

*You may be interested in the attached.  
If you have any questions, do not  
hesitate to call us at (212) 867-0052.*

## Presentation by

**John H. Lichtblau**

Chairman and CEO

Petroleum Industry Research Foundation, Inc.

to the

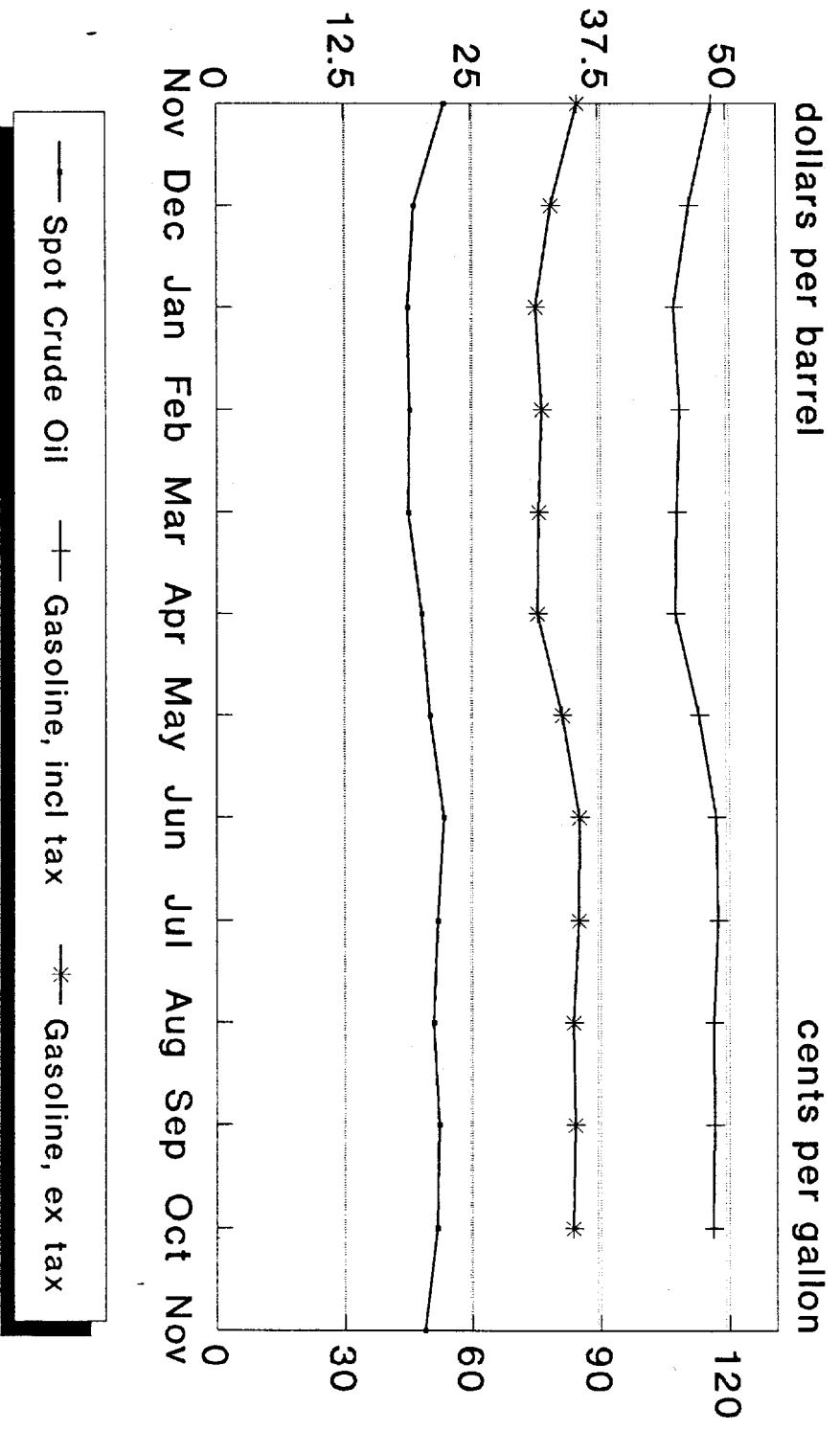
API National Field Operations Workshop  
Washington, D.C.

November 17, 1992

**PIRING**

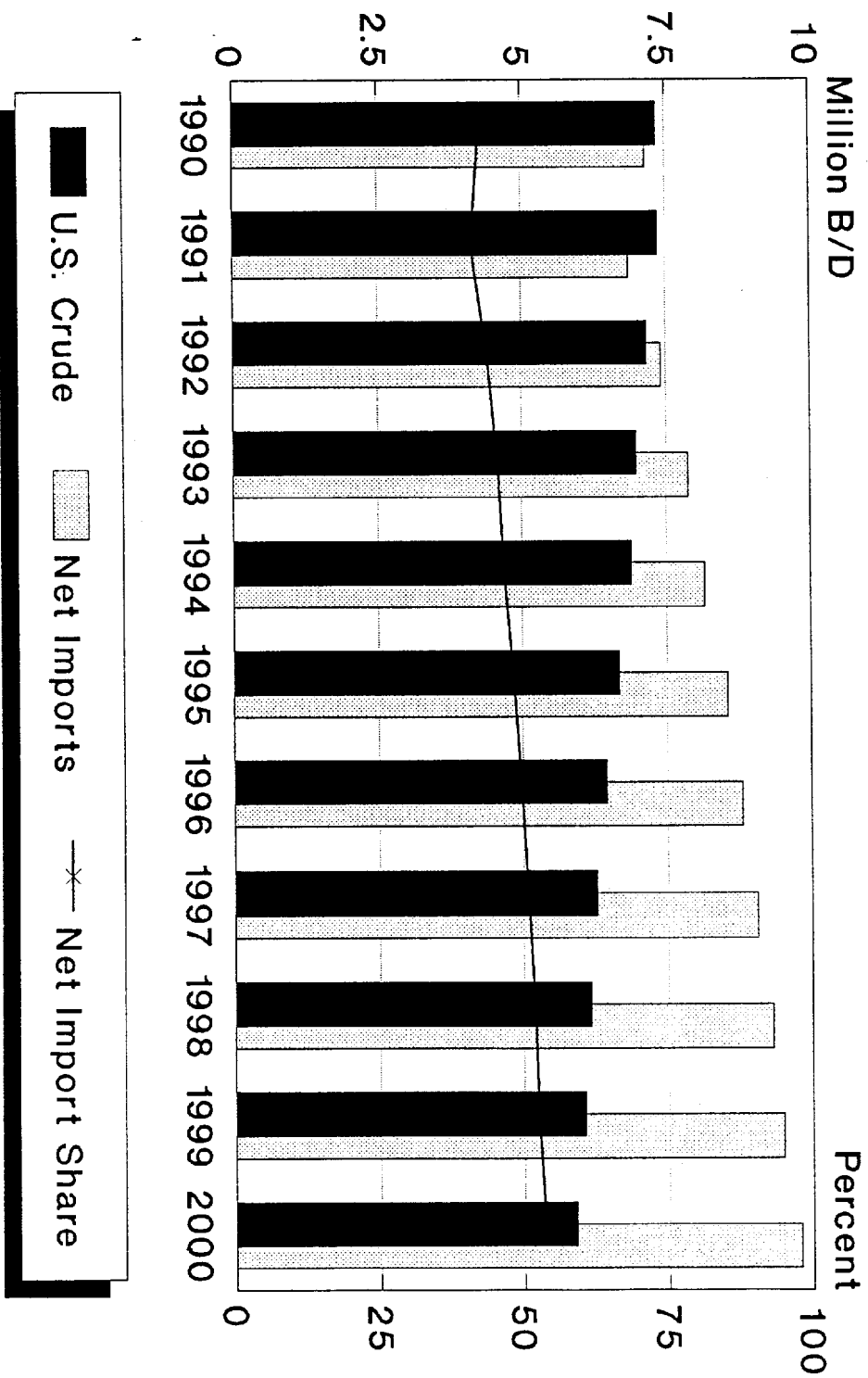
122 EAST 42ND STREET ■ NEW YORK, NY 10168

# Prices in the Last Year No News is Good News?



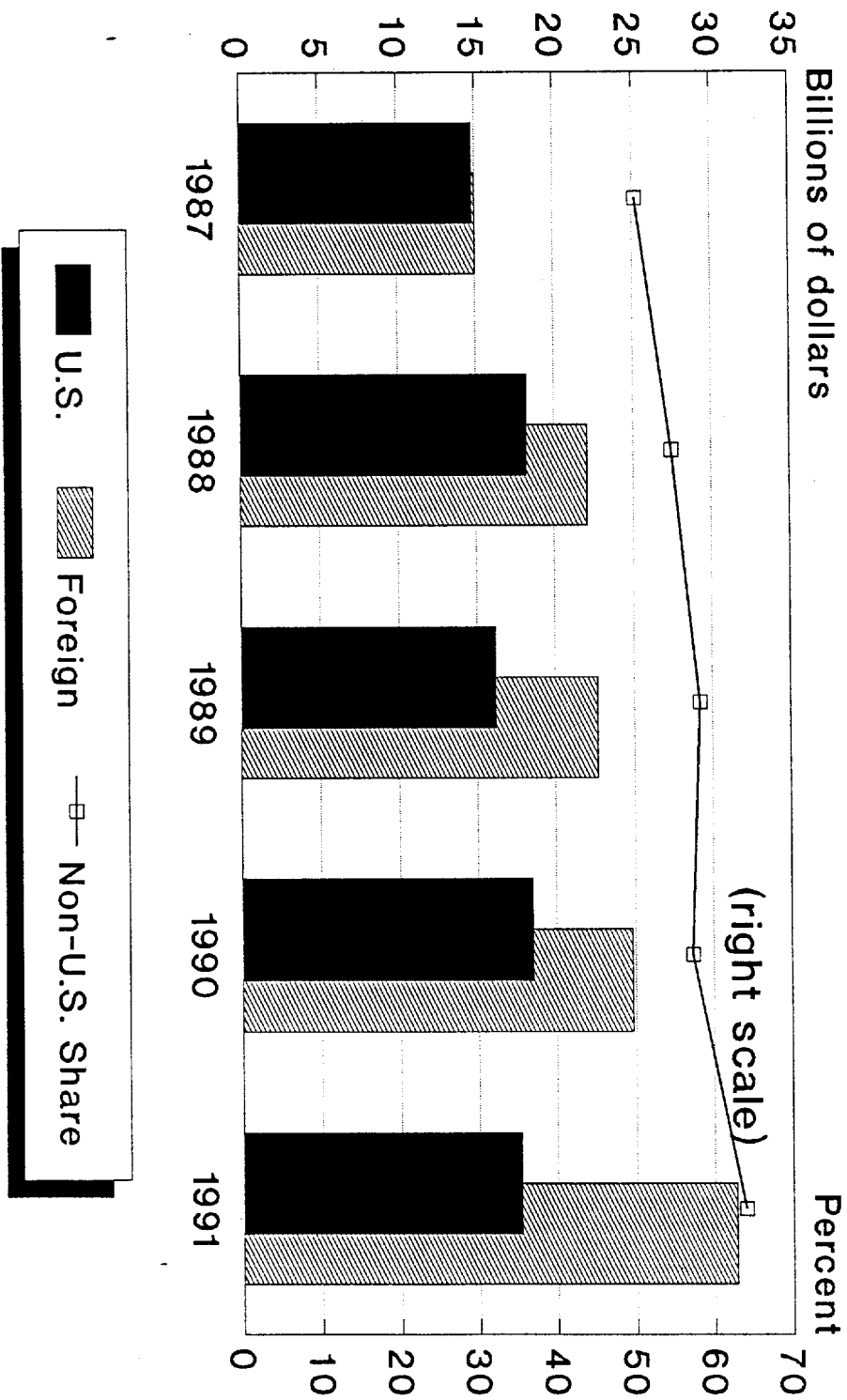
Gasoline prices for regular unleaded at the pump; crude oil at Cushing

# Oil Supply and Dependency: Production down, Imports up



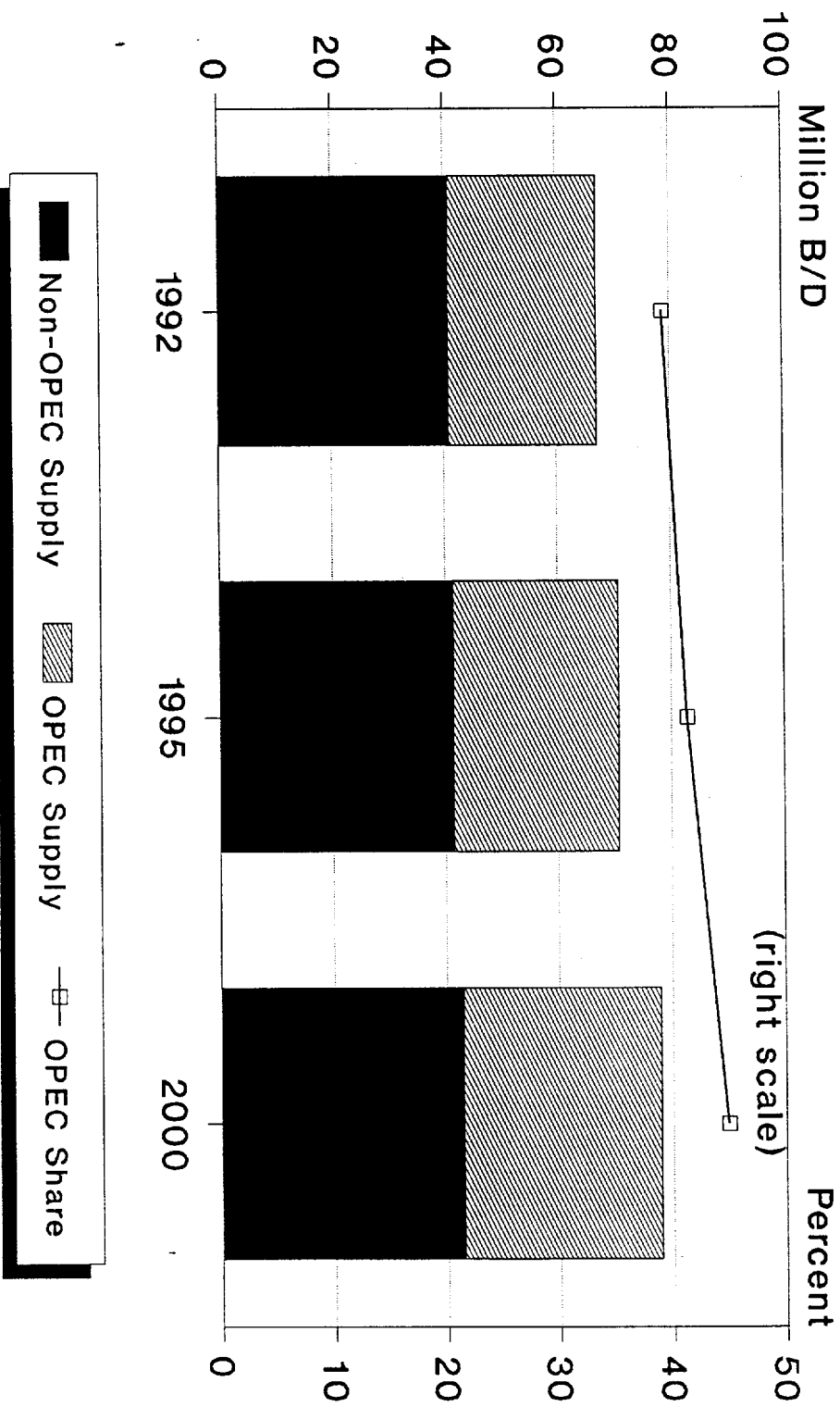
Source: DOE/EIA

# Upstream Expenditures, 1987-1991: Moving Abroad

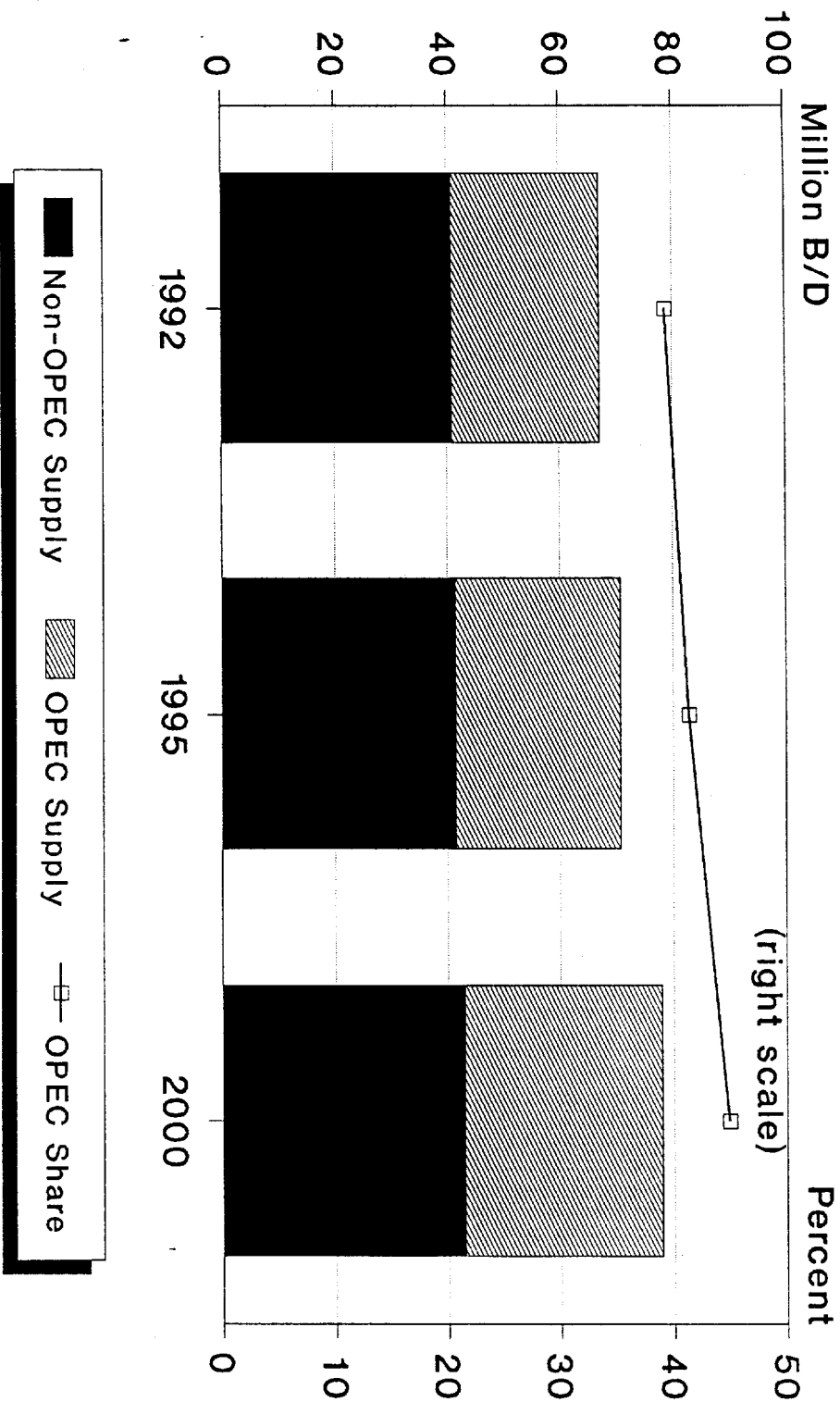


Source: Arthur Anderson data  
for 241 companies

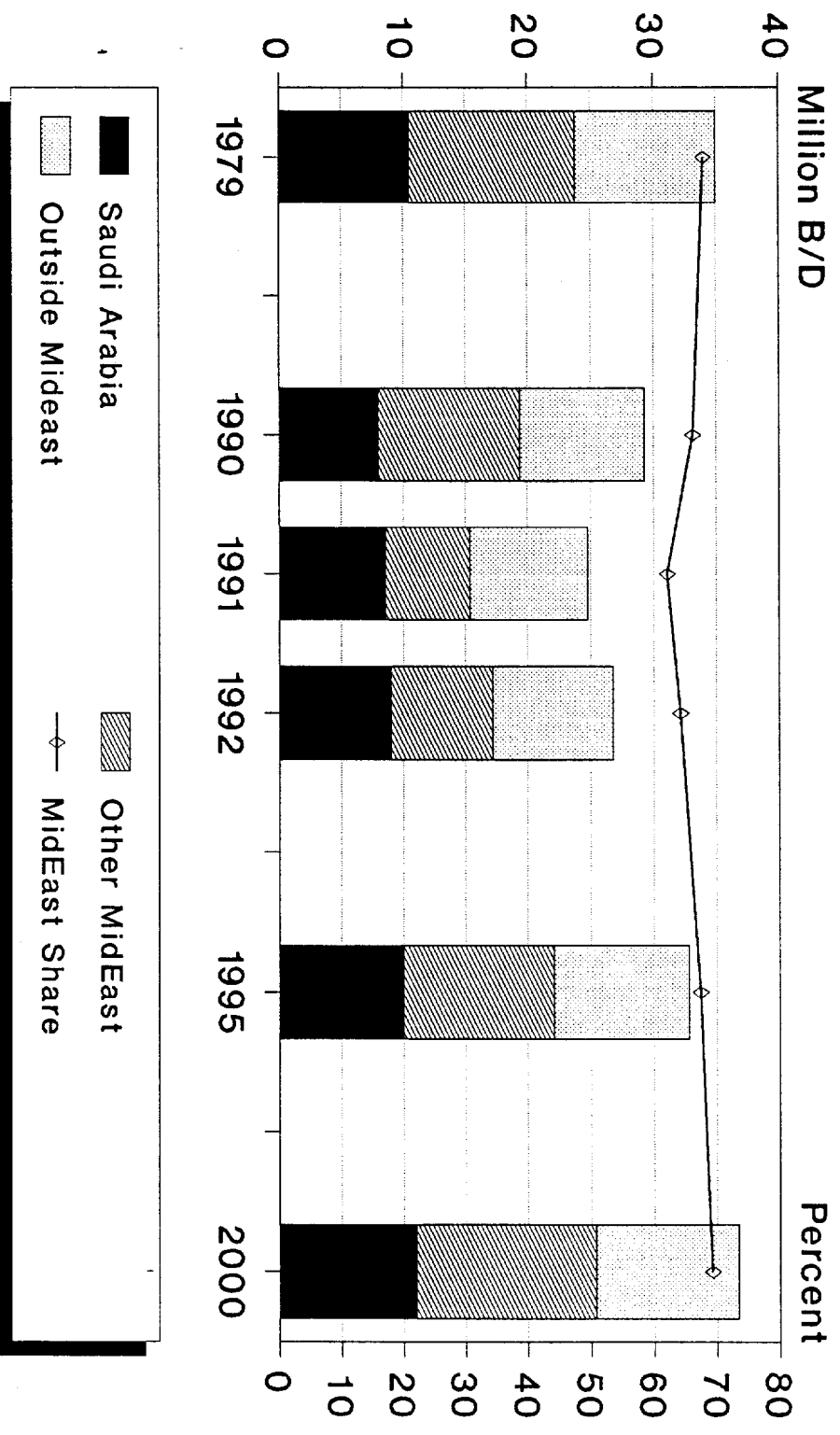
# OPEC's Share Grows, But Slowly



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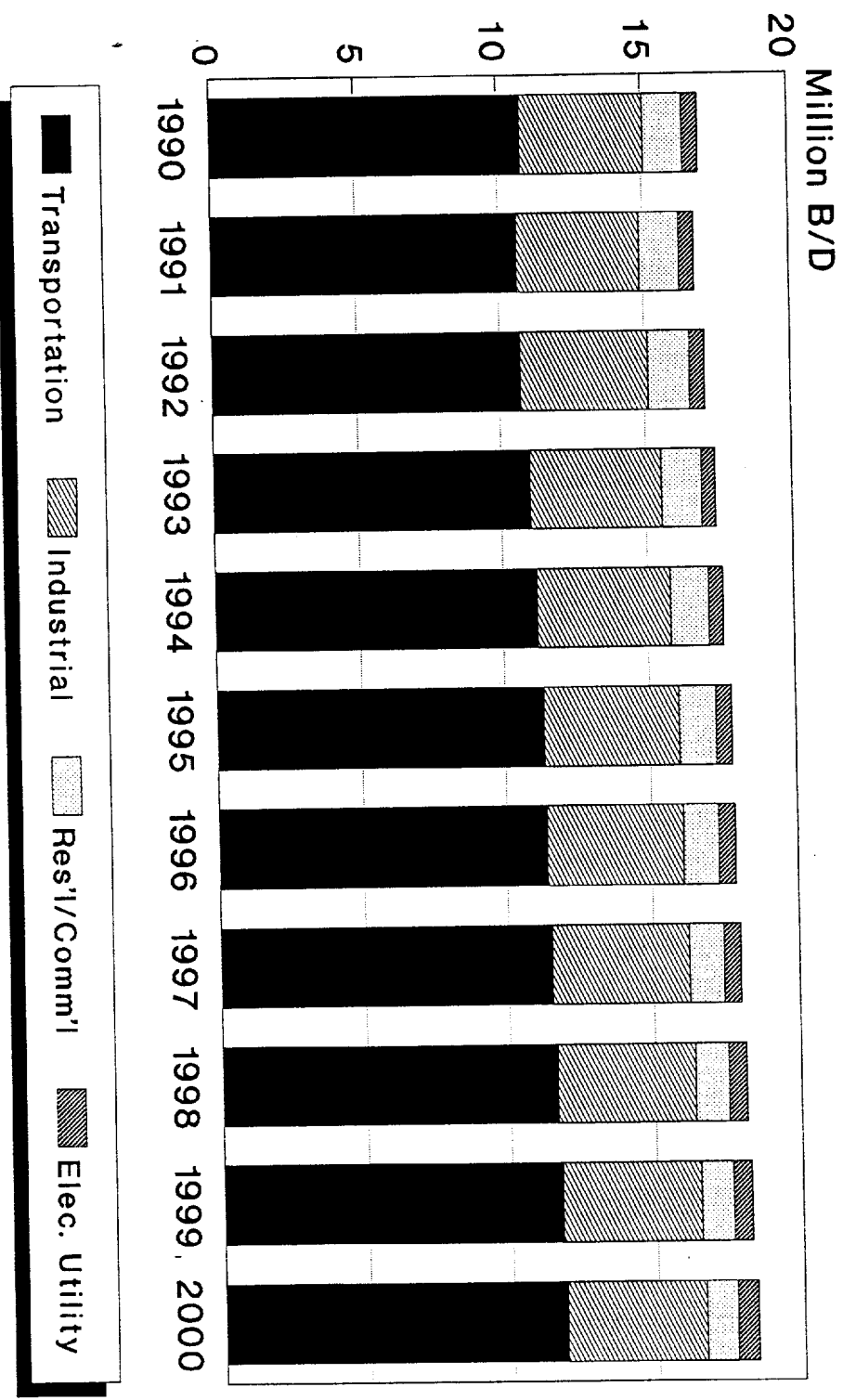


# OPEC Capacity: It Always Comes Back to the Middle East



# Petroleum Demand by Sector

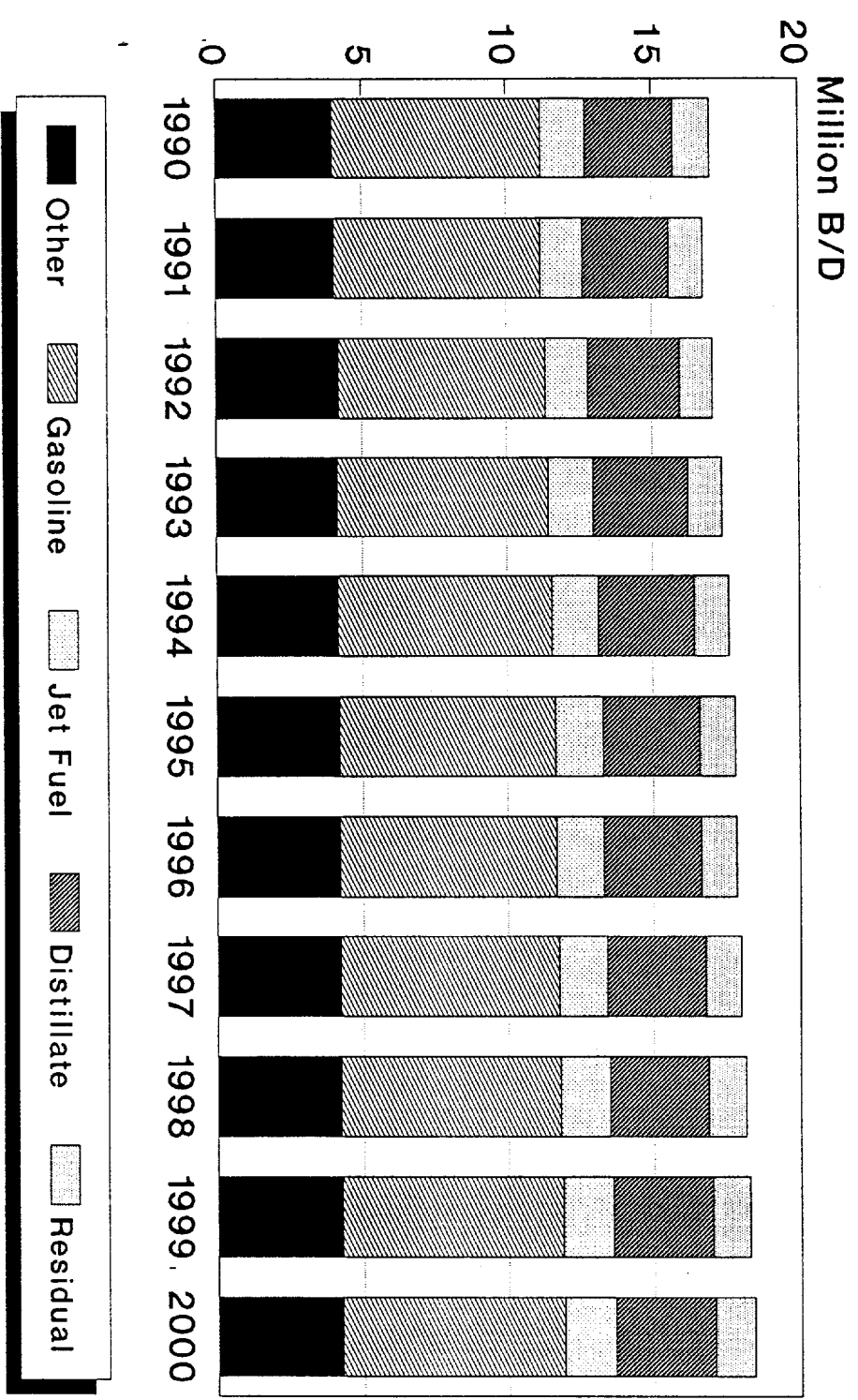
## Transportation dominates; heating falls



Source: DOE/EIA

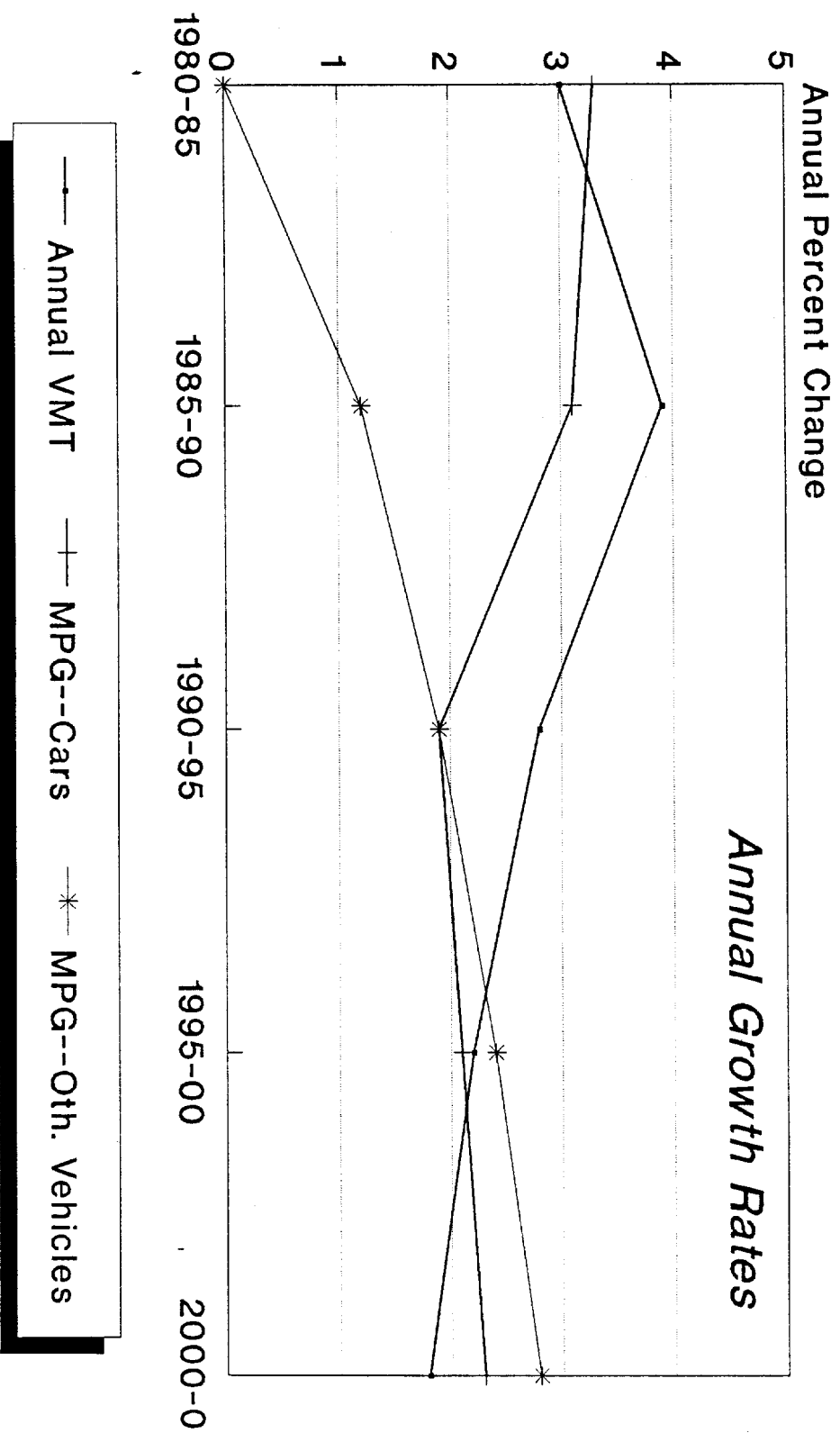


# Petroleum Demand by Product: Watch the Transportation Fuels



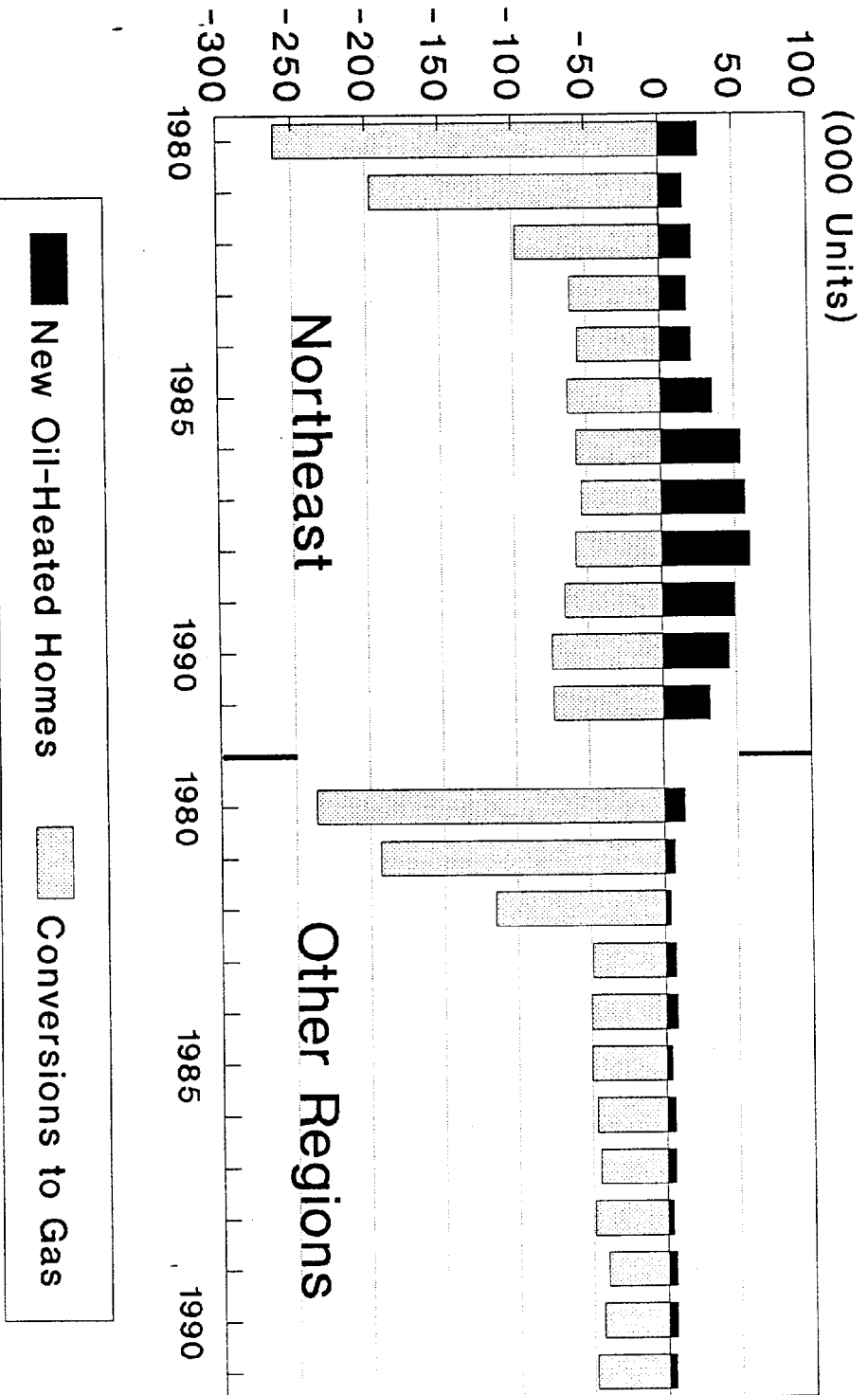
Source: DOE/EIA

# Petroleum Transportation Fuel Slowing Use and Efficiency Gains



VMT: Vehicle Miles Travelled Annually

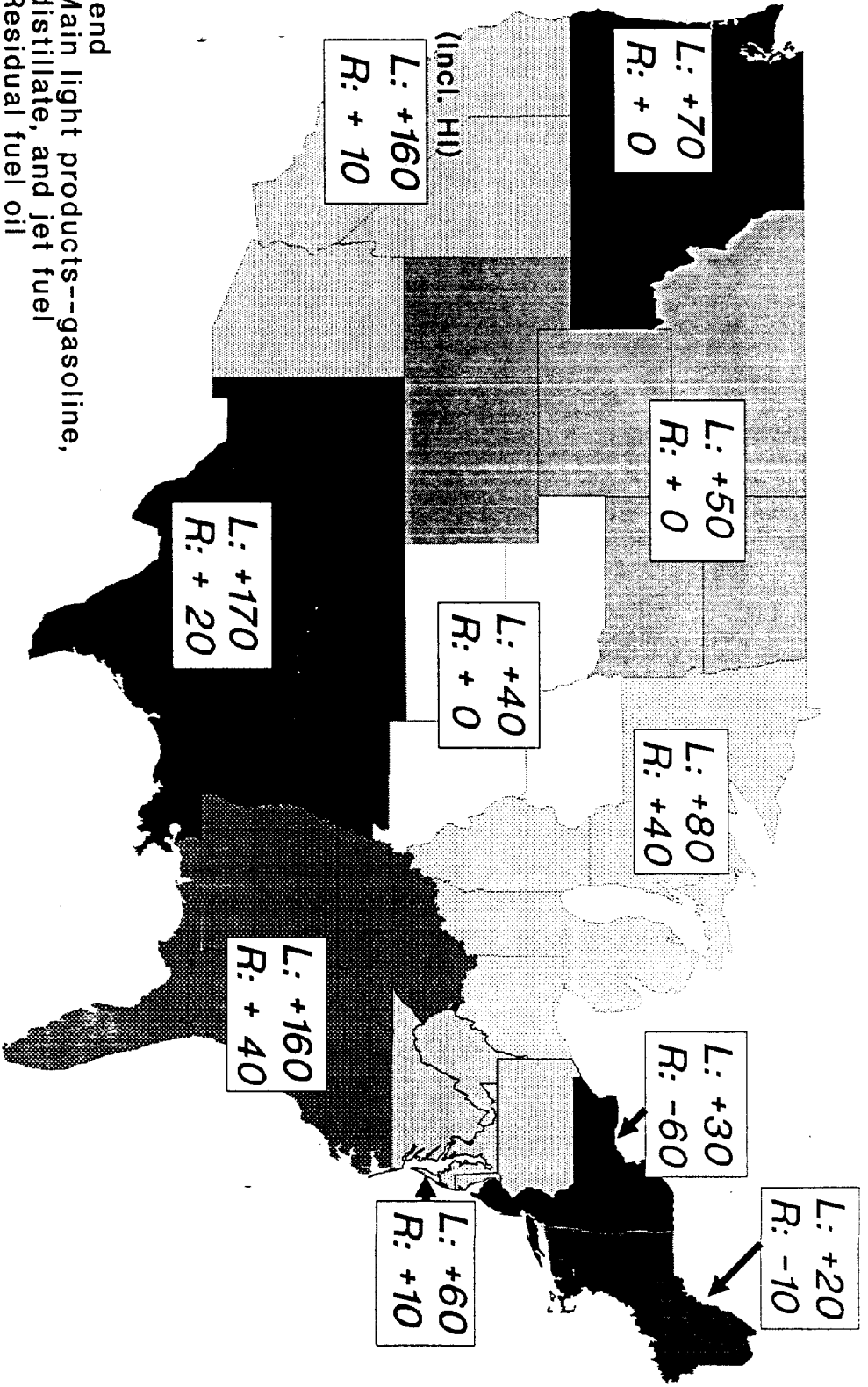
# Oil Heat's Net: Construction v. Conversion



Sources: U.S. Department of Commerce;  
American Gas Association

# EIA's Regional Demand Forecast: Where's the growth? The Sunbelt

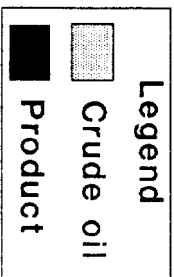
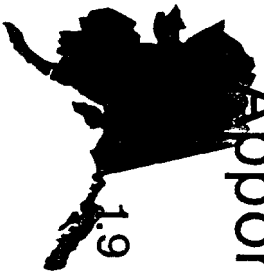
(Changes between 1991 and 1995, in Th. B/D)



Legend  
L: Main light products--gasoline, distillate, and jet fuel  
R: Residual fuel oil

# Apportioning EIA's Incremental Oil Imports

Increase between 1991 and 2000:  
 1.9 Million B/D Crude and 0.9 Million B/D Product  
 (Plus 0.6 shift from pipe to water)

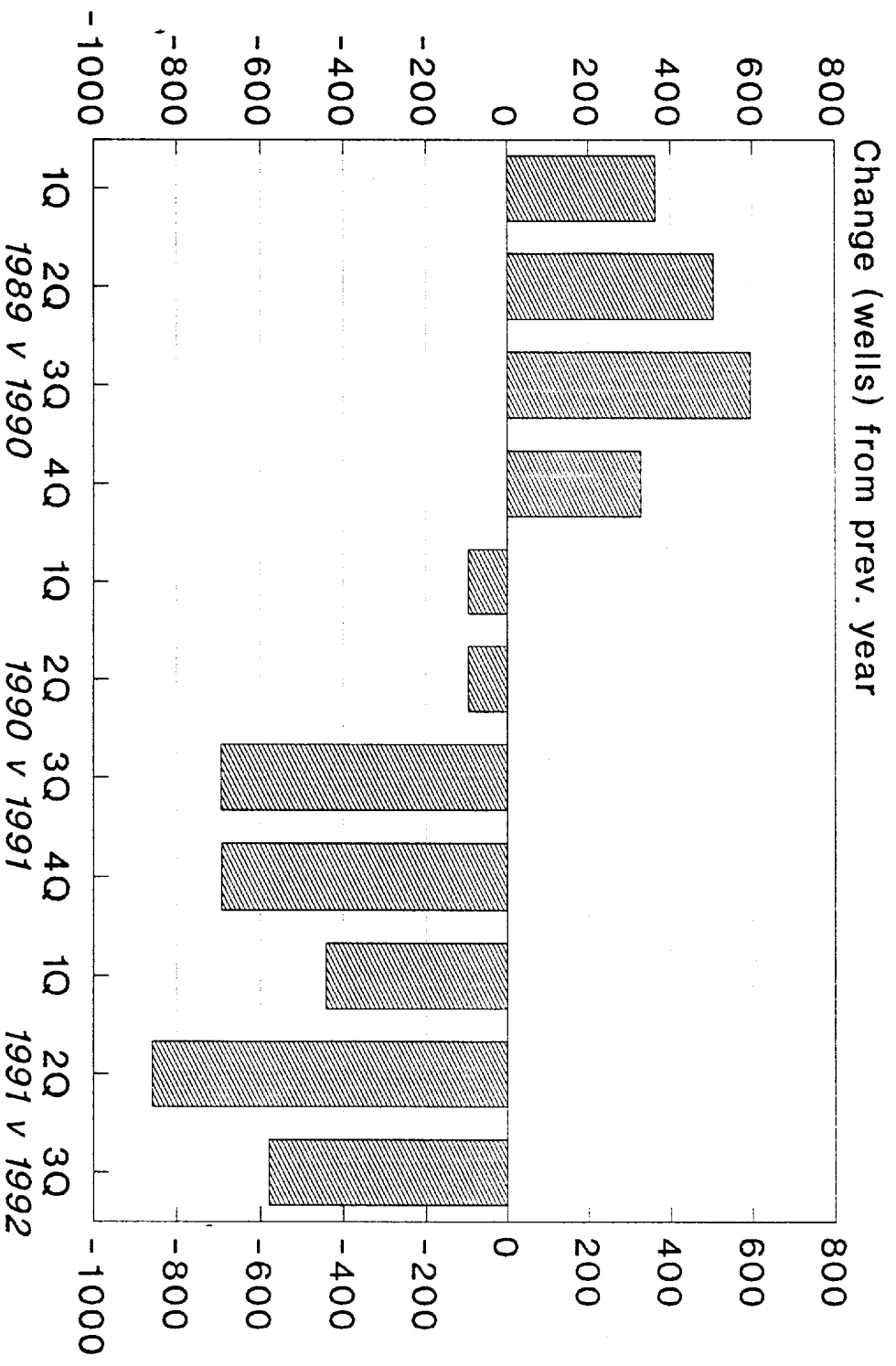


*West Coast crude oil must replace falling Alaskan supplies.*

*PAD III and PAD II take over half of the increased crude and one-third of increased product. (Includes lost Canadian.)*

*Arrow width reflects volume.*

# Drilling Completions: Gas Collapsed



Source: API estimated completions