



# IP Networks Transforming the Grid

Jan. 19 2009

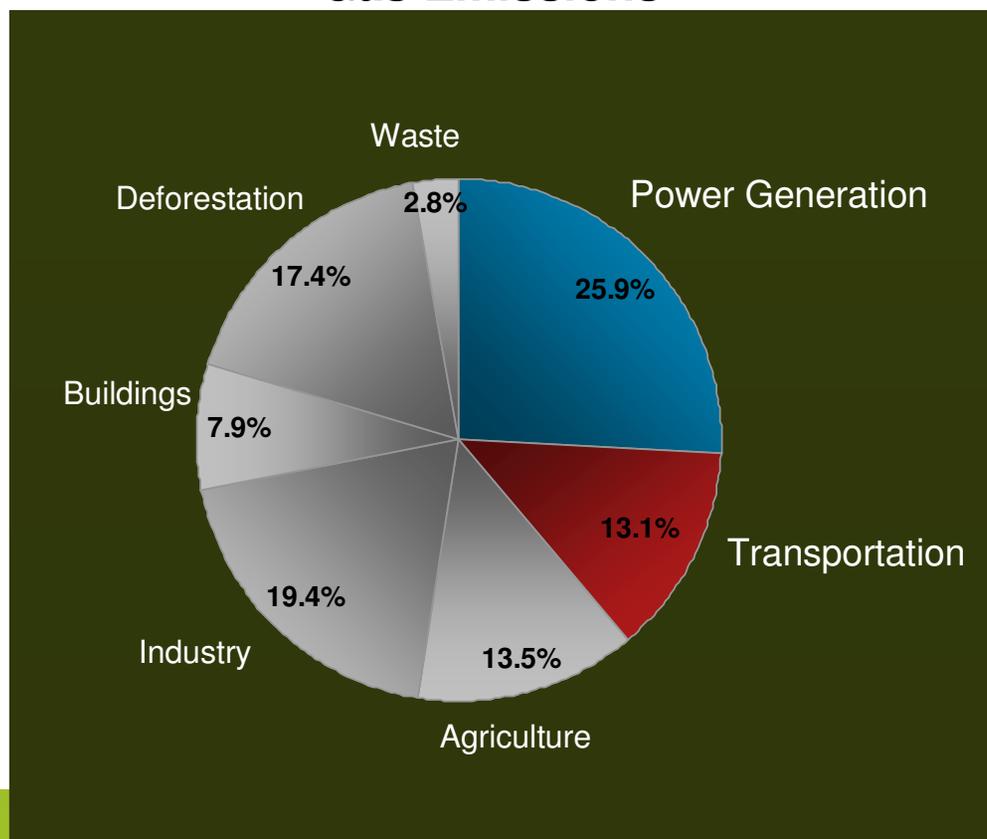


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# Carbon Reduction

## Contribute to a Greener, Sustainable World

### Sources of Global Greenhouse Gas Emissions



### Additional Effects

- Distributed Generation
- Self Sufficiency
- Reliability

Source: International Energy Agency; U.S. Department of Energy; Pacific Northwest National Laboratory, 2007; IPCC Fourth Assessment Report 2007; Cisco IBSG

# Economic Transformation

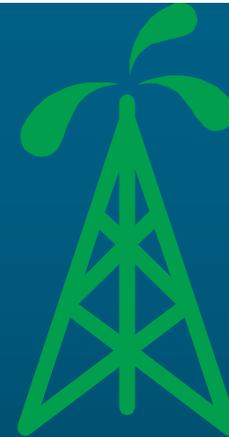
## Moving Investments to Local Economies

Today



2007 Automotive  
210 Million Cars  
7.665B Barrels Total  
4.445B Barrels Imported  
\$222B @ \$50 to Imports

\$2T



Future

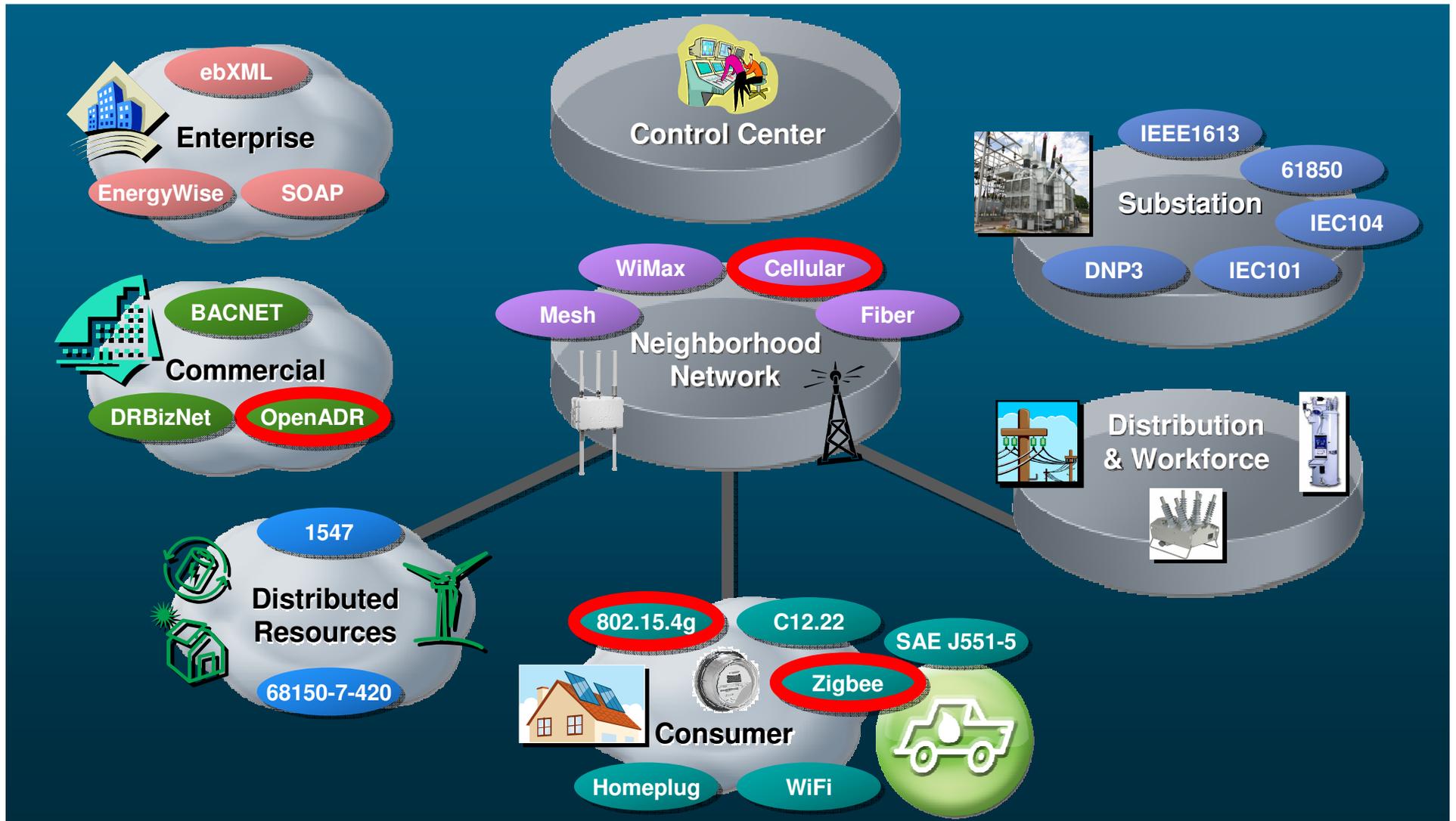


<http://www.eia.doe.gov/bookshelf/brochures/gasoline/index.html>

<http://www.eia.doe.gov/cneaf/electricity/epa/epat2p2.html>

# Regulatory Evolution

## Smart Grid Standards and Interoperability



# Evolution is Happening

## Energy Smart Meter Project

Keeping your lights on just got easier.

Get the most from our existing grid.

Support green power.



Fuel tomorrow's plug-in cars.



See what you're buying.



# Summary

- *Carbon Reduction*
- *Economic Transformation*
- *Standards and Interoperability*



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