

UK Motoring Taxes: The Road Ahead Andrew Leicester, IFS

ITS Road User Charging conference, February 23rd 2012

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Motoring is a significant source of tax revenue

| 2011–12 | Revenue (£ bn) | % Receipts | % GDP |
|----------------|----------------|------------|-------|
| Fuel duties | 27.0 | | |
| VAT on duty | 5.4 | | |
| VED | 5.9 | | |
| Total motoring | 38.3 | | |
| | £ bn | | |
| Total receipts | | | |
| GDP | | | |

Source: IFS calculations from OBR Autumn Statement 2011 estimates



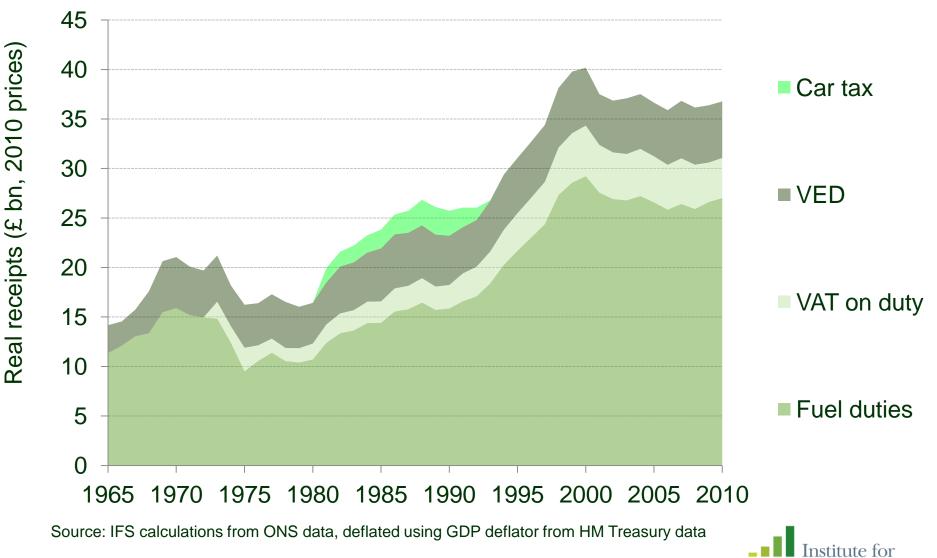
Motoring is a significant source of tax revenue

| 2011–12 | Revenue (£ bn) | % Receipts | % GDP |
|----------------|----------------|------------|-------|
| Fuel duties | 27.0 | 4.7% | 1.8% |
| VAT on duty | 5.4 | 0.9% | 0.4% |
| VED | 5.9 | 1.0% | 0.4% |
| Total motoring | 38.3 | 6.7% | 2.5% |
| | £ bn | | |
| Total receipts | 575.5 | | |
| GDP | 1,521.0 | | |

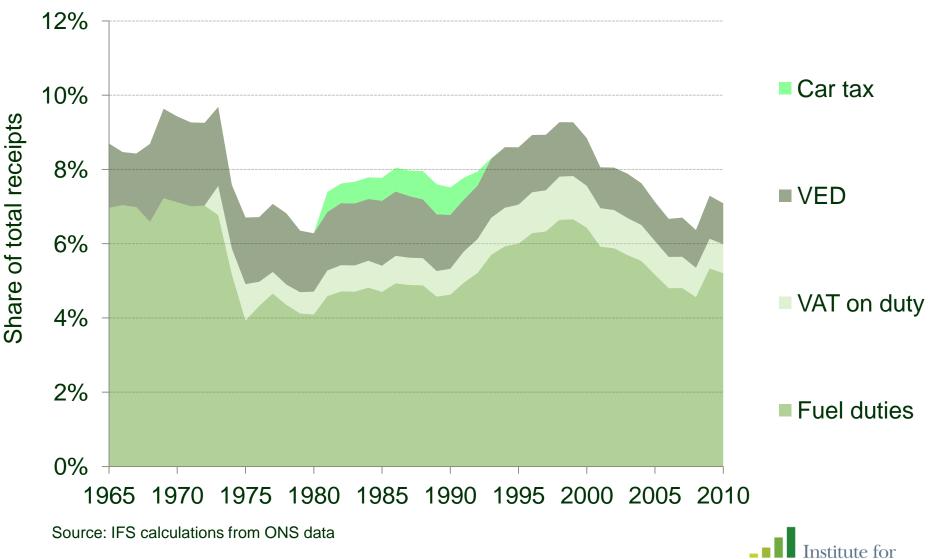
Source: IFS calculations from OBR Autumn Statement 2011 estimates



Real revenues are near historic highs ... Inflation-adjusted receipts of motoring taxes (2010 prices), 1965–2010



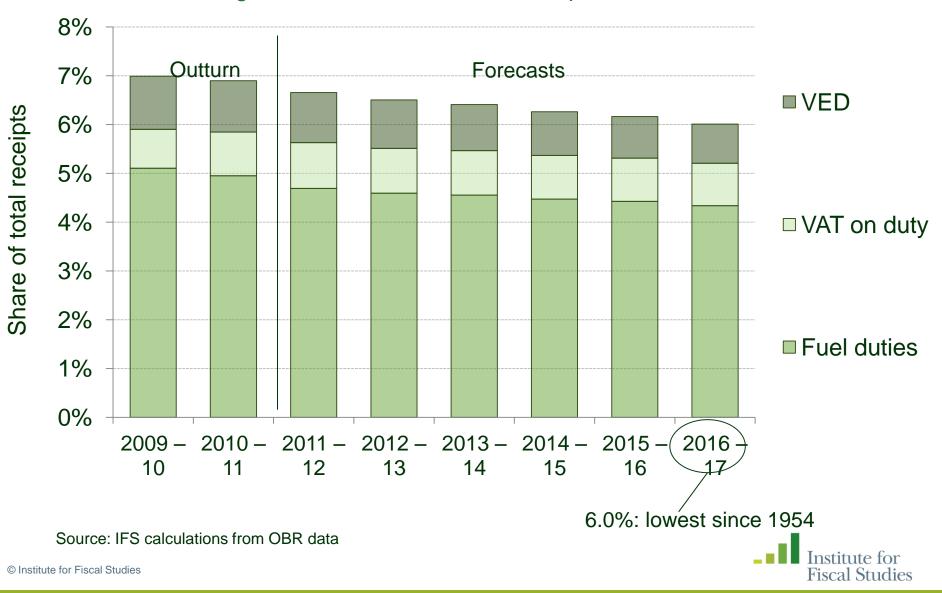
... but fallen relative to other receipts recently Motoring taxes as a share of total receipts, 1965–2010



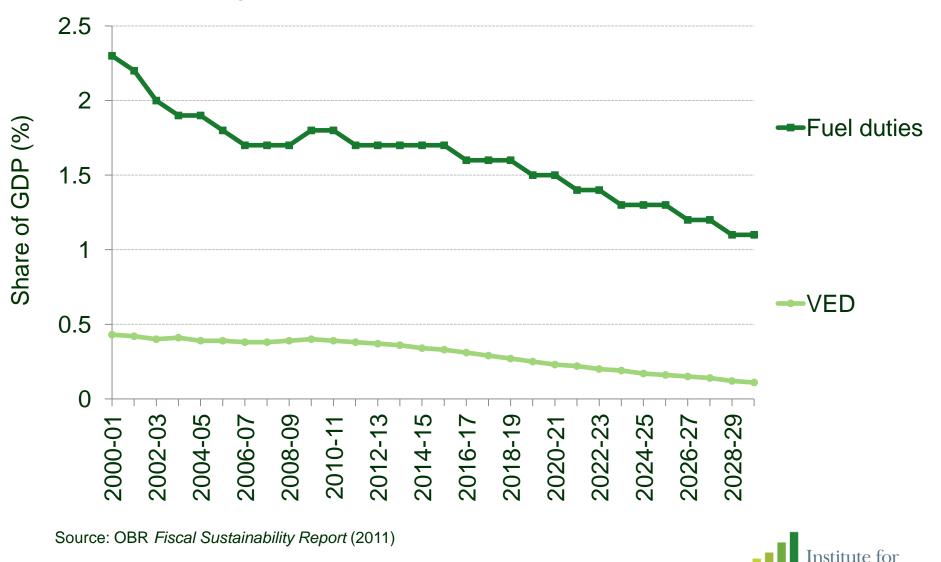
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The trend looks set to continue in the short-term Forecast motoring taxes as a share of total receipts



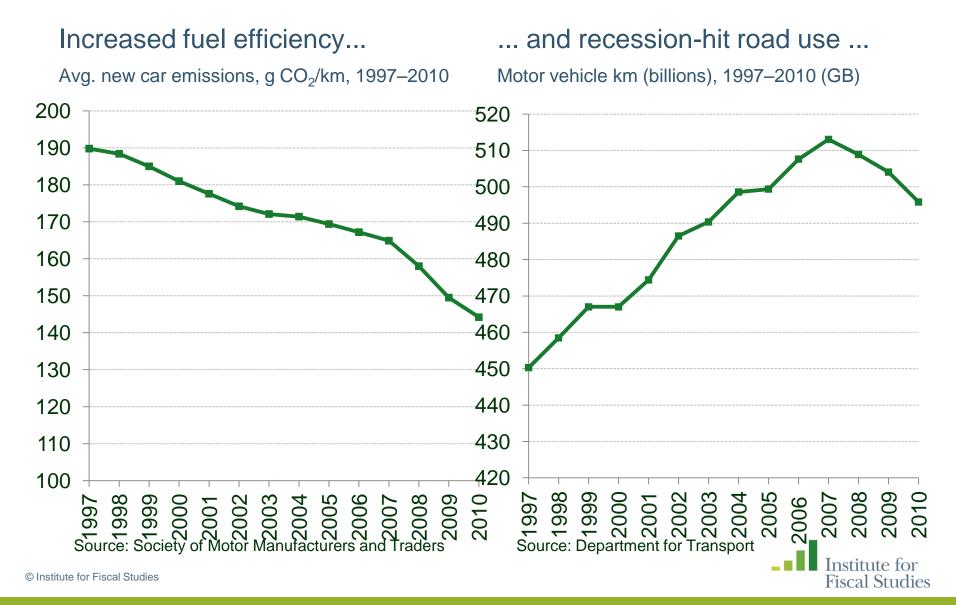
Revenues could continue to erode in long-run Forecast motoring taxes as a share of GDP, 2000–01 to 2029–30



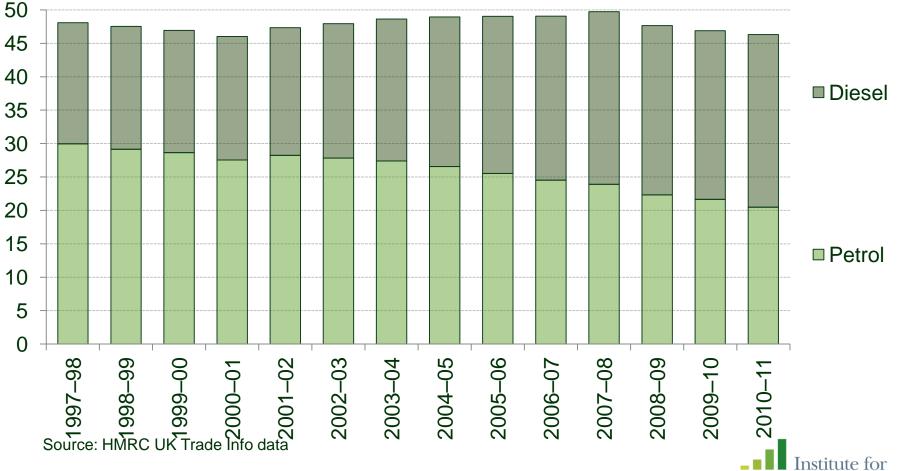
Putting the long-term decline into context

- Receipts 0.9% of GDP lower by 2029–30 if OBR correct
- Equivalent to about £13.2 billion in today's terms
- Approximate tax changes to generate £13 billion include:
 - 3.4p rise in the basic rate (from 20p)
 - 2.7ppt rise in the main rate of VAT (from 20%)
 - 51% rise in main fuel duty rate (from 58p)
- Overstating the likely decline?
 - Assume no change in VED thresholds: 85% of fleet exempt by 2030
- Or understating?
 - Assume fuel duty inflation-adjusted each year
 - Unlikely if oil prices remain high Autumn Statement froze rates

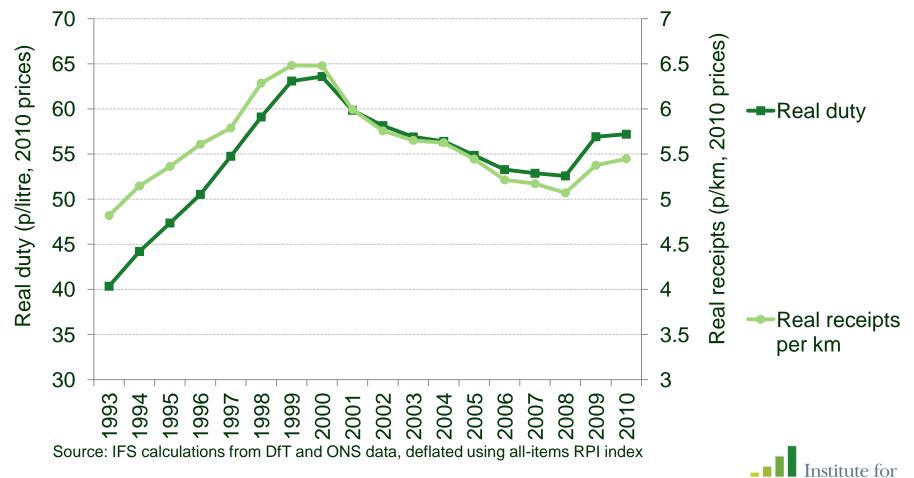




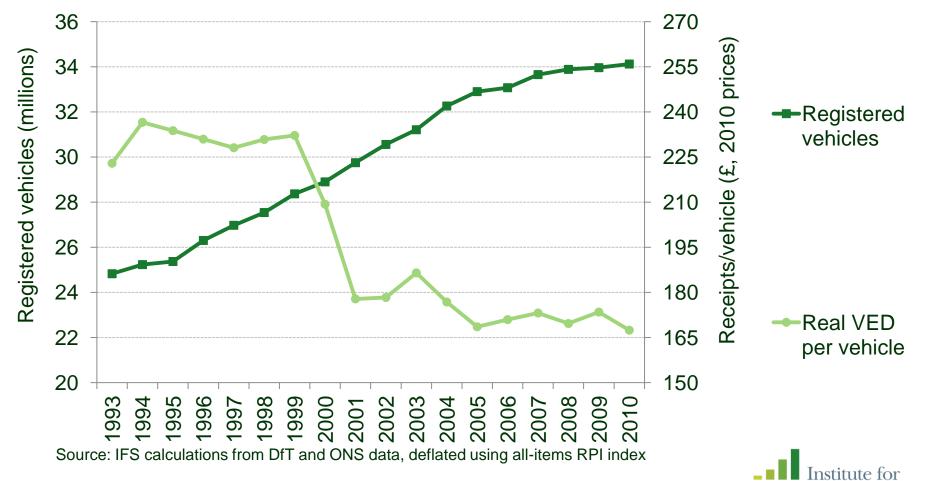
... have combined to reduce fuel sales Sales of vehicle fuel, billion litres, 1997–98 to 2010–11



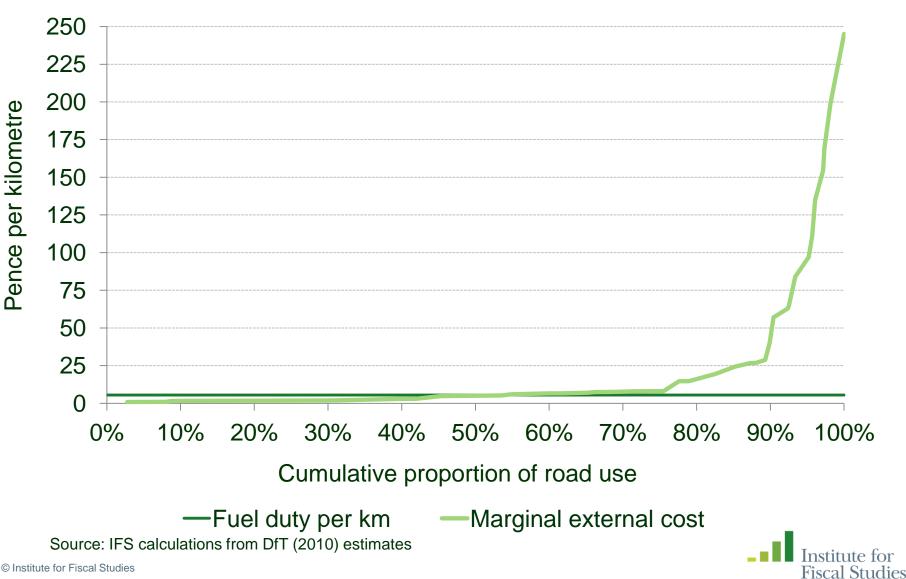
More efficiency & falling real duty means each km is taxed less Average duty rate and receipts per kilometre, 1993–2010 (2010 prices)



Vehicle numbers up, but VED per vehicle down as efficiency rises Registered vehicles and real VED receipts per vehicle, 1993–2010 (2010 prices)



The economic rationale for road pricing is clear Distribution of marginal external costs of road use (pence/km), 2010



But fiscal pressure may be spur for reform

- Economic case is well-known, certainly since Eddington (2006)
- Would need ever higher real duty to offset revenue loss
 - Increasingly regressive if poor households have less efficient cars
 - Duty becomes ever-worse instrument to target external costs
- Road use may provide more secure tax base than vehicles & fuel
- CCC (2010) estimates:
 - Fleet efficiency 168g CO_2/km (2011) to 76g (2030)
 - 60% new car sales electric (zero fuel) by 2030
 - Road use 516 billion vehicle km (2011) to 637 billion (2030)
- Government should recognise this and start to lay ground now
 - Road user charging should be largely offset by cuts to fuel duty
 - Need to make the case for reform: inaction not a neutral policy!

