Outline

- PPIC /Hewlett Survey Series
- Climate Change, Energy Policy, Air Pollution
- Environmental Politics and Preferences
- Conclusions
PPIC Statewide Survey Mission

- Provide timely, relevant, nonpartisan data on political, social, and economic opinions
- Inform and improve state policymaking, raise awareness, encourage discussion
- Provide a voice for all Californians in important state policy debates
  - 230,000+ Californians since 1998
  - 100+ general, issue, and regional surveys
Californians and the Environment

- Tenth survey on the environment
  - Funded by The Hewlett Foundation
- Perceptions and policy preferences on climate change, energy, air pollution; environmental politics and preferences
- Telephone interviews, July 6–20
  - 2,502 adults, including 1,321 likely voters
  - 2,252 landline phones, 250 cell phones
  - ± 2% margin of error for all adults
  - ± 2.7% for likely voters
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Perceived Onset of Global Warming

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 lifetime
- Will affect future generations
- Will never happen

2009:
- Already begun: 61%
- Within a few years: 5%
- Within lifetime: 6%
- Will affect future generations: 11%
- Will never happen: 14%

2010:
- Already begun: 54%
- Within a few years: 6%
- Within lifetime: 8%
- Will affect future generations: 14%
- Will never happen: 16%
Perceived Threat of Global Warming

How serious of a threat is global warming to the economy and quality of life for California’s future?

- **All adults**: 29% somewhat serious, 44% very serious
- **Dem**: 35% somewhat serious, 51% very serious
- **Rep**: 23% somewhat serious, 18% very serious
- **Ind**: 27% somewhat serious, 50% very serious
- **Likely voters**: 27% somewhat serious, 36% very serious
Regulating Greenhouse Gas Emissions

Do you think the government should or should not regulate the release of greenhouse gases from sources like power plants, cars, and factories in an effort to reduce global warming?

- **All adults**: 76% Should, 19% Should not
- **Dem**: 85% Should, 11% Should not
- **Rep**: 51% Should, 41% Should not
- **Ind**: 81% Should, 16% Should not
- **Likely voters**: 70% Should, 25% Should not
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?
Global Warming Solutions Act

To address global warming, do you favor or oppose the state law that requires California to reduce its greenhouse gas emissions back to 1990 levels by the year 2020?

- **All adults**: 67% Favor, 21% Oppose
- **Dem**: 80% Favor, 10% Oppose
- **Rep**: 39% Favor, 49% Oppose
- **Ind**: 73% Favor, 16% Oppose
- **Likely voters**: 61% Favor, 28% Oppose
To address global warming, do you favor or oppose the state law that requires California to reduce its greenhouse gas emissions back to 1990 levels by the year 2020?
Global Warming Policy and Jobs in California

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 for people around the state?

- More jobs
- Fewer jobs
- Wouldn't affect jobs

<table>
<thead>
<tr>
<th>Category</th>
<th>More jobs</th>
<th>Fewer jobs</th>
<th>Wouldn't affect jobs</th>
</tr>
</thead>
<tbody>
<tr>
<td>All adults</td>
<td>45%</td>
<td>23%</td>
<td>24%</td>
</tr>
<tr>
<td>Dem</td>
<td>57%</td>
<td>14%</td>
<td>21%</td>
</tr>
<tr>
<td>Rep</td>
<td>43%</td>
<td>24%</td>
<td>25%</td>
</tr>
<tr>
<td>Ind</td>
<td>50%</td>
<td>25%</td>
<td>18%</td>
</tr>
<tr>
<td>Likely voters</td>
<td>43%</td>
<td>28%</td>
<td>21%</td>
</tr>
</tbody>
</table>
Preferences for State Action on Greenhouse Gas Emissions

When it comes to the state government’s plans for reducing greenhouse gas emissions, should it take action right away or should it wait until the state economy and job situation improve to take action?

- **Take action right away**
- **Wait until economy/job situation improve**

<table>
<thead>
<tr>
<th>Category</th>
<th>Take action right away</th>
<th>Wait until economy/job situation improve</th>
</tr>
</thead>
<tbody>
<tr>
<td>All adults</td>
<td>53%</td>
<td>42%</td>
</tr>
<tr>
<td>Dem</td>
<td>63%</td>
<td>34%</td>
</tr>
<tr>
<td>Rep</td>
<td>27%</td>
<td>66%</td>
</tr>
<tr>
<td>Ind</td>
<td>55%</td>
<td>40%</td>
</tr>
<tr>
<td>Likely voters</td>
<td>48%</td>
<td>48%</td>
</tr>
</tbody>
</table>
Officials in the state and federal governments are discussing ways to address global warming. Please tell me if you favor or oppose the following plans to help reduce greenhouse gas emissions.

- Requiring an increase in the use of renewable energy by utilities: 85%
- Requiring a reduction in industrial emissions: 81%
- Requiring automakers to reduce emissions from new cars: 79%
Officials in the state and federal governments are discussing ways to address global warming. Please tell me if you favor or oppose the following plans to help reduce greenhouse gas emissions.

- Changing land use planning to reduce miles driven (77% favor)
- Requiring an increase in efficiency of buildings/appliances (75% favor)
Cap and Trade Vs. Carbon Tax

In the proposed system called “cap and trade...” Would you favor or oppose this system?

Would you favor or oppose a carbon tax on companies for their greenhouse gas emissions?

All adults

- Favor
- Oppose
- Don't know
Energy Policies

% saying favor

- Improved fuel efficiency
- More funding for renewable energy
- More nuclear power plants

<table>
<thead>
<tr>
<th></th>
<th>All adults</th>
<th>Dem</th>
<th>Rep</th>
<th>Ind</th>
<th>Likely voters</th>
</tr>
</thead>
<tbody>
<tr>
<td>Improved fuel efficiency</td>
<td>83</td>
<td>90</td>
<td>71</td>
<td>85</td>
<td>83</td>
</tr>
<tr>
<td>More funding for renewable energy</td>
<td>83</td>
<td>90</td>
<td>70</td>
<td>83</td>
<td>80</td>
</tr>
<tr>
<td>More nuclear power plants</td>
<td>44</td>
<td>36</td>
<td>67</td>
<td>51</td>
<td>53</td>
</tr>
</tbody>
</table>
Thinking about the country as a whole, to address the country’s energy needs and reduce dependence on foreign oil sources, do you favor or oppose the following proposals? How about allowing more oil drilling off the California coast?

![Graph showing percentage favoring and opposing offshore oil drilling in California from July 2003 to July 2010. The graph shows a general decline in support for oil drilling, with a significant increase in opposition in July 2010.]
Regional Air Pollution

Would you say that air pollution is a big problem, somewhat of a problem, or not a problem in your region?

- **Somewhat of a problem**
- **Big problem**

### Regional Breakdown

- **All adults**: 38% somewhat of a problem, 25% big problem
- **Central Valley**: 42% somewhat of a problem, 29% big problem
- **SF Bay Area**: 40% somewhat of a problem, 14% big problem
- **Los Angeles**: 37% somewhat of a problem, 41% big problem
- **Orange/San Diego**: 43% somewhat of a problem, 10% big problem
- **Inland Empire**: 36% somewhat of a problem, 31% big problem
Satisfaction with Air Quality

How satisfied are you with the air quality in your region today?

<table>
<thead>
<tr>
<th>Group</th>
<th>Somewhat satisfied</th>
<th>Very satisfied</th>
</tr>
</thead>
<tbody>
<tr>
<td>All adults</td>
<td>47</td>
<td>22</td>
</tr>
<tr>
<td>Asians</td>
<td>53</td>
<td>18</td>
</tr>
<tr>
<td>Blacks</td>
<td>46</td>
<td>12</td>
</tr>
<tr>
<td>Latinos</td>
<td>48</td>
<td>19</td>
</tr>
<tr>
<td>Whites</td>
<td>46</td>
<td>26</td>
</tr>
</tbody>
</table>

20
Health Threat of Air Pollution

How serious of a health threat is air pollution in your region to you and your immediate family?

- Somewhat serious
- Very serious

<table>
<thead>
<tr>
<th>Region</th>
<th>Somewhat Serious</th>
<th>Very Serious</th>
</tr>
</thead>
<tbody>
<tr>
<td>All adults</td>
<td>33</td>
<td>17</td>
</tr>
<tr>
<td>Central Valley</td>
<td>34</td>
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<tr>
<td>SF Bay Area</td>
<td>30</td>
<td>9</td>
</tr>
<tr>
<td>Los Angeles</td>
<td>41</td>
<td>22</td>
</tr>
<tr>
<td>Orange/San Diego</td>
<td>29</td>
<td>13</td>
</tr>
<tr>
<td>Inland Empire</td>
<td>34</td>
<td>23</td>
</tr>
</tbody>
</table>
Perceptions of Disparities

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

% saying yes

All adults: 41%
Asians: 44%
Blacks: 47%
Latinos: 62%
Whites: 29%
Air Quality Policies

We are interested in knowing what people are willing to do in order to reduce air pollution in their region. Would you be willing to see tougher air pollution standards on...?

<table>
<thead>
<tr>
<th>Activity</th>
<th>% Saying Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diesel engine vehicles</td>
<td>75</td>
</tr>
<tr>
<td>Commercial and industrial activities</td>
<td>75</td>
</tr>
<tr>
<td>New passenger vehicles</td>
<td>70</td>
</tr>
<tr>
<td>Agriculture and farm activities</td>
<td>58</td>
</tr>
</tbody>
</table>
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Governor’s Approval Ratings

- Job overall
- Environmental issues

<table>
<thead>
<tr>
<th>Year</th>
<th>Job Overall</th>
<th>Environmental Issues</th>
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</thead>
<tbody>
<tr>
<td>July 04</td>
<td>57</td>
<td>39</td>
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<tr>
<td>July 05</td>
<td>34</td>
<td>32</td>
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<td>July 06</td>
<td>42</td>
<td>39</td>
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<td>July 07</td>
<td>52</td>
<td>47</td>
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<td>July 08</td>
<td>46</td>
<td>43</td>
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<td>July 09</td>
<td>35</td>
<td>28</td>
</tr>
<tr>
<td>July 10</td>
<td>34</td>
<td>25</td>
</tr>
</tbody>
</table>

%
President’s Approval Ratings

<table>
<thead>
<tr>
<th></th>
<th>July 09</th>
<th>July 10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Job overall</td>
<td>65</td>
<td>56</td>
</tr>
<tr>
<td>Environmental issues</td>
<td>58</td>
<td>49</td>
</tr>
</tbody>
</table>
Government Action on Global Warming

Overall, do you think that the ... is doing more than enough, just enough, or not enough to address global warming?

<table>
<thead>
<tr>
<th></th>
<th>Federal government</th>
<th>State government</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not enough</td>
<td>52</td>
<td>48</td>
</tr>
<tr>
<td>Just enough</td>
<td>28</td>
<td>29</td>
</tr>
<tr>
<td>More than enough</td>
<td>14</td>
<td>16</td>
</tr>
</tbody>
</table>

Overall, do you think that the federal or state government is doing more than enough, just enough, or not enough to address global warming?
Global Warming Policy and Jobs in the U.S.

Do you think that the United States doing things to reduce global warming in the future would cause there to be more jobs for people around the country, would cause there to be fewer jobs, or wouldn’t affect the number of jobs for people around the country?

*Stanford Global Warming Poll, June 2010
Oil Spill in the Gulf of Mexico

How much confidence do you have in the federal government to make the right decisions in dealing with the oil spill in the Gulf of Mexico?

- Great deal: 36
- Good amount: 13
- Just some: 8
- None at all: 2
- Don't know: 2

How confident are you that the federal government can prevent another oil spill like the one in the Gulf of Mexico?

- Very confident: 37
- Fairly confident: 3
- Not very confident: 7
- Not confident at all: 3
- Don't know: 32

All adults
2010 Elections and Environmental Positions

In thinking about the California ... in November, how important to you are the candidates’ positions on the environment—such as air pollution, global warming, and energy policy—in determining your vote?

Governor’s election

 Likely voters

U.S. Senate election

Very important
Somewhat important
Not too important
Governor’s Race

If the November 2nd election for governor were being held today, would you vote for...?

- Jerry Brown, the Democrat: 37
- Meg Whitman, the Republican: 34
- Other candidates: 6
- Don't know: 23

Likely voters
U.S. Senate Race

If the November 2nd election for U.S. Senate were being held today, would you vote for...?

- Barbara Boxer, the Democrat: 39
- Carly Fiorina, the Republican: 34
- Other candidates: 5
- Don't know: 22

Likely voters
Conclusions

- Continuing concerns about climate change and support for policy actions
- Partisan divide on climate change policies and their economic impacts
- Many believe that action on climate change will result in more U.S. and California jobs
- Most believe that federal and state actions on climate change are inadequate
- Opposition to offshore oil drilling has increased sharply in the past year
- Environmental positions have an important role in close governor and U.S. Senate races
Upcoming PPIC Statewide Surveys

- September
  - *Californians and Their Government*

- October
  - *Californians and Their Government*

- November
  - *Californians and Higher Education*

- December
  - *Californians and Their Government*
PPIC Statewide Survey: Californians and the Environment

Mark Baldassare, Dean Bonner, Sonja Petek, Nicole Willcoxon

July 2010
Notes on the use of these slides

These slides were created to accompany a presentation. They do not include full documentation of sources, data samples, methods, and interpretations. To avoid misinterpretations, please contact us.

Questions? Contact survey@ppic.org


Thank you for your interest in this work.