

# Energy Subsidy Reform

## Lessons and Implications



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# Energy Subsidy Reform Lessons And Implications

**United Nations Development  
Programme**



## **Energy Subsidy Reform Lessons And Implications:**

Energy Subsidy Reform - Lessons and Implications International Monetary Fund. Fiscal Affairs Dept.,2013-01-28 Energy subsidies have wide ranging economic consequences While aimed at protecting consumers subsidies aggravate fiscal imbalances crowd out priority public spending and depress private investment including in the energy sector Subsidies also distort resource allocation by encouraging excessive energy consumption artificially promoting capital intensive industries reducing incentives for investment in renewable energy and accelerating the depletion of natural resources Most subsidy benefits are captured by higher income households reinforcing inequality Even future generations are affected through the damaging effects of increased energy consumption on global warming This paper provides i the most comprehensive estimates of energy subsidies currently available for 176 countries and ii an analysis of how to do energy subsidy reform drawing on insights from 22 country case studies undertaken by IMF staff and analyses carried out by other institutions

Energy Subsidy Reform Mr.Benedict J. Clements,Mr.David Coady,Ms.Stefania Fabrizio,Mr.Sanjeew Gupta,Mr.Trevor Serge Coleridge Alleyne,Mr.Carlo A Sdravovich,2013-09-13 Energy subsidies are aimed at protecting consumers however subsidies aggravate fiscal imbalances crowd out priority public spending and depress private investment including in the energy sector This book provides the most comprehensive estimates of energy subsidies currently available for 176 countries and an analysis of how to do energy subsidy reform drawing on insights from 22 country case studies undertaken by the IMF staff and analyses carried out by other institutions

Case Studies on Energy Subsidy Reform—Lessons and Implications - Supplement International Monetary Fund. Fiscal Affairs Dept.,2013-01-28 This supplement presents country case studies reviewing energy subsidy reform experiences which are the basis for the reform lessons identified in the main paper The selection of countries for the case studies reflects the availability of data and of previously documented evidence on country specific reforms The 22 country case studies were also chosen to provide cases from all regions and a mix of outcomes from reform The studies cover 19 countries including seven from sub Saharan Africa two in developing Asia three in the Middle East and North Africa four in Latin America and the Caribbean and three in Central and Eastern Europe and the CIS The case studies are organized by energy product with 14 studies of the reform of petroleum product subsidies seven studies of the reform of electricity subsidies and a case study of subsidy reform for coal The larger number of studies on fuel subsidies reflects the wider availability of data and past studies for these reforms The structure of each case study is similar with each one providing the context of the reform and a description of the reforms discussion of the impact of the reform on energy prices or subsidies and its success or failure mitigating measures that were implemented in an attempt to generate public support for the reform and offset adverse effects on the poor and finally identification of lessons for designing reforms

Case Studies on Energy Subsidy Reform-Lessons and Implications Internationaler Währungsfonds,2013 This supplement presents country case studies reviewing energy subsidy reform experiences which are the basis for the reform lessons

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**The Political Economy of Energy Subsidy Reform** Gabriela Inchauste, David G. Victor, 2017-03-22 This book proposes a simple framework for understanding the political economy of subsidy reform and applies it to four in depth country studies covering more than 30 distinct episodes of reform Five key lessons emerge First energy subsidies often follow a life cycle beginning as a way to stabilize prices and reduce exposure to price volatility for low income consumers However as they grow in size and political power they become entrenched Second subsidy reform strategies vary because the underlying political economy problems vary When benefits are concentrated satisfying or isolating interest groups with alternative policies is an important condition for effective reform When benefits are diffuse it can be much harder to identify and manage the political coalition needed for reform Third governments vary in their administrative and political capacities to implement difficult energy subsidy reforms Fourth improvements in social protection systems are often critical to the success of reforms because they make it possible to target assistance to those most in need Finally the most interesting cases involve governments that take a strategic approach to the challenges of political economy In these settings fixing energy subsidies is central to the governments missions of retaining political power and reorganizing how the government delivers benefits to the population These cases are examples of reform engineering where governments actively seek to create the capacity to implement alternative policies depoliticize tariffs and build credibility around alternative policies The most successful reforms involve active efforts by policy leaders to identify the political forces supporting energy subsidies and redirect or inoculate them

Energy Subsidies Anja von Moltke, Colin McKee, Trevor Morgan, Klaus Töpfer, 2017-09-08 The need to reform energy subsidies was one of the pressing issues highlighted at the World Summit on Sustainable Development Many types of subsidy especially those that encourage the production and use of fossil fuel and other non renewable forms of energy are harmful to the environment They can also have high financial and economic costs and often only bring few benefits to the people for whom they are intended Removing reducing or

restructuring such energy subsidies is helpful for the environment and the economy at the same time Potential social costs in terms of employment in the conventional energy industry or reduced access to energy could be addressed by redirecting the money formerly spent on subsidies to income support health environment education or regional development programmes Of course subsidies can have certain positive consequences particularly where they are aimed at encouraging more sustainable energy production and use Temporary support for renewable energy and energy efficient technologies to overcome market barriers and measures to improve poor or rural households access to modern commercial forms of energy for instance could be positive measures in support of sustainable development Based on ground breaking work undertaken by UNEP and the International Energy Agency this book aims to raise awareness of the actual and potential impacts of energy subsidies and provide guidance to policy makers on how to design and implement energy subsidy reforms It provides methodologies for analysing the impact of subsidies and their reform and reviews experiences with energy subsidies in a number of countries and regions Drawing on these case studies it analyses the lessons learned as well as the policy implications and provides guidance on how to overcome resistance to reform The book provides an analytical framework which aims to set the scene for the detailed discussion of energy subsidy issues at the country level It considers how subsidies are defined how they can be measured how big they are and how their effects can be assessed A more detailed discussion of methodological approaches to the assessment of the economic environmental and social effects of subsidies and their reform is contained in the Annex Chapters 3 11 of the book contain country case studies from contributing authors which review various experiences and issues related to energy subsidies in selected countries but do not strive for a common approach They are organised along geographical lines beginning with a review of energy subsidies generally in OECD countries Case studies of energy subsidies in transition economies the Czech and Slovak Republics Chapter 4 and Russia Chapter 5 follow Three studies of Asian countries focus on the costs of different types of energy subsidy electricity subsidies in India Chapter 6 oil subsidies in Indonesia Chapter 7 and energy subsidies generally in Korea Chapter 8 Chapter 9 reviews the effect of energy subsidies in Iran and suggests a pragmatic approach to reforming them This is followed by an assessment of the LPG subsidy programme in Senegal Chapter 10 and an analysis of the effects of removing coal and oil subsidies in Chile Chapter 11 Chapter 12 analyses the lessons learned from these case studies focusing on the economic environmental and social effects and their implications for policy Finally Chapter 13 discusses the implications of these findings and makes practical recommendations for designing and implementing policy reforms This book will be essential for both practitioners and academics involved in the energy sector and for governments and policy makers wishing to examine the reform of energy subsidies

**The Economics and Political Economy of Energy Subsidies** Jon Strand, 2016-07-29 The economic and political aspects of energy subsidies viewed both theoretically and empirically with a focus on fossil fuel subsidies in developing nations Government subsidies to energy are widespread and represent a heavy burden on public budgets in many

countries Both producers and consumers may be subsidized the most common subsidies are for motor fuel consumption and electricity production and consumption The subsidies to consumers often prove particularly harmful because they result in increased energy consumption increased carbon emissions and distortionary effects on consumer behavior This book fills a void in the literature by providing a first broad and diverse analysis of several aspects of the economic and political economy aspects of government energy subsidies The contributors take both theoretical and empirical approaches with most of the focus on subsidies to fuel and electricity in non OECD countries The chapters cover such topics as energy pricing reelection incentives for politicians that may encourage excessive subsidies political corruption and bribing equilibria the the resource curse in developing countries when the gains from natural resource windfalls are largely wasted the entitlement of energy subsidies in autocracies and distributional issues when subsidies targeted to the poor are removed in high income countries One chapter discusses nonharmful subsidies the potential economic effects of subsidizing the manufacturing and deployment of renewable energy Contributors Carolyn Fischer Mads Greaker Mohammad Habibpour Michelle Harding Christina Kolerus Christos Kotsogiannis Jim Krane Alber Touna Mama Raffaele Miniaci Marco Pani Ian Parry Carlo Perroni Leonzio Rizzo Knut Einar Rosendahl Carlo Scarpa Neda Seiban Suphi Sen Jon Strand Paola Valbonesi Herman Vollebergh *Energy Economics* Subhes C. Bhattacharyya, 2019-11-02 This book provides an updated and expanded overview of basic concepts of energy economics and explains how simple economic tools can be used to analyse contemporary energy issues in the light of recent developments such as the Paris Agreement the UN Sustainable Development Goals and new technological developments in the production and use of energy The new edition is divided into four parts covering concepts issues markets and governance Although the content has been thoroughly revised and rationalised to reflect the current state of knowledge it retains the main features of the first edition namely accessibility research informed presentation and extensive use of charts tables and worked examples This easily accessible reference book allows readers to gain the skills required to understand and analyse complex energy issues from an economic perspective It is a valuable resource for students and researchers in the field of energy economics as well as interested readers with an interdisciplinary background **Research Bulletin, March 2015** International Monetary Fund. Research Dept., 2015-03-24 Articles in the March 2015 Research Bulletin focus on the oil market energy subsidies and output The Research Summary on An Exploration in Deep Corners of the Oil Market authored by Rabah Arezki Douglas Laxton Armen Nurekyan and Hou Wang examines fluctuations in oil prices The State Budget May Afford It All by Christian Ebeke and Constant Lonkeng Ngbouana reviews energy subsidies and their fiscal distributional and environmental costs In the Q A column Pau Rabanal takes a look at Seven Questions on Potential Output The Bulletin includes a listing of recent IMF Working Papers Staff Discussion Notes recommended readings from IMF Publications and a call for papers for the next Annual Research Conference A link with information and free access to IMF Economic Review is also included **Malaysia** International Monetary Fund. Asia and Pacific Dept., 2015-03-03 This Selected Issues paper

examines the implications of lower crude oil prices on Malaysia's economy. Although Malaysia's net oil exports are now very small as a share of GDP, its gas exports are sizeable. The paper provides some background on the structure of energy production and trade in Malaysia and presents results from empirical analysis of the oil prices on Malaysia's growth. It is concluded that the decline in prices is likely to have a net negative impact on growth even though the recent decline in oil prices partially reflects supply considerations.

**Mobilizing Private Finance for Sustainable Development** United Nations Development Programme, 2016-11-30. The proactive engagement of the private sector was critical to accelerate the achievement of the Millennium Development Goals (MDGs). Inevitably, private finance will become even more central in the concerted effort to achieve the Sustainable Development Goals (SDGs) due to their ambition. Private investment decisions in both the real economy and in the financial sector should move the world towards the aspirations set out in the 2030 agenda. This means going far beyond philanthropy and voluntary corporate social responsibility, important though they are. It is a matter of steering the investment decisions that private actors make every day. In the context of the Financing for Development debate, this discussion paper reflects on the latest trends and makes recommendations to: 1. Establish an enabling regulatory environment for the private sector to invest in the SDGs; 2. Introduce smart public incentives to fasten the realignment of private finance to the SDGs; and 3. Foster change in company and consumer behaviours to transition to inclusive and sustainable markets.

**Renewable Energy Law** Penelope Crossley, 2019-11-28. Provides the first scholarly and comprehensive book on the national renewable energy laws of every country that has them (113 countries).

**Fiscal Politics** Vitor Gaspar, Mr. Sanjeev Gupta, Mr. Carlos Mulas-Granados, 2017-04-07. Two main themes of the book are that: 1. politics can distort optimal fiscal policy through elections and through political fragmentation; and 2. rules and institutions can attenuate the negative effects of this dynamic. The book has three parts: part 1 (9 chapters) outlines the problems; part 2 (6 chapters) outlines how institutions and fiscal rules can offer solutions; and part 3 (4 chapters) discusses how multilevel governance frameworks can help.

**Fossil Fuel Subsidy Reforms** Jun Rentschler, 2018-04-27. Countries around the world are spending up to 500 billion per year on subsidising fossil fuel consumption. By some estimates, the G20 countries alone are spending around another 450 billion on subsidising fossil fuel production. In addition, the indirect social welfare costs of these subsidies have been shown to be substantial for instance due to air pollution, road congestion, climate change and economic inefficiency to name a few. Considering these numbers, there is no doubt that fossil fuel subsidies cause severe economic distortions that compromise countries' prospects of achieving equitable and sustainable development. This book provides a guide to the complex challenge of designing, assessing and implementing effective fossil fuel subsidy reforms. It shows that subsidy reform requires a careful balancing of complex economic and political trade-offs as well as measures to mitigate adverse effects on vulnerable households and to assist firms with implementing efficiency-enhancing measures. Going beyond the purely fiscal perspective, this book emphasises that smart subsidy reforms can contribute to all three dimensions of sustainable

development environment society and economy Over the course of eight chapters this book considers a wide range of agents and stakeholders markets and policy measures in order to distil the key principles of designing effective fossil fuel subsidy reforms This book will be of great relevance to scholars and policy makers with an interest in energy economics and policy climate change policy and sustainable development more broadly *Fiscal and Welfare Impacts of Electricity Subsidies in Central America* Marco Antonio Hernández Oré, Luis à?lvaro Sánchez, Liliana D. Sousa, Leopoldo Tornarolli, 2017-10-23

Central American countries spend approximately one percent of their aggregate gross domestic product subsidizing residential electricity consumption This amount is comparable with what these countries spend on education and social assistance The pressure that electricity subsidies exert on government budgets is particularly high when international energy prices rise Electricity subsidies also provide perverse incentives for the overconsumption of electricity as households do not pay the true cost of their consumption which in turn reduces incentives to increase energy efficiency This book answers key questions regarding residential electricity subsidies in Central America In particular How do the subsidy mechanisms function in each country What are their fiscal costs Are these subsidies good value for the money How efficient are subsidies in reaching households in need and what drives this efficiency What are the reform options The main message of this book is that there is considerable scope for improving the efficiency of electricity subsidies in Central America by better targeting them to low income households The book shows that electricity subsidies help reduce the burden of electricity costs on the lowest income groups However the existing electricity subsidy schemes are very inefficient at targeting resources to low income households with the majority of government spending going to higher income households Indeed most countries in the region have the opportunity to significantly reduce the fiscal costs of electricity subsidies without imposing significant costs on households particularly poor households Given the limited fiscal space in the region and the major needs of the countries in terms of social services and physical infrastructure this study seeks to provide Central American policymakers with the analytical foundations necessary to assess the costs and benefits of their electricity subsidy mechanisms and design effective reform strategies that reflect their unique circumstances and policy priorities *Frontier and Developing Asia* Mr. Alfred Schipke, 2015-04-10 With a combined population of more than 350 million people frontier and developing Asia which includes countries such as Vietnam Cambodia and Bangladesh is located in the world's fastest growing region and has favorable demographics The countries share a number of common macroeconomic financial and structural challenges This book addresses issues related to economic growth and structural transformation as well as the risk of a poverty trap and rising income inequality *Climate Change Public Expenditure and Institutional Review Sourcebook (CCPEIR)* Adrian Fozzard, This Climate Change Public Expenditure and Institutional Review Sourcebook CCPEIR seeks to provide practitioners with the tools and information needed to respond to the public expenditure policy and management challenges arising from climate change It is a series of notes and supporting materials written as a first step towards consolidating



current research and international experience identifying emerging practice and providing practical and applicable guidance for staff of central finance agencies development agencies environmental agencies and other international organizations working on climate change issues In addition to emphasizing the importance of strengthening national systems throughout the Sourcebook focuses on the specific public expenditure policy and management challenges posed by climate change such as decision making in the face of uncertain future climate conditions expenditure planning for extreme weather and climate events the lack of agreed budget definition and classification of climate change activities

**Detox Development** Richard Damania, Esteban Balseca, Charlotte de Fontaubert, Joshua Gill, Jun Rentschler, Jason Russ, Esha Zaveri, 2023-06-15 Clean air land and oceans are critical for human health and nutrition and underpin much of the world's economy Yet they suffer from degradation poor management and overuse due to government subsidies **Detox Development** Repurposing Environmentally Harmful Subsidies examines the impact of subsidies on these foundational natural assets Explicit and implicit subsidies estimated to exceed US 7 trillion per year not only promote inefficiencies but also cause much environmental harm Poor air quality is responsible for approximately 1 in 5 deaths globally And as the new analyses in this report show a significant number of these deaths can be attributed to fossil fuel subsidies Agriculture is the largest user of land worldwide feeding the world and employing 1 billion people including 78 percent of the world's poor But it is subsidized in ways that promote inefficiency inequity and unsustainability Subsidies are shown to drive the deterioration of water quality and increase water scarcity by incentivizing overextraction In addition they are responsible for 14 percent of annual deforestation incentivizing the production of crops that are cultivated near forests These subsidies are also implicated in the spread of zoonotic and vector borne diseases especially malaria Finally oceans support the world's fisheries and supply about 3 billion people with almost 20 percent of their protein intake from animals Yet they are in a collective state of crisis with more than 34 percent of fisheries overfished exacerbated by open access regimes and capacity increasing subsidies Although the literature on subsidies is large this report fills significant knowledge gaps using new data and methods In doing so it enhances understanding of the scale and impact of subsidies and offers solutions to reform or repurpose them in efficient and equitable ways The aim is to enhance understanding of the magnitude consequences and drivers of policy successes and failures in order to render reforms more achievable

*Republic of Mozambique* International Monetary Fund. African Dept., 2016-01-08 This Selected Issues paper examines the macroeconomic and fiscal implications of natural gas project for Mozambique Results which are based on the IMF Fiscal Analysis of Resource Industries model suggest that by the mid 2020s half of the country's output will be generated by natural gas However the fiscal revenues from the projects will remain moderate until the mid 2020s because of large depreciation costs for gas liquefaction facilities Although the economic potential emerging from the projects is tremendous macroeconomic and fiscal implications are quite sensitive to international commodity price developments and other risk factors highlighting that the government's authorities would be

well advised in taking a cautious approach      *Green Industrial Policy in Emerging Countries* Anna Pegels, 2014-03-05 For decades governments have tried to foster industrial competitiveness and economic growth Many instruments are known to work and many lessons have been learned However humanity is increasingly feeling the effects of natural resource depletion The rate of this depletion is deeply unsustainable and it is as of yet inextricably linked to economic growth and development To preserve acceptable living conditions for future generations while at the same time creating these conditions for millions of poor in the first place we must achieve a de linking of economic activity and resource depletion This book identifies the drivers and success factors of green industrial policy which seeks to reconcile the synergies and trade offs which exist between economic and environmental goals Greening the economy is a goal which will require enormous investment As markets are currently failing to provide the required incentives for environmental sustainability governments must intervene and provide policy rents for investments in sustainability while withdrawing rents from polluting investments In this they will face the risk of political capture by interest groups and difficult choices among technologies Rent management is therefore the heart of green industrial policy and the focus of this book On top of this the country examples provided in this volume focus on the emerging powers which will have an important influence the future of our planet However the lessons learned are valuable not only for countries introducing green industrial policies for the first time but also for those under pressure to reform existing policies This book will be of interest to students researchers and policymakers in the areas of energy policy sustainable development industrial economics and ecological economics

## Reviewing **Energy Subsidy Reform Lessons And Implications**: Unlocking the Spellbinding Force of Linguistics

In a fast-paced world fueled by information and interconnectivity, the spellbinding force of linguistics has acquired newfound prominence. Its capacity to evoke emotions, stimulate contemplation, and stimulate metamorphosis is really astonishing. Within the pages of "**Energy Subsidy Reform Lessons And Implications**," an enthralling opus penned by a highly acclaimed wordsmith, readers attempt an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve in to the book is central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

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