

# False Hope

---

Why carbon capture  
and storage won't  
save the climate

---

[greenpeace.org](http://greenpeace.org)

GREENPEACE

Catalysing an energy revolution

# Contents

## Sections

<b>1. Executive summary</b>	<b>5</b>
<b>2. Introduction</b>	<b>9</b>
<b>3. CCS technically speaking</b>	<b>11</b>
<b>4. Lifting the smokescreen</b>	<b>17</b>
4.1 CCS cannot deliver in time to save the climate	17
4.2 CCS wastes energy	19
4.3 CCS storage – where will all the CO <sub>2</sub> go, will it stay there permanently?	21
4.4 CCS is too expensive	27
4.5 CCS and liability: risky business	30
<b>5. The world already has the real solutions to the climate crisis</b>	<b>37</b>

## List of tables

1. Geological trapping mechanisms	15
2. Geological storage capacity estimates	20
3. Performance of air-blown PC generating units with and without CCS	20
4. Impact of CCS system on resource consumption and emission rates	22
5. Cost ranges for components of CCS system	27

## List of figures

1. Trapping mechanisms	15
------------------------	----