



## Chevron's Approach to Alternatives & Renewables

American Industrial Hygiene Association  
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Rick Zalesky

VP Biofuels & Hydrogen, Chevron Technology Ventures

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## 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



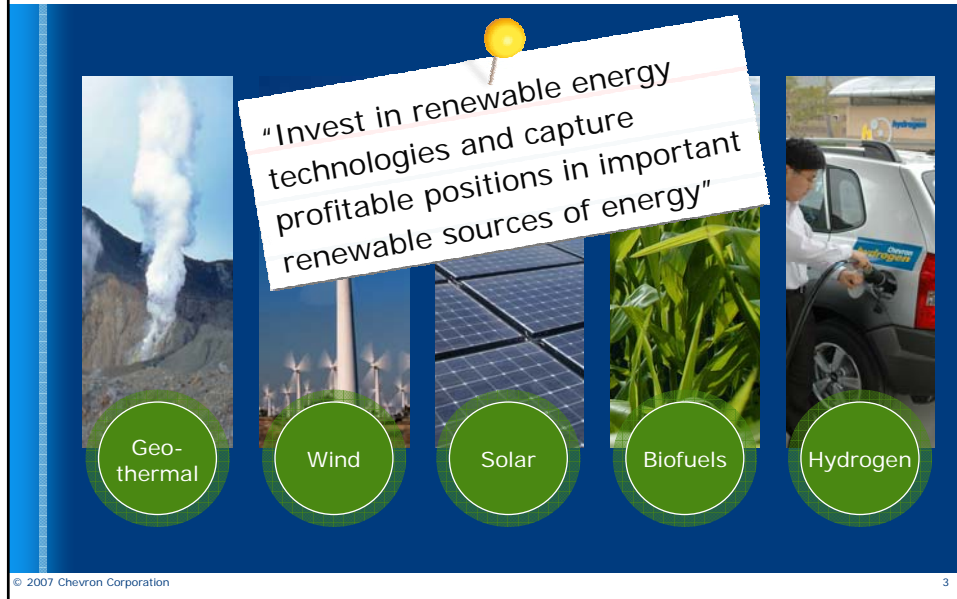
### Renewable Fuels

Building Industrial-Scale, Sustainable Business Models

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## Chevron's Fourth Major Business Strategy - Added 2006

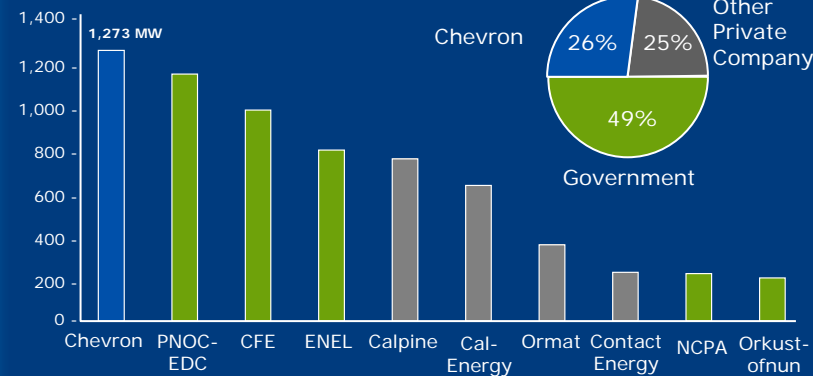


## Conventional Geothermal Energy



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

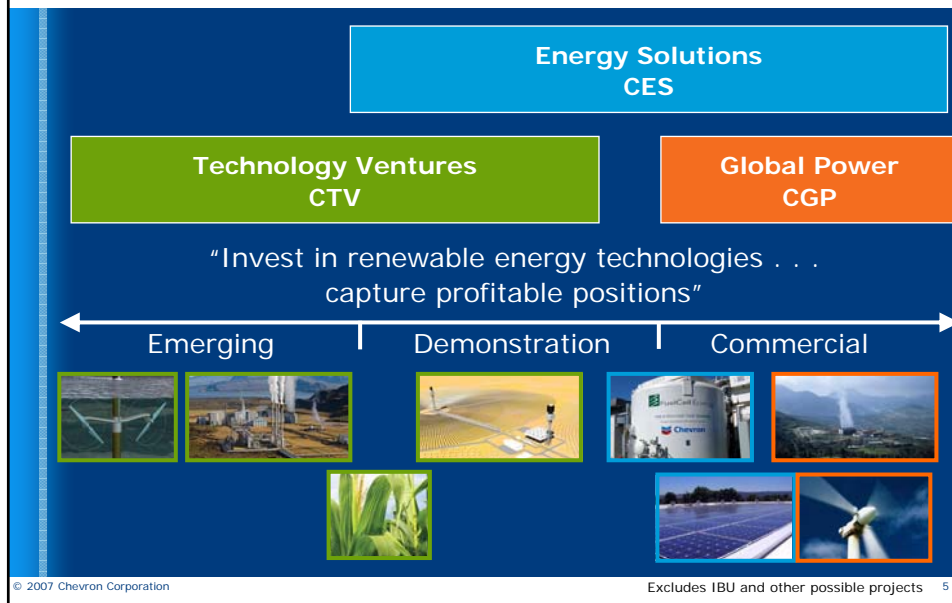
Currently Operable Capacity (MW)



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## Chevron Renewable Energy Virtual Organization & Plan



## 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

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## 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 H<sub>2</sub> developments and maintaining organizational capability
- Demonstrates safe, practical hydrogen technologies in real-world settings
- Operating five demonstration refueling stations in U.S.

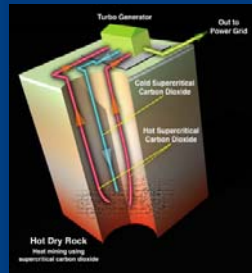
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## Other Renewable Technologies



### Unconventional Geothermal



### Concentrating Solar Power

Source: Luz II



### Biomass to Power

### Ocean Power

