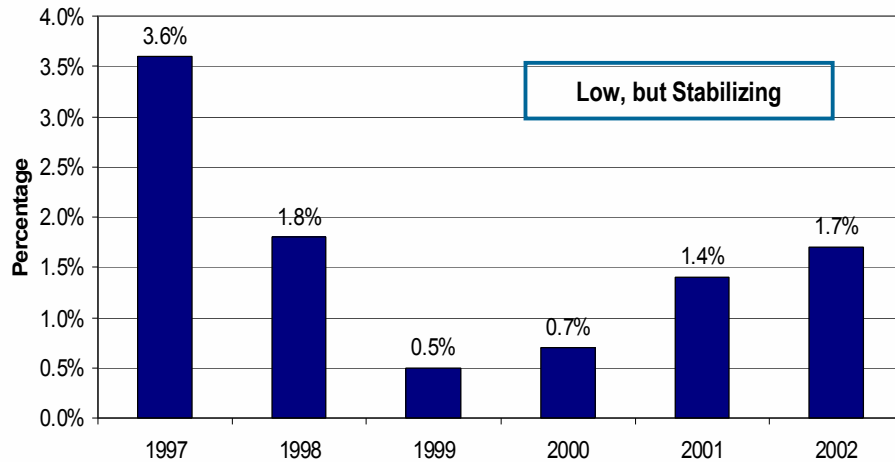
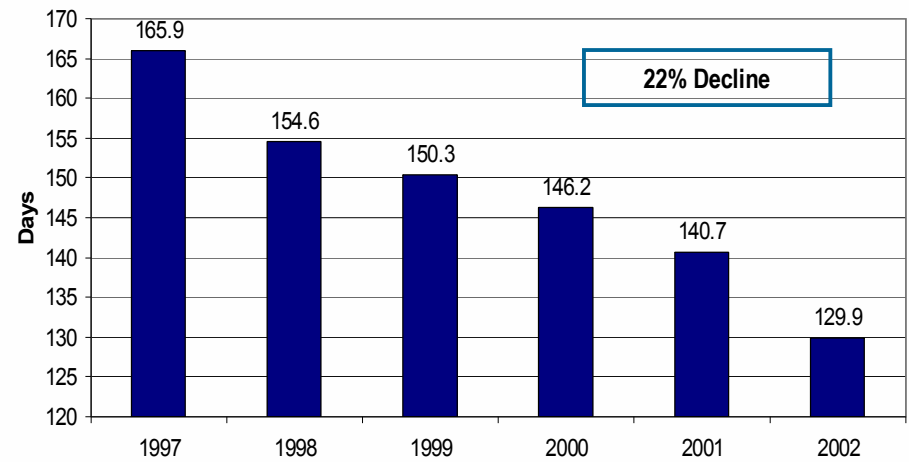


# Industry Dashboard: What Your Creditors See

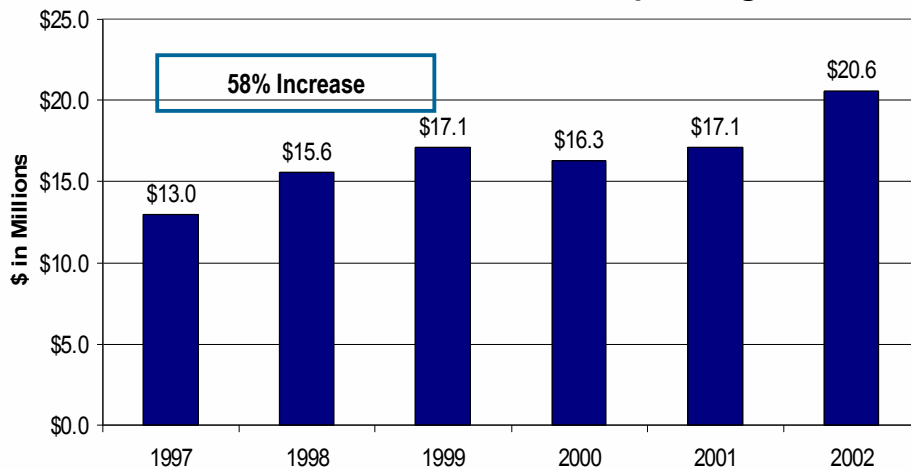
## Operating Margin



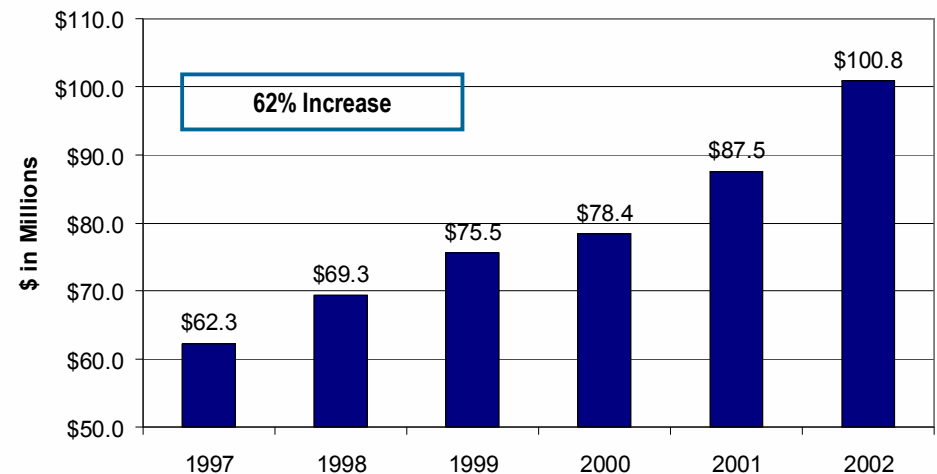
## Days Cash on Hand



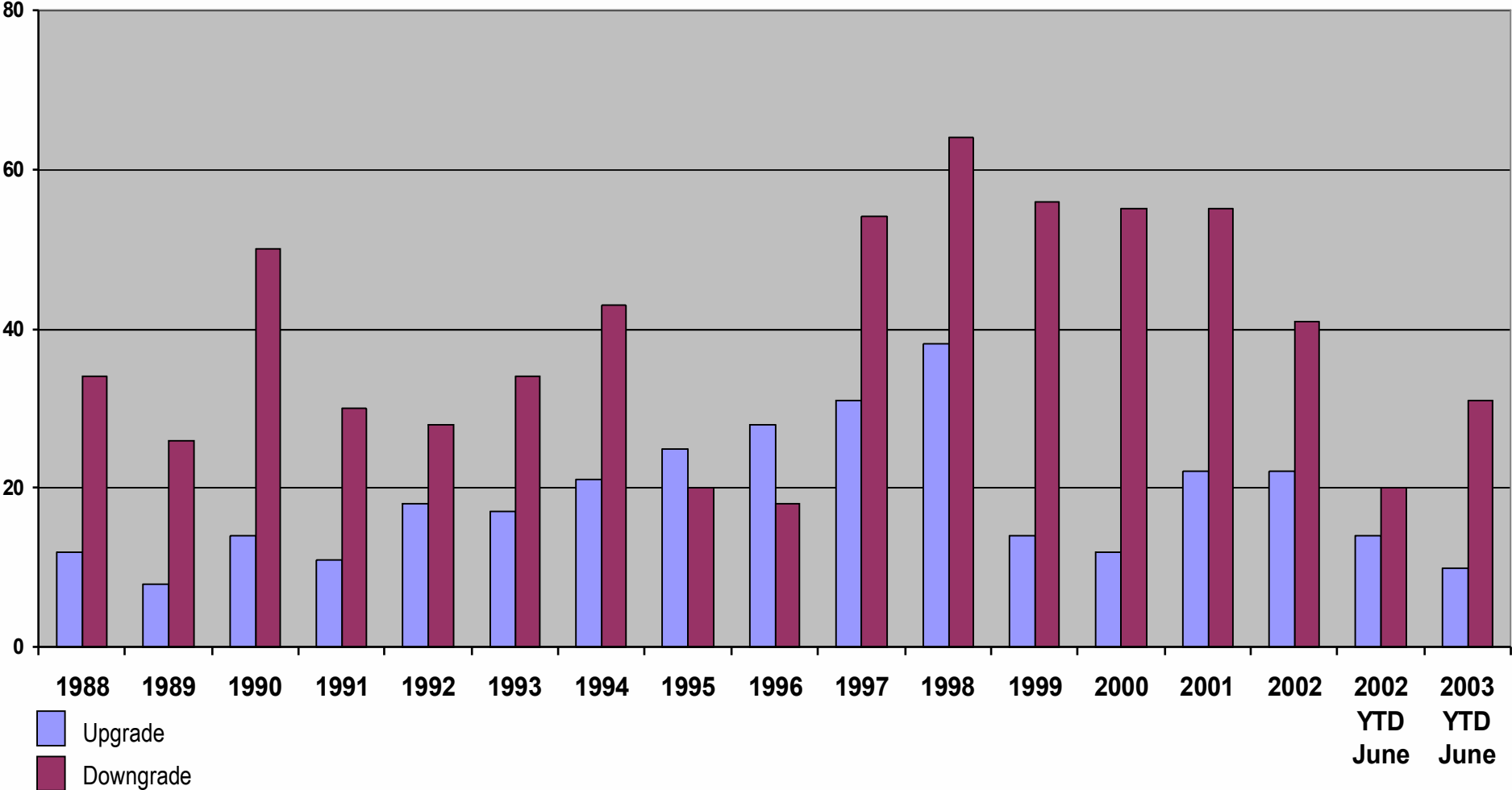
## Median Annual PP&E Spending



## Median L.T. Debt Outstanding



# Credit Rating Upgrades and Downgrades



Source: Moody's Investors Service

## **Key Creditworthiness Ratios**

Indicator	Financial Ratio
Operating Margin	$\frac{\text{Total Operating Revenue} - \text{Operating Expenses}}{\text{Total Operating Revenue}}$
Excess Margin	$\frac{\text{Income From Operations} + \text{Nonoperating Revenue}}{\text{Total Operating} + \text{Nonoperating Revenue}}$
Operating EBIDA Margin	$\frac{\text{Operating Income} + \text{Interest} + \text{Depreciation} + \text{Amortization}}{\text{Total Operating Revenue}}$
Days Cash On Hand	$\frac{\text{Cash and Marketable Securities} + \text{Board-designated Funds} \times 365}{\text{Total Operating Expenses} - \text{Depreciation} - \text{Amortization}}$
Cash-to-debt Ratio	$\frac{\text{Cash and Marketable Securities} + \text{Board-designated Funds}}{\text{Long-term Debt} + \text{Short-term Debt}}$
Cushion Ratio	$\frac{\text{Cash and Marketable Securities} + \text{Board-designated Funds}}{\text{Maximum Annual Debt Service}}$
Debt Service Coverage Ratio	$\frac{\text{Excess Revenue Over Expenses} + \text{Depreciation} + \text{Interest} + \text{Amortization}}{\text{Annual Debt Service}}$
Debt-to-capitalization Ratio	$\frac{\text{Long-term Debt (less current portion)}}{\text{Long-term Debt (less current portion)} + \text{Unrestricted Net Assets}}$
Average Age of Plant	$\frac{\text{Accumulated Depreciation}}{\text{Annual Depreciation}}$

Source: Kaufman, Hall & Associates, Inc.