



In November 2015 at the Conference of Paris, the Breakthrough Energy Coalition (BEC) was announced. These are what its members were saying at the time.

**Breakthrough
Energy** COALITION

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John Arnold
Co-chair, Laura and John Arnold Foundation
United States

"There is no greater challenge society faces than creating affordable clean energy innovations. However, private industry, government, and philanthropy are unlikely to succeed alone. The Breakthrough Energy Coalition recognizes that one sector's investments can complement another and lead to new technologies. Only by leveraging the strengths of each sector will the world find and develop new solutions to supply the rising demand for energy in an environmentally friendly way."

Marc Benioff
Founder, Chairman and CEO, Salesforce.com
United States

"We are facing the rising danger of climate change, and it has become clear to me that the solution will require significant innovation. We don't know what our energy mix will look like years from now, but we have to start inventing it today."

HRH Prince Alwaleed bin Talal
Chairman of the Board of Trustees, Alwaleed Philanthropies
Saudi Arabia

"I am pleased to announce my support to the Breakthrough Energy Coalition under the leadership of my friend, Bill Gates. The Alwaleed Philanthropies are dedicated to building sustainable communities around the world and it is imperative that a radical change is made in the way we generate and use energy in order to move towards a more sustainable world. I believe this coalition will aggressively address the dual challenge of satisfying increasing energy needs and combating climate change. Alternatives to current energy resources are urgently needed and research can play an essential role. I look forward to this new endeavor as a continuation of my meaningful and transformational alliance with Bill Gates."

Richard Branson
Founder, Virgin Group
United Kingdom

"The world needs to be carbon neutral by 2050. This CAN and HAS to be achieved by governments, business and others coming together to create an energy revolution. The Breakthrough Energy Coalition will help make this a reality. The next decade presents a great opportunity to invest in businesses and technology aimed at tackling climate change. We must produce an abundance of clean, renewable energy and drive further innovation to make the next generation of energy more efficient. It will benefit the environment, our society and the economy."

Aliko Dangote
Founder and Chief Executive, Dangote Group
Nigeria

"The Industrial Revolution was as much an energy revolution as a mechanical one. And while rightly called a revolution it wasn't instantaneous but involved an extended transformation in technology, innovation, practices, attitudes and policies that fed into and reinforced one another to generate positive externalities for the world economy. The world



urgently needs a new economic revolution driven yet again by adaptations in energy utilization, only this time with a greater consciousness of the environment and resource conservation. The high investment risk climate and upfront capital cost of energy investments, particularly renewables, are critical barriers to the development of energy markets. These require innovative financing mechanisms and innovative technology, combined with regulatory and policy interventions, to for instance close the estimated US\$547 Billion investment needed to deliver universal energy access to all the countries in Africa by the year 2030."

John Doerr
Chairman, Kleiner Perkins Caufield & Byers
United States

"We must rethink and reinvent our policies, technologies, businesses and behaviors for a zero-carbon energy future. And we must do so with speed—and at scale. I'm proud to join this group committed to find, fund, and accelerate these vital innovations for the world."

Bill Gates
Co-chair, Bill & Melinda Gates Foundation
United States

"We need to move to sources of energy that are affordable and reliable, and don't produce any carbon. The renewable technologies we have today, like wind and solar, have made a lot of progress and could be one path to a zero-carbon energy future. But given the scale of the challenge, we need to be exploring many different paths—and that means we also need to invent new approaches. Private companies will ultimately develop these energy breakthroughs, but their work will rely on the kind of basic research that only governments can fund. It is great to see so many government leaders and investors making these commitments and showing how the public and private sectors can come together to work on big problems. I am optimistic that we can invent the tools we need to generate clean, affordable, reliable energy that will help the poorest improve their lives and also stop climate change. I hope even more governments and investors will join us."

Reid Hoffman
Founder, LinkedIn and Partner, Greylock
United States

"Attempts to solve global problems frequently fail because they require collective action from governments, universities, and the private sector. Producing large-scale, reliable, affordable, and carbon-free energy is one of these key global problems. The swords that cut this Gordian Knot: breakthrough technologies built and deployed by entrepreneurial companies with global scope. Making the right investments in the right innovations now is essential to solving this energy challenge for current and future generations across the planet."

Chris Hohn
Founder, The Children's Investment Fund
United Kingdom

"I fully support the efforts of the Breakthrough Energy Coalition to help drive innovation in critical technologies necessary to fight the climate change battle. I have devoted my life to help children in poverty in developing countries but this work is every day made more difficult by global warming which impacts food security, access to water and health."

Jack Ma
Executive Chairman, Alibaba Group
China

"We should not waste precious time placing blame for today's environmental challenges. What we need to do is solve the problem together. A solution and a way forward will only come about by combining the efforts of government, private sector, scientists, sociologists, and philanthropists. We must work together to create the tools necessary to combat climate change for this generation and those to come after."

Patrice Motsepe



Founder and Executive Chairman, African Rainbow Minerals (ARM)
South Africa

"Africa's future is bright. To realize its full potential, the continent needs access to affordable, reliable and sustainable energy. The lack of access to reliable energy, limits the quality of life and potential for rapid economic development. We need an energy transformation driven by strong partnerships between business and governments, breakthrough innovations and the scale-up of investments that will reduce carbon emissions and meet the growing energy needs."

Hasso Plattner
Co-founder and Chairman, SAP
Germany

"Renewable energy addresses climate change and is essential for third world countries. The impact of climate change jeopardizes in particular farmers, who rely on bountiful harvest to support their families. What we need is cost-efficient, reliable and carbon-free energy to reach a sustainable solution to global climate problems. Thus, future investments should be a response to the growing demand for energy and at the same time encourage the development of green and renewable energy."

Neil Shen
Founding Managing Partner, Sequoia Capital China
China

"Technology has changed the way people live and work with many great Internet applications and it can play the same role in addressing climate change and energy issues. Private investors can bridge gaps between research developments and commercial products by backing visionary entrepreneurs in their early pursuits. China is well positioned to contribute its share of great technologies and innovations, like it has already done in the field of information technology, to solve the global climate issue and energy dilemma."

Tom Steyer
Businessman, Philanthropist, and President, NextGen Climate
United States

"Climate change is the challenge of our generation, but solving this crisis is an incredible opportunity to innovate and lead the world. Many of the solutions are already at hand but now, more than ever, we need a strong partnership between the public and private sectors to support the pioneering R&D that will accelerate our transition to a fully clean energy economy."

Ms. Zhang Xin
Co-founder and CEO, SOHO China
China

"Combating Climate Change is not just the responsibility of one person, or one Environmental Protection Bureau alone. It is a problem that can only be solved if everyone works towards a solution. It is important to change your own lifestyle, to live a healthier and more environmentally friendly life, and it is important for businesses to make strategic decisions to promote energy saving and decrease harmful emissions."

Mr. Pan Shiyi
Chairman, SOHO China
China

"Those of us living in modern society should have the courage to undertake responsibility for energy sustainability. One of the groups with the most responsibility is the real estate developers. Buildings consume a third to one half of all the energy that is consumed in a city. Just imagine that buildings "eat" half of our "food supply." If we can regulate energy consumption by buildings, then we have solved half of the energy issues faced by cities. This is why we launched the SOHO China Energy Saving Center in 2013."