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UNINTENDED CONSEQUENCES A Research Synthesis Examining the Use of Reflective Pavements to Mitigate the Urban Heat Island Effect A White Paper Prepared by

Unintended Consequences - d3dqsm2futmewz.cloudfront.net

We ask whether unintended consequences associated with ethanol blending, land-use changes, uncontrolled emissions, and innovation incentives increase or decrease the relative efficiencies of the different policies.

Unintended Consequences of Transportation Carbon Policies

Unintended Effects of Residential Energy Storage on Emissions from the Electric Power System.

Unintended Effects of Residential Energy Storage on

UNINTENDED CONSEQUENCES OF PRICE CONTROLS: AN APPLICATION TO ALLOWANCE MARKETS
Andrew Stocking (andrew.stocking@cbo.gov) Microeconomic Studies Division Congressional Budget Office
Washington, D.C. September 2010 Working Paper 2010-06 Working papers in this series are preliminary and are circulated to stimulate discussion and critical comment.

Unintended Consequences of Price Controls: An Application

focus on the third unintended consequence of ethanol production and use by exploring the following hypotheses: I. Expanded ethanol use for transportation will shift criteria air pollutant emissions from urban areas where ethanol is used as a fuel to rural areas where feedstock and fuel ethanol are produced. II.

Unintended Consequences of Ethanol Production: A

ginal " emissions, our approach is based on hourly load and emissions data across different interconnections of the electricity grid [Figures 2 and 3]. The results can be used to estimate the effect on CO2 emissions from any electricity-shifting policy; we focused on increased demand to charge electric cars.

Research Summaries Environment, Energy, and Unintended

CONFLICTS AND UNINTENDED CONSEQUENCES OF MOTOR FUEL STANDARDS HEARING BEFORE THE SUBCOMMITTEE ON ENERGY AND ENVIRONMENT COMMITTEE ON SCIENCE, SPACE, AND TECHNOLOGY HOUSE OF REPRESENTATIVES ... not only tailpipe emissions but also evaporative emissions from motor fuels.

CONFLICTS AND UNINTENDED CONSEQUENCES OF MOTOR FUEL STANDARDS

Scholars have evaluated life cycle environmental impacts of Chinese products to provide guidance for the economic restructuring.^{9,18,19} There are mainly two limitations in previous studies: (1) unintended environmental consequences and

Unintended Environmental Consequences and Co-benefits of

Introduction\$ \$ The! EU! Emissions! Trading! System! (EU! ETS)!launched! in! 2005,!is! Europe's! flagship!climate!change!policy!to!meet!its!carbon!mitigation ...

The effects and side-effects of the EU emissions trading

Lifecycle GHG emission reduction thresholds⁵ (see blue box at right). Under the RFS, the EPA is required to apply lifecycle GHG emissions performance threshold standards to ensure that the renewable fuel pathway

(see Figure 1) transportation, and use of finished emits fewer GHGs than the petroleum fuel it replaces.⁶
Figure 1.

EPA Has Not Met Certain Statutory Requirements to Identify

Publisher's PDF, also known as Version of record Publication date: ... Master Programme Energy and Environmental Sciences Problem shifting in transport systems Analysing and balancing unintended consequences of CO₂ emission reduction in Dutch transport Malte Gebler EES 2013-179 T University of Groningen .

University of Groningen Problem shifting in transport

The study also warned that large-scale capture and storage of carbon dioxide would decrease sulphur dioxide emissions, but might lead to increased nitrogen oxide emissions. Both technologies could turn out to have an unfavourable effect on air quality, the study said.

The Unintended Consequences of Climate Change Solutions

unintended consequences associated with ethanol blending, land-use changes, uncontrolled emissions, and innovation incentives increase or decrease the relative inefficiencies of the different policies.

Unintended Consequences of Carbon Policies: Transportation

emissions from the average car sold in the UK 1 Calculations based on data from Office for National Statistics, Environmental Accounts: ... have been unintended consequences which policy makers should take cognisance of and certainly be aware of if they continue with this policy.

THE UNINTENDED CONSEQUENCES OF FREEZING FUEL DUTY

Unintended consequences as inherent risks of modern ... Can also be applied to other measures to reduce energy use and emissions in relation to climate change ... Direct rebound effects are sufficiently large to cause a "backfire" that is they lead to

Unintended Consequences of Renewable Energy - IEEA

Renewable fuel standards, low carbon fuel standards, and ethanol subsidies are popular policies to incentivize ethanol production and reduce emissions from transportation.

(PDF) Unintended Consequences of Carbon Policies

This CBO report examines the unintended effects on the competitiveness of U.S firms of an economywide policy, such as a carbon tax or a cap-and-trade program, that would reduce emissions by imposing a price on them.

Border Adjustments for Economywide Policies That Impose a

As a major sector contributing to the UK's greenhouse gas (GHG) emissions, housing is an important focus of government policies to mitigate climate change. Current policy promotes the application of a variety of energy efficiency measures to a diverse building stock, which will likely lead to a wide range of unintended consequences. We have undertaken a scoping review identifying more than ...

100 Unintended consequences of policies to improve the

Unintended Consequences / John Ross. p. cm. ISBN 1-888118-04-0 I. Title. PS3568.O84348U55 1995 813 ' .54 --dc20 95 -41174 CIP Fourth Printing 0987654 Printed in the United States of America . Dedication This book is dedicated to the three women in my life: My mother, Lucianna Ross, who taught me by her example that you have to spend on your ...

John Ross Unintended Consequences - Freedoms Phoenix

In this paper, we will review the intended and unintended consequences of the two main biofuel policies in the US - the Renewable Fuel Standard (RFS) and the California Low Carbon Fuel Standard (LCFS).

Intended and Unintended Consequences of US Renewable

RCRA Regulation of Air Emissions: Little Hocking's Unintended Consequences. ... most waste generators have been able to safely ignore air emissions when navigating the complex regulations and guidance implementing the Resource Conservation and Recovery Act (RCRA) – the primary federal law governing the disposal of solid and hazardous waste ...

RCRA Regulation of Air Emissions: Little Hocking's

CESifo Working Paper No. 3466 Unintended Detrimental Effects of Environmental Policy: The Green Paradox and Beyond Abstract Well-intended policies aimed at reducing greenhouse gas emissions may ...

Unintended Detrimental Effects of Environmental Policy

Unintended Consequences of Atmospheric Injection of Sulphate Aerosols Barry Goldstein, Peter H. Kobos, and Patrick V. Brady Prepared by Sandia National Laboratories ... would require additional sulphur emissions to mitigate the additional warming (Eliseev, Chernokulsky et al. 2009).

Unintended Consequences of Atmospheric Injection of

Unintended Consequences from Nested State & Federal Regulations: The Case of the Pavley Greenhouse-Gas-per-Mile Limits Lawrence H. Goulder Stanford University, Resources for the Future, and NBER

Unintended Consequences from Nested State & Federal

Current economic restructuring policies have ignored unintended environmental consequences and cobenefits, the understanding of which can provide foundations for effective policy decisions for green economy transformation.

Unintended Environmental Consequences and Co-benefits of

i Exploring Unintended Environmental and Social-Equity Consequences of Transit Oriented Development A National Center for Sustainable Transportation Research Report

Exploring Unintended Environmental and Social Equity

Rebound - Unintended consequences from transport policies and technology innovations A transport factfile from the Institution of Engineering and Technology 4 Introduction Transport now accounts for about 20% of global man-made carbon dioxide emissions and 24% of emissions in the United

Rebound: unintended consequences of transport policy and

Here are five more examples of unintended consequences. 1. –Shoot, Shovel, and Shut Up– ... The hodgepodge of standards simply raised the total costs of vehicles while doing little to reduce total US emissions. 4. Jane Jacobs Combats City Planning.

5 Unintended Consequences of Regulation and Government

Researchers find unintended consequences of geoengineering to slow climate change 9 September 2015, by Mark Dworzan A large phytoplankton bloom off the coast of Portugal.

Researchers find unintended consequences of geoengineering

emissions, offsetting some of the environmental gains from its use as a fuel.7 Perhaps the most unexpected consequence of the policy has been its impact on worldwide food prices.

MeRCaTUs ReseaRCh

The Effects of Restricting Coal Consumption on Coal Exports and Greenhouse Gas Emissions . Andre Barbe . U.S. International Trade Commission and van Benthem, –Unintended Consequences from Nested State and Federal Regulations: The Case of the Pavley Greenhouse-Gas-per-Mile Limits.– 18.

The Effect of Restricting Coal Consumption on Coal Exports

The Unintended Consequences of Sulfate Aerosols in the Troposphere and Lower Stratosphere
Massachusetts Institute of Technology ... Potential consequences If global emissions continue to grow at such rates, the consequences could be dire. Schneider (2009) ...

Sulfate aerosols in the troposphere and lower stratosphere

A low carbon fuel standard (LCFS) and ethanol subsidies have similar effects while costs under an equivalent cap and trade (CAT) system are essentially zero. In addition, the alternatives to CAT magnify errors in assigning emissions rates to fuels and can over or under-incentivize innovation.

DSpace@MIT: Unintended Consequences of Transportation

Research Article Biofuel Expansion, Fertilizer Use, and GHG Emissions: Unintended Consequences of Mitigation Policies ... Also, the law of unintended consequences results in an inadvertent increase in global greenhouse gas emissions. 1. Introduction

Research Article Biofuel Expansion, Fertilizer Use, and

As a result, there is a growing volume of greenhouse gas emissions from the fleet of used vehicles, many of which have been on the road for 10 years or more.

The Unintended Consequences of Ambitious Fuel-economy

Otto Andersen Unintended Consequences of Renewable Energy Problems to be Solved. ... highlight the unintended consequences of renewable energy in the first place, and ... efficiency of biofuels as a measure to reduce GHG emissions. However, such unintended consequences of the biofuels policy could have been predicted, and

Otto Andersen Unintended Consequences of Renewable Energy

regulate emissions for climate change purposes. 6 In response, a number of parties, including 12 states and a range of environmental advocacy groups, sued for a rever-

UNINTENDED CONSEQUENCES AND CASCADING IMPACTS - rstreet.org

Measurements, Diagnostic Methods, and Mitigation Techniques Presented to IEEE Rock River Valley Section October 25, 2012 by ... "Current flow along unintended paths. This is a concern is for two reasons: ... Emissions exceeding the requirements were seen at both low (left side) and high (right side) frequencies. ...

Conducted Emissions: Measurements, Diagnostic Methods, and

Stern's conclusions about the need for emissions reductions only hold if his position on intergenerational equity " in other words his use of a low discount rate " is accepted.

OFCLIMATECHANGEPOLICY - The Global Warming Policy

Department of Engineering Science Air pollution from vehicles - legislation and low emissions zones - unintended consequences and nudges Felix Leach

Air pollution from vehicles - legislation and low

Emission Standards PDF. For Later. save. Related. Info. Embed. Share. Print. Search. Related titles. article 6. Clean Air for an Enhanced Quality of Life. Our Services, Bac. ... that are uniform across emission sources. the unintended effect of setting a standard may in reality be to discourage investment in new and improved pollution control ...

Emission Standards PDF | Emission Standard | Air Pollution

As a major sector contributing to the UK's greenhouse gas (GHG) emissions, housing is an important focus of government policies to mitigate climate change. Current policy promotes the application of a variety of energy efficiency measures to a diverse building stock, which will likely lead to a wide range of unintended consequences.

100 Unintended consequences of policies to improve the

Unintended consequences from transport policies and technology innovations ... Policy makers have to account for rebound effects when implementing CO 2 emission targets. ... Transport now accounts for about 20% of global man-made carbon dioxide emissions and 24% of emissions in the United States. ...

Rebound: unintended consequences of transport policy and

Unintended Consequences of Green Technologies 2 In 1936, Robert K. Merton advanced a definition of unintended consequences that would go on to inform much contemporary thought on the subject. He pointed out two methodological pitfalls that arise when putting the term to work.

Unintended Consequences of Green Technologies | Ozzie

A low carbon fuel standard (LCFS) and ethanol subsidies have similar effects while costs under an equivalent cap and trade (CAT) system are essentially zero. In addition, the alternatives to CAT magnify errors in assigning emissions rates to fuels and can over or under-incentivize innovation.

Unintended Consequences of Transportation Carbon Policies

“Even if you do it at a global level and, say, ramp up the dosage to try and see the effects, it would take far far too long to distinguish between noise and signal,” says Bunzl.

Unintended consequences: Climate-hacking poses big ethical

Here, with simulation modeling, we explore two scenarios for cellulosic biofuels production and find that both could contribute substantially to future global-scale energy needs, but with significant unintended environmental consequences.

Unintended Environmental Consequences of a Global Biofuels

“Unintended possible consequences of fuel input taxes for individual investments in greenhouse gas mitigation technologies and the resulting emissions,” ... emissions makes them economically relevant: comparing the resulting emissions costs to the abatement cost,

Unintended possible consequences of fuel input taxes for

The unintended reduction in net carbon emissions following the decline of mollusc populations in the CRD further demonstrates the need to seek solutions to pressing global challenges that maximize ecosystem services while maintaining ecosystem function as new social priorities emerge or new scientific insight is gained [69–71].

Unintended carbon consequences | Open Science

Transmitting Environmentalism?: The Unintended Global Consequences of European Union Environmental Policies Carolyn M. Dudek Global Environmental Politics, Volume 13, Number 2, May 2013, pp. 109-127

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