

Review of consultation – ROC Cancellation

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- > Address the issue of climate change
- > Removing confusion
- > Informing consumers to make choices
- > Using competitive forces

Three Consumers



> Tom

- > Wants to measure his carbon footprint
- > Understands the importance of electricity in the supply chain and participates in CDP
- > "You will receive electricity from Good Quality CHP. The carbon content based on a life-cycle analysis of its global warming potential is 100 250 gCO2 per KWh (band C)"

> Dick

- > Wants everything Tom wants
- Particularly concerned with Renewable technologies

> Harriett

- > Passionate about identifying herself with new development
- > Could have same interests as either of the above



Renewables Obligation Certificate Cancellation: Rhetoric or reality?



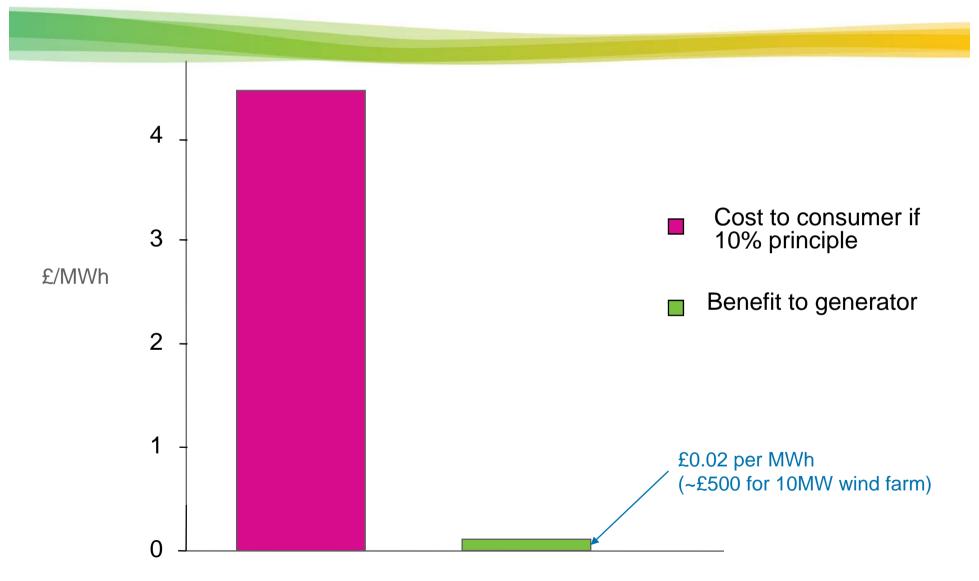




- > Ineffective negligible impact on investment decisions
- > Inefficient misallocates resources
- > Confusing to consumers limits consumer choice
- > Hugely expensive for consumers that participate
- > Depends on and potentially undermines the RO

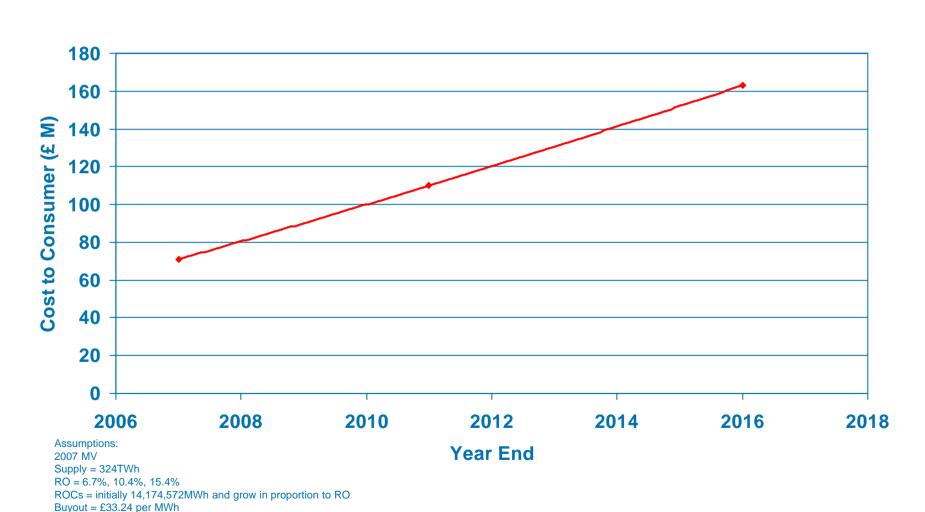
Ineffective - Cost to consumers v benefit from ROC cancellation







Large scale - Cost to Maintain a £5 per MWh Recycle Benefit from 2007 to 2016



British Energy

Inefficient - Where does the extra money go?

> Suppliers

- > Recycle is first collected by suppliers!
- > Suppliers who participate in ROC cancellation may agree to share recycle
- > Non-participating suppliers may keep the benefit
- > By default, suppliers who own ROCable generation will benefit from windfalls

Senerators

- > Any shared money goes only to existing generators
- > To all generators whether they exist or not, whether they need it or not





Confusing - Renewables Obligation Compliance

An electricity supplier must discharge its Renewables Obligation by:

(1) Acquiring Renewable Obligation Certificates (ROCs)

AND / OR

(2) Paying a buyout (fixed £/MWh amount)

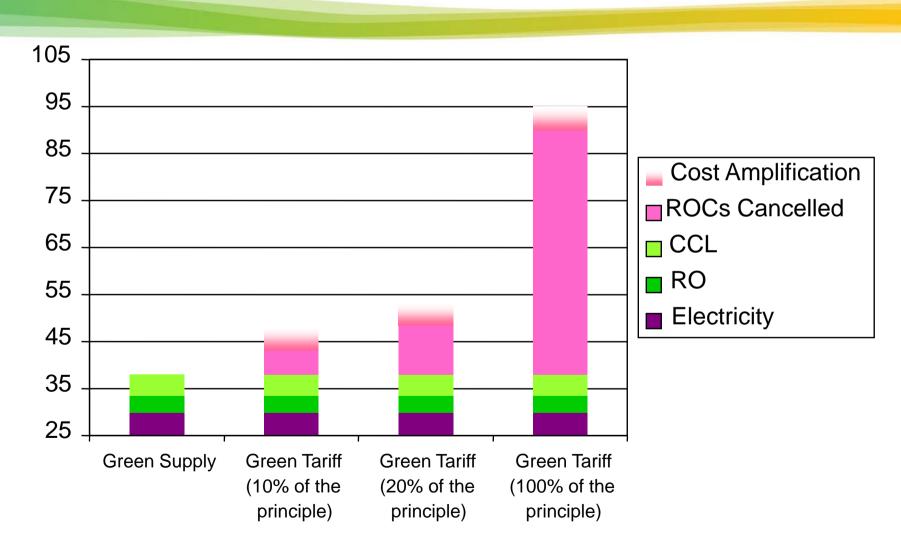
which together equal a specified percentage of the MWh supplied

The Renewables Obligation is **NOT** an obligation to buy ROCs!

Buying a ROC does **NOT** require the purchase of renewable electricity!!



Expensive - Cost to the participating consumer









Acceptable

cost

to

consumers

Renewables Obligation

A market mechanism to collect subsidy from consumers and pass it onto renewable generators (via suppliers)

EU

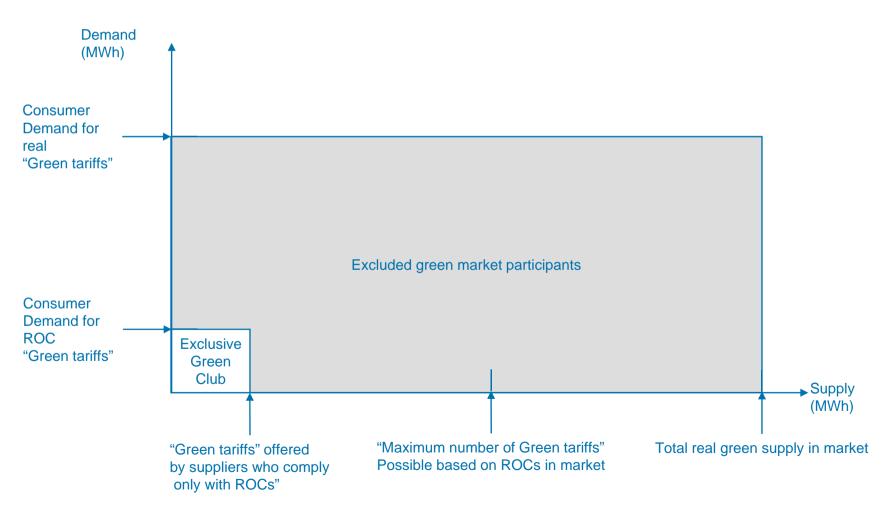
State

Aid

Clearance



Limits competition amongst consumers







> Tom

Band	gCO2/kWh	Example
Α	0-30	Wind, Nuclear, Hydro
В	30-100	Marine, Photovoltaic
С	100-250	CCS, GQCHP
D	250-500	CCGT gas and other CHP
E	500÷	Coal, oil, gas oil

- > Dick
 - > Renewable 'kite' mark
- > Harriett



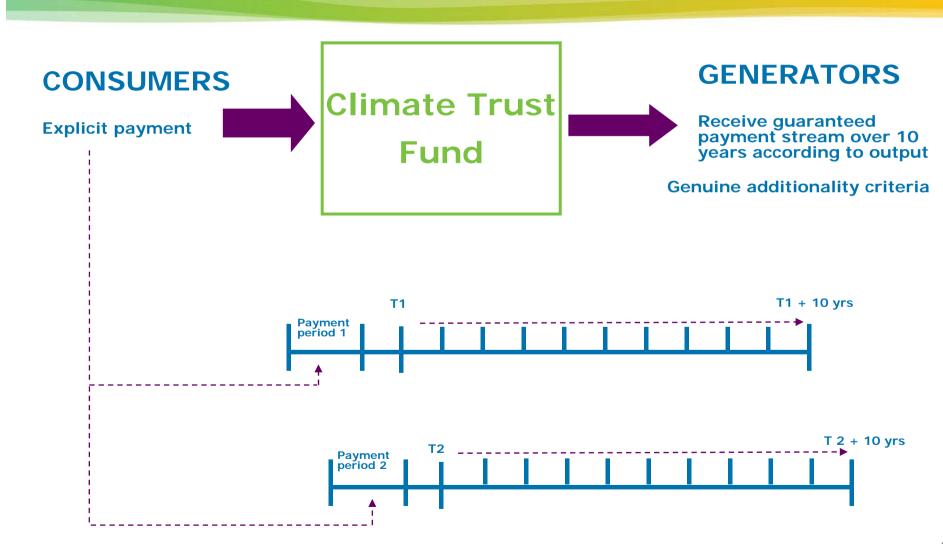


A Climate Trust Fund Scheme











Climate Trust Fund Scheme – How it could work

	Support Options	
Y	Contribution to renewable electricity generators via Renewables Obligation	Consumers made aware they are already paying the
¥	Purchase renewable or low carbon electricity from existing supply Percentage	
	Contribution to Climate Trust Fund 1% 2.5% 5% 7.5% 10% Other	Consumers CHOOSE and know EXACTLY what they are paying for



Assessment Criteria – ROC Cancellation v Climate Trust Fund

	Criteria	ROC Cancellation	Climate Trust Fund
i	Commercial	×	√
ii	EU State Aid	×	√
iii	Additionality	×	√
iv	Transparency	×	√
٧	Verifiability	×	√
vi	Dependability of arrangements	×	√
vii	Acceptable additional cost to consumers	×	√
viii	Independence from existing schemes	×	