

Energy Efficiency makes Subsidy Reform more politically feasible

Subsidy
Reform makes
Energy
Efficiency more
attractive

Energy Efficiency and Subsidy Reform: A Virtuous Circle

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What is an energy subsidy?



- A deliberate policy action by government that specifically targets a particular energy source (e.g. coal, oil, gas, electricity) with one or more of the following effects:
 - Reducing the net cost of energy purchased
 - 2. Reducing the cost of production or delivery of energy
 - 3. Increasing revenues retained by energy suppliers
- Consumer subsidies distort the price for energy (the amount paid by consumers does not reflect the actual cost)

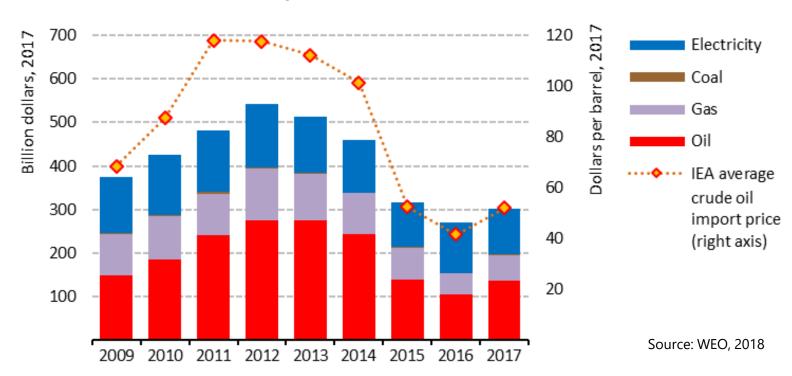
Fossil Fuel Subsidies are roughly:

- 4 times level of renewable subsidies
- 4 times OECD Development Assistance
- 6 times the amount needed for meeting climate finance objectives
- 22 times the size of current donor adaptation funds

Consumer subsidies largely follow the global market price...



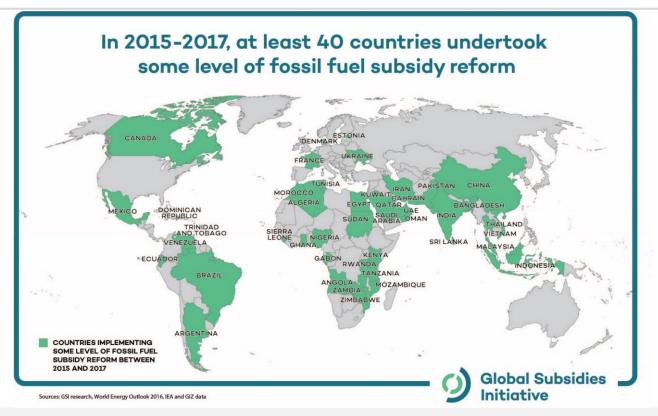
Estimated value of global fossil-fuel consumption subsidies, 2009-17



Lower prices and bolder policies mean that the value of global fossil-fuel consumption subsidies declined to 2016 (to \$260 billion). Rose to \$302 billion in 2017

... but many countries are implementing subsidy reform

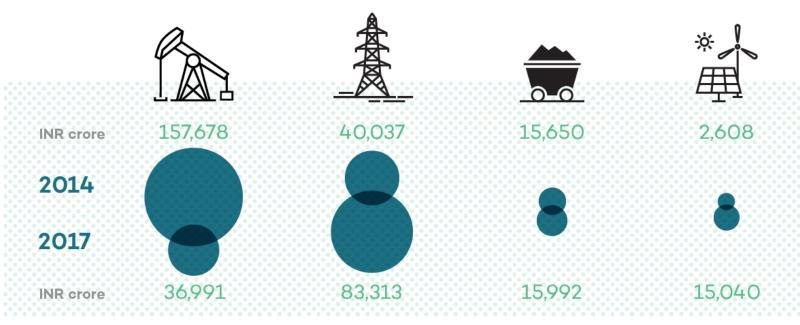




Relatively low oil prices from mid-2014 provided the opportunity for the phase-out of consumer subsidies in several countries, by making their withdrawal less painful.



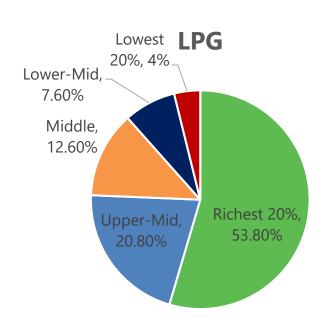
Big shifts in India's energy subsidies from 2014-2017 (INR crore)

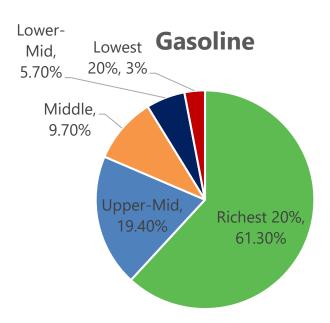


Who are the real beneficiaries of subsidies?



Global survey of energy subsidy beneficiaries





Source: IMF Working Paper 2010

What are the steps in reforming subsidies?



Detailed analysis of various reform options



Identification of effects on specific groups and interests



Understanding preferences and acceptable trade-offs

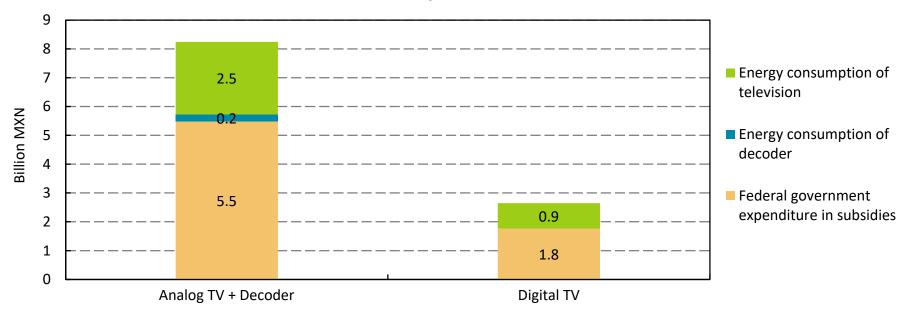


Engagement and communications strategy

Efficiency reduces the impact of subsidy reform



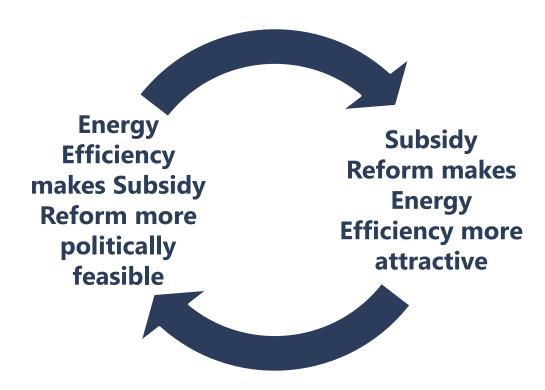
Comparison of annual expenses by households and Mexican government with analogue television and decoder versus digital television

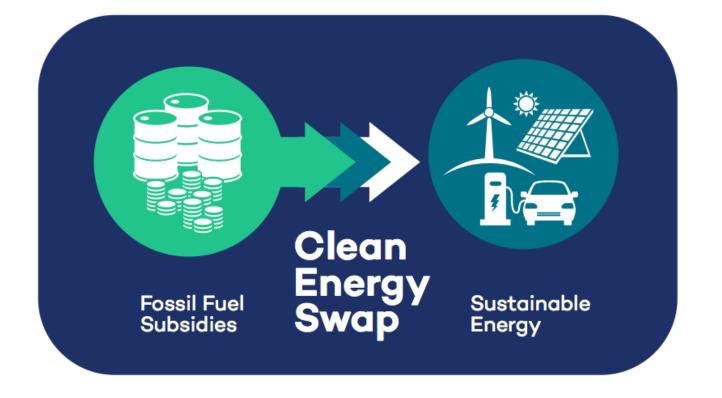


The Mexican government is providing 14 million LED TVs to low-income households. The USD 102.4 million cost is expected to be recovered through avoided consumption and reduced subsidies

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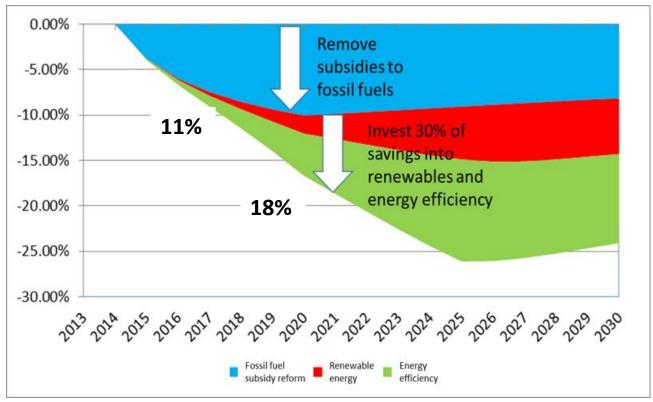




Reforming **fossil fuel subsidies**will generate \$avings that
can be re-invested towards **sustainable energy**.

Reallocation to Clean Energy increases FFSR Impact



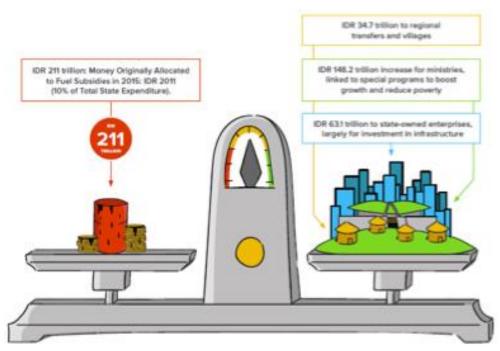


http://www.iisd.org/library/making-switch-fossil-fuel-subsidiessustainable-energy



Fossil Fuel Subsidy Swap in Indonesia (2015)





International recognition

S&P	May 2013 Stable BB+	May 2015 Positive BB+
Moody's	January 2012 Stable Baa3	Feb 2017 Positive Baa3
Fitch	Dec 2011 Stable BBB-	Dec 2016 Positive BBB-

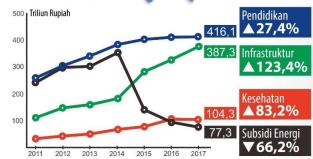
https://www.iisd.org/sites/default/files/publications/financing-development-with-fossil-fuel-subsidies-indonesia.pdf

Reallocating subsidy saving More efficient spending

More efficient economy

- Better infrastructure can contribute to lower logistic time and cost
- Ease traffic jam with public transport quality of life
- New grid delivering more power and less interruption

INCREASING ECONOMIC VALUE FROM ENERGY USE



Subsidy swap in Zambia



IISD are currently working with the Ministry of Energy and CUTS Lusaka to develop two subsidy swaps to tackle these problems:

Phase out diesel generators and replace with cheaper solar energy. Recent auctions show that prices for solar are now lower than diesel generation, so a transition would reduce costs for the national utility ZESCO

Reduce access to subsidized electricity in the mining sector. Some of the additional revenues generated could be allocated to fund energy efficiency and clean energy projects to further improve mining sector efficiency









Key Messages



- Energy subsidies are a significant draw on public budgets
 - Around 261 billion USD around the world, with national share of GDP reaching up to 14%
 - Savings could be reinvested into a range of development priorities
 - "Swaps" into energy efficiency would increase positive impact of subsidy reform
- Subsidy reform is progressing across the world
 - Focus more on (larger) consumer subsidies rather than producer subsidies
 - Reducing public expenditure often a primary driver, not energy efficiency
 - Concerns centre on the poor and vulnerable, and industrial competitiveness
- Energy efficiency reduces the impact of subsidy reform...
 - ...and subsidy reform supports energy efficiency
 - (So far) Only few examples of formally reallocating fiscal savings to energy efficiency



Questions?

