Chevron’s View of the Next Generation of Global Energy

**Conventional Fuels**
Finding and Developing the Next Trillion Barrels

**Alternative Fuels**
Converting Unconventional Resources with Molecular Transformation

**Renewable Fuels**
Building Industrial-Scale, Sustainable Business Models
Chevron’s Fourth Major Business Strategy - Added 2006

“Invest in renewable energy technologies and capture profitable positions in important renewable sources of energy”

Conventional Geothermal Energy

Chevron has developed 26% of the world’s operating geothermal fields and operates the largest geothermal energy portfolio in the world.

Currently Operable Capacity (MW)

Chevron 26%
PNOC-EDC 25%
Other Private Company 49%
Government 26%
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**Chevron Renewable Energy**

*Virtual Organization & Plan*

- **Energy Solutions**
  - CES

- **Technology Ventures**
  - CTV

- **Global Power**
  - CGP

**“Invest in renewable energy technologies . . . capture profitable positions”**

- **Emerging**
- **Demonstration**
- **Commercial**

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**Chevron and Biofuels**

Established Biofuels unit in 2006 to advance technology and pursue commercial opportunities related to the production and distribution of biofuels in the United States.

CTV’s role is to incubate Chevron’s biofuels business for ultimate integration into Downstream.
Biofuels Business Unit

Activities

Weyerhaeuser LOI
- One of the world’s largest forest products companies
- Jointly assess the feasibility of commercializing the production of biofuels from cellulose-based sources

Research Alliances (focused on second generation)
- National Renewable Energy Laboratory
- Georgia Tech, UC Davis, Texas A&M and the Colorado Center for Biorefining & Biofuels

Chevron and Hydrogen

- Manages Chevron’s hydrogen initiatives and the company’s participation in federal and state hydrogen programs
- Positions Chevron appropriately by monitoring future H2 developments and maintaining organizational capability
- Demonstrates safe, practical hydrogen technologies in real-world settings
- Operating five demonstration refueling stations in U.S.
Other Renewable Technologies

- Concentrating Solar Power
- Ocean Power
- Unconventional Geothermal
- Biomass to Power

Source: Luz II