705            |
| Jul 2017 | 50%       | 22%        | 19%   | 9%                  | 1698            |
| Jul 2016 | 40%       | 20%        | 29%   | 10%                 | 1694            |
| Dec 2015 | 45%       | 19%        | 27%   | 9%                  | 1693            |
| Jul 2015 | 38%       | 24%        | 26%   | 13%                 | 1693            |
| Dec 2014 | 43%       | 21%        | 29%   | 7%                  | 1692            |
| Jul 2014 | 39%       | 26%        | 27%   | 8%                  | 1692            |
| Jul 2013 | 45%       | 24%        | 21%   | 10%                 | 2092            |
| Aug 2012 | 42%       | 25%        | 25%   | 8%                  | 2485            |
| Jul 2011 | 47%       | 23%        | 20%   | 10%                 | 2496            |
| Sep 2010 | 44%       | 22%        | 25%   | 10%                 | 1994            |
| Jul 2010 | 45%       | 23%        | 24%   | 8%                  | 2492            |

Note: Numbers may not add to 100 due to rounding

**PPIC Statewide Survey  
 Californians and the Environment - July 2018  
 All Adults - Time Trends**

Q26. Do you think that California doing things to reduce global warming in the future would cause gasoline prices at the pump around the state to increase, or to decrease, or wouldn't affect gasoline prices at the pump around the state?

|          | increase<br>gasoline<br>prices | decrease<br>gasoline<br>prices | wouldn't<br>affect<br>gasoline<br>prices | [VOL] don't<br>know | Unweighted<br>n |
|----------|--------------------------------|--------------------------------|--|---------------------|-----------------|
| Jul 2018 | 56%                            | 16%                            | 17%                                      | 11%                 | 1703            |
| Jul 2017 | 54%                            | 18%                            | 19%                                      | 9%                  | 1699            |
| Jul 2016 | 59%                            | 14%                            | 20%                                      | 7%                  | 1696            |

Note: Numbers may not add to 100 due to rounding

**PPIC Statewide Survey  
 Californians and the Environment - July 2018  
 All Adults - Time Trends**

Q27. In order to help reduce global warming,  
 would you be willing or not willing to pay more  
 for electricity if it were generated by renewable  
 sources like solar or wind energy?

|          | willing | not willing | [VOL] don't<br>know | Unweighted<br>n |
|----------|---------|-------------|---------------------|-----------------|
| Jul 2018 | 50%     | 44%         | 6%                  | 1700            |
| Jul 2017 | 51%     | 45%         | 4%                  | 1691            |
| Jul 2016 | 56%     | 40%         | 4%                  | 1697            |

Note: Numbers may not add to 100 due to rounding

**PPIC Statewide Survey  
 Californians and the Environment - July 2018  
 All Adults - Time Trends**

Q28. How much, if anything, have you heard about the state government policy called 'cap-and-trade' that sets limits on greenhouse gas emissions? Have you heard a lot, a little, or nothing at all?

|          | a lot | a little | nothing at all | [VOL] don't know | Unweighted n |
|----------|-------|----------|----------------|------------------|--------------|
| Jul 2018 | 12%   | 34%      | 53%            | 0%               | 1711         |
| Jul 2017 | 11%   | 32%      | 56%            | 0%               | 1707         |
| Jul 2016 | 12%   | 33%      | 55%            | 1%               | 1703         |
| Jul 2014 | 13%   | 32%      | 55%            | 0%               | 1704         |
| Jul 2013 | 12%   | 33%      | 54%            | 1%               | 2103         |
| Aug 2012 | 12%   | 30%      | 57%            | 0%               | 2499         |
| Jul 2010 | 18%   | 27%      | 54%            | 0%               | 2500         |

Note: Numbers may not add to 100 due to rounding

**PPIC Statewide Survey  
 Californians and the Environment - July 2018  
 All Adults - Time Trends**

Q29. In the system called 'cap-and-trade,' the California state government issues permits limiting the amount of greenhouse gases companies can put out. Do you favor or oppose the cap-and-trade system?

|          | favor | oppose | [VOL] don't know | Unweighted n |
|----------|-------|--------|------------------|--------------|
| Jul 2018 | 50%   | 35%    | 15%              | 1703         |
| Jul 2017 | 56%   | 33%    | 11%              | 1697         |
| Jul 2016 | 54%   | 32%    | 13%              | 1694         |
| Jul 2014 | 51%   | 40%    | 9%               | 1698         |
| Aug 2012 | 53%   | 36%    | 11%              | 2477         |
| Jul 2011 | 54%   | 36%    | 11%              | 2491         |
| Jul 2010 | 50%   | 40%    | 10%              | 2480         |
| Jul 2009 | 49%   | 40%    | 11%              | 2486         |

Note: Numbers may not add to 100 due to rounding

**PPIC Statewide Survey  
 Californians and the Environment - July 2018  
 All Adults - Time Trends**

Q30. Next, how important to you is it that some of the cap-and-trade revenues are spent on projects to improve environmental conditions in lower-income and disadvantaged communities?

|          | very important | somewhat important | not too important | not important at all | [VOL] don't know | Unweighted n |
|----------|----------------|--------------------|-------------------|----------------------|------------------|--------------|
| Jul 2018 | 51%            | 29%                | 8%                | 10%                  | 3%               | 1698         |
| Jul 2017 | 54%            | 27%                | 7%                | 10%                  | 2%               | 1693         |
| Jul 2016 | 51%            | 30%                | 15%               | 0%                   | 3%               | 1692         |
| Jul 2013 | 52%            | 31%                | 15%               | 0%                   | 2%               | 2083         |

Note: Numbers may not add to 100 due to rounding

**PPIC Statewide Survey  
 Californians and the Environment - July 2018  
 All Adults - Time Trends**

Q31. Thinking about the overall health and quality of the ocean along the California coast today... would you rate them as excellent, good, fair or poor?

|          | excellent | good | fair | poor | [VOL] don't know | Unweighted n |
|----------|-----------|------|------|------|------------------|--------------|
| Jul 2018 | 9%        | 30%  | 38%  | 19%  | 4%               | 1709         |
| Feb 2006 | 4%        | 36%  | 42%  | 13%  | 6%               | 2002         |
| Nov 2003 | 3%        | 25%  | 46%  | 23%  | 4%               | 1994         |

Note: Numbers may not add to 100 due to rounding



**PPIC Statewide Survey  
 Californians and the Environment - July 2018  
 All Adults - Time Trends**

| Q33. How important is the condition of the ocean and beaches to the economy and quality of life for California's future? Is it very important, somewhat important, not too important, or not important at all? |                |                    |                   |                      |                  |              |
|--|----------------|--------------------|-------------------|----------------------|------------------|--------------|
|  | very important | somewhat important | not too important | not important at all | [VOL] don't know | Unweighted n |
| Jul 2018   | 74%            | 21%                | 2%                | 2%                   | 1%               | 1708         |
| Jul 2017   | 73%            | 22%                | 2%                | 2%                   | 1%               | 1708         |

Note: Numbers may not add to 100 due to rounding

**PPIC Statewide Survey  
 Californians and the Environment - July 2018  
 All Adults - Time Trends**

Q36. How about allowing more oil drilling off the  
 California coast? (Do you favor or oppose this  
 proposal?)

|          | favor | oppose | [VOL] don't<br>know | Unweighted<br>n |
|----------|-------|--------|---------------------|-----------------|
| Jul 2018 | 27%   | 67%    | 6%                  | 1709            |
| Jul 2017 | 25%   | 69%    | 5%                  | 1704            |
| Jul 2016 | 36%   | 59%    | 6%                  | 1698            |
| Jul 2015 | 38%   | 56%    | 6%                  | 1701            |
| Jul 2014 | 46%   | 51%    | 3%                  | 1703            |
| Jul 2013 | 41%   | 54%    | 5%                  | 2100            |
| Aug 2012 | 48%   | 48%    | 4%                  | 2497            |
| Jul 2011 | 46%   | 49%    | 5%                  | 2501            |
| Jul 2010 | 36%   | 59%    | 5%                  | 1247            |
| Jul 2009 | 51%   | 43%    | 6%                  | 2495            |
| Jul 2008 | 51%   | 45%    | 5%                  | 2499            |
| Jul 2007 | 41%   | 52%    | 7%                  | 2488            |
| Jul 2006 | 42%   | 51%    | 7%                  | 2499            |
| Feb 2006 | 31%   | 64%    | 5%                  | 1999            |
| Jul 2005 | 41%   | 53%    | 6%                  | 2495            |
| Jul 2004 | 44%   | 50%    | 7%                  | 2498            |
| Jul 2003 | 39%   | 54%    | 6%                  | 1984            |

Note: Numbers may not add to 100 due to rounding

**PPIC Statewide Survey  
 Californians and the Environment - July 2018  
 All Adults - Time Trends**

Q39. Overall, do you approve or disapprove of  
 the way that Donald Trump is handling his job  
 as president?

|          | approve | disapprove | [VOL] don't<br>know | Unweighted<br>n |
|----------|---------|------------|---------------------|-----------------|
| Jul 2018 | 29%     | 66%        | 5%                  | 1689            |
| May 2018 | 30%     | 63%        | 7%                  | 1682            |
| Mar 2018 | 30%     | 65%        | 5%                  | 1688            |
| Jan 2018 | 26%     | 71%        | 3%                  | 1695            |
| Dec 2017 | 28%     | 68%        | 5%                  | 1687            |
| Sep 2017 | 27%     | 69%        | 4%                  | 1721            |
| Jul 2017 | 25%     | 71%        | 4%                  | 1696            |
| May 2017 | 27%     | 67%        | 6%                  | 1690            |
| Mar 2017 | 31%     | 61%        | 7%                  | 1685            |
| Jan 2017 | 30%     | 58%        | 12%                 | 1678            |

Note: Numbers may not add to 100 due to rounding

**PPIC Statewide Survey  
 Californians and the Environment - July 2018  
 All Adults - Time Trends**

Q40. Do you approve or disapprove of the way  
 that President Trump is handling environmental  
 issues in the United States?

|          | approve | disapprove | [VOL] don't<br>know | Unweighted<br>n |
|----------|---------|------------|---------------------|-----------------|
| Jul 2018 | 24%     | 67%        | 8%                  | 1694            |
| Jul 2017 | 22%     | 70%        | 8%                  | 1699            |

Note: Numbers may not add to 100 due to rounding

**PPIC Statewide Survey  
Californians and the Environment - July 2018  
All Adults - Time Trends**

| Q41. Overall, do you approve or disapprove of<br>the way the U.S. Congress is handling its job? |         |            |                     |                 |
|---|---------|------------|---------------------|-----------------|
|   | approve | disapprove | [VOL] don't<br>know | Unweighted<br>n |
| Jul 2018  | 20%     | 71%        | 9%                  | 1697            |
| May 2018  | 24%     | 66%        | 10%                 | 1684            |
| Mar 2018  | 29%     | 65%        | 6%                  | 1697            |
| Jan 2018  | 21%     | 72%        | 7%                  | 1698            |
| Dec 2017  | 22%     | 70%        | 8%                  | 1700            |
| Sep 2017  | 24%     | 70%        | 6%                  | 1726            |
| Jul 2017  | 24%     | 68%        | 8%                  | 1702            |
| May 2017  | 26%     | 66%        | 8%                  | 1695            |
| Mar 2017  | 36%     | 55%        | 9%                  | 1692            |
| Jan 2017  | 33%     | 58%        | 9%                  | 1689            |
| Oct 2016  | 31%     | 59%        | 10%                 | 1703            |
| Sep 2016  | 29%     | 65%        | 6%                  | 1699            |
| Jul 2016  | 28%     | 66%        | 6%                  | 1696            |
| May 2016  | 28%     | 67%        | 6%                  | 1696            |
| Mar 2016  | 24%     | 70%        | 6%                  | 1706            |
| Jan 2016  | 32%     | 63%        | 5%                  | 1694            |
| Dec 2015  | 26%     | 67%        | 7%                  | 1697            |
| Sep 2015  | 32%     | 62%        | 7%                  | 1702            |
| Jul 2015  | 29%     | 63%        | 9%                  | 1690            |
| Jun 2015  | 27%     | 68%        | 5%                  | 1701            |
| Mar 2015  | 24%     | 69%        | 7%                  | 1694            |
| Jan 2015  | 38%     | 55%        | 7%                  | 1700            |
| Oct 2014  | 24%     | 68%        | 8%                  | 1689            |
| Sep 2014  | 24%     | 66%        | 10%                 | 1682            |
| Jul 2014  | 22%     | 72%        | 6%                  | 1690            |
| May 2014  | 24%     | 69%        | 7%                  | 1697            |
| Mar 2014  | 19%     | 74%        | 7%                  | 1695            |
| Jan 2014  | 26%     | 69%        | 5%                  | 1702            |
| Dec 2013  | 18%     | 76%        | 6%                  | 1693            |
| Sep 2013  | 28%     | 65%        | 8%                  | 1682            |
| Jul 2013  | 30%     | 62%        | 7%                  | 2092            |
| May 2013  | 31%     | 62%        | 6%                  | 1696            |
| Mar 2013  | 29%     | 67%        | 4%                  | 1696            |
| Jan 2013  | 34%     | 59%        | 7%                  | 1700            |
| Oct 2012  | 26%     | 67%        | 7%                  | 2000            |
| Sep 2012  | 27%     | 67%        | 7%                  | 1989            |
| Aug 2012  | 27%     | 66%        | 7%                  | 2485            |
| May 2012  | 22%     | 69%        | 8%                  | 1993            |
| Mar 2012  | 24%     | 68%        | 8%                  | 1992            |
| Jan 2012  | 25%     | 69%        | 5%                  | 1993            |
| Dec 2011  | 20%     | 75%        | 5%                  | 1988            |
| Sep 2011  | 27%     | 64%        | 9%                  | 1996            |
| Jul 2011  | 25%     | 65%        | 10%                 | 2495            |

**PPIC Statewide Survey  
 Californians and the Environment - July 2018  
 All Adults - Time Trends(cont.)**

Q41. Overall, do you approve or disapprove of  
 the way the U.S. Congress is handling its job?

|          | approve | disapprove | [VOL] don't<br>know | Unweighted<br>n |
|----------|---------|------------|---------------------|-----------------|
| Mar 2011 | 30%     | 58%        | 12%                 | 1988            |
| Oct 2010 | 31%     | 64%        | 5%                  | 1988            |
| Sep 2010 | 26%     | 66%        | 8%                  | 1990            |
| May 2010 | 31%     | 61%        | 8%                  | 1997            |
| Mar 2010 | 24%     | 68%        | 8%                  | 1992            |
| Jan 2010 | 36%     | 55%        | 9%                  | 1991            |
| Dec 2009 | 38%     | 54%        | 8%                  | 1994            |
| Sep 2009 | 39%     | 54%        | 7%                  | 2000            |
| May 2009 | 47%     | 43%        | 10%                 | 1998            |
| Mar 2009 | 43%     | 47%        | 10%                 | 1993            |
| Jan 2009 | 37%     | 56%        | 7%                  | 1997            |
| Oct 2008 | 23%     | 71%        | 6%                  | 1993            |
| Sep 2008 | 29%     | 63%        | 9%                  | 1991            |
| Aug 2008 | 27%     | 64%        | 9%                  | 1990            |
| Mar 2008 | 33%     | 55%        | 12%                 | 1992            |
| Dec 2007 | 31%     | 62%        | 7%                  | 1992            |
| Sep 2007 | 33%     | 57%        | 10%                 | 1990            |
| Jun 2007 | 33%     | 54%        | 13%                 | 1989            |
| Jan 2007 | 42%     | 44%        | 13%                 | 2006            |
| Sep 2006 | 37%     | 54%        | 9%                  | 1994            |
| Mar 2006 | 35%     | 54%        | 11%                 | 1992            |
| Oct 2005 | 42%     | 46%        | 11%                 | 1996            |

Note: Numbers may not add to 100 due to rounding

**PPIC Statewide Survey  
 Californians and the Environment - July 2018  
 All Adults - Time Trends**

Q42. Do you approve or disapprove of the way  
 the U.S. Congress is handling environmental  
 issues in the United States?

|          | approve | disapprove | [VOL] don't<br>know | Unweighted<br>n |
|----------|---------|------------|---------------------|-----------------|
| Jul 2018 | 23%     | 66%        | 10%                 | 1694            |
| Jul 2017 | 26%     | 63%        | 11%                 | 1699            |
| Jul 2016 | 31%     | 59%        | 10%                 | 1692            |
| Jul 2015 | 33%     | 55%        | 12%                 | 1693            |
| Jul 2014 | 24%     | 65%        | 11%                 | 1685            |
| Jul 2013 | 29%     | 59%        | 12%                 | 2089            |
| Aug 2012 | 27%     | 61%        | 12%                 | 2487            |
| Jul 2011 | 25%     | 60%        | 15%                 | 2494            |

Note: Numbers may not add to 100 due to rounding