



Addressing Climate Change

Arthur Lee, Chevron's Principal Advisor, Climate Change

Chevron is very interested in the climate change issue because it is an important issue that has to do with the kind of energy and the fuels that we produce that the world needs.

Ron Prinn, MIT Professor

Climate change is undoubtedly the greatest environmental threat that humanity has to face in the next 100 years. Chevron has been an early and strong supporter of the program that we've developed at MIT that integrates the science, the economics, the technology and the policy of this issue in ways that we hope will be exceedingly important in providing advice to policy makers going into the future.

Arthur Lee

The biggest challenge about climate change is that there is no one single answer, no one single solution. We really need to develop a whole host of technologies and also continue to improve our energy efficiency – continue to do that – but at the same time, develop new technologies. Now one of the new technologies that we've been looking to develop and deploy is CO₂ capture and storage. Carbon capture storage is all about capturing the carbon dioxide, or CO₂, that comes from power generation or from our industry, from refineries for example, and also from natural gas production. First the CO₂ is separated, and the captured CO₂ is compressed to a density that is very similar to a light liquid. Now after compression, the CO₂ is injected into suitable reservoirs beneath the earth. So what this means is that safely storing CO₂ underground will help reduce greenhouse gas emissions that come from energy production. Climate change is a very important issue. It is also a very complicated one. There are so many aspects to it that are challenging to me, and I wouldn't be doing this job if it weren't challenging.