

Abstract Submitted
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Reducing Energy Consumption and CO2 One Street Lamp at a Time PETER SOMSSICH, Osram Sylvania Inc. — Why wait for federal action on incentives to reduce energy use and address Greenhouse Gas (GHG) reductions (e.g. CO₂), when we can take personal actions right now in our private lives and in our communities? One such initiative by private citizens working with Portsmouth NH officials resulted in the installation of energy reducing lighting products on Court St. and the benefits to taxpayers are still coming after over 4 years of operation. This citizen initiative to save money and reduce CO₂ emissions, while only one small effort, could easily be duplicated in many towns and cities. Replacing old lamps in just one street fixture with a more energy efficient (Non-LED) lamp has resulted after 4 years of operation (~15,000 hr. life of product) in real electrical energy savings of > \$43. and CO₂ emission reduction of > 465 lbs. The return on investment (ROI) was less than 2 years. This is much better than any financial investment available today and far safer. Our street only had 30 such lamps installed; however, the rest of Portsmouth (population 22,000) has at least another 150 street lamp fixtures that are candidates for such an upgrade. The talk will also address other energy reduction measures that green the planet and also put more green in the pockets of citizens and municipalities.

Peter Somssich
Osram Sylvania Inc.

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