

What is to be done

- The Sherman Act
 - What is not clear is whether the actual laws, despite their laudable goals, do more harm than good. If the laws really punish successful firms, then they achieve inefficiency, not efficiency.

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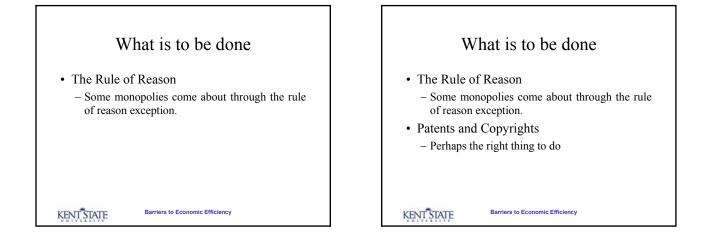
Barriers to Economic Efficiency

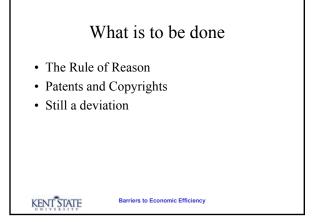
What is to be done The Sherman Act Some economists argue that the Sherman Act has been misamliad Businesses use it

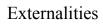
• Some economists argue that the Sherman Act has been misapplied. Businesses use it to deter competition, not to promote it.

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Barriers to Economic Efficiency







• Free markets also fail to result in Pareto Efficiency when there are *externalities*, which occur whenever a person does not have to take all of the costs *and benefits* of an action into account in making a decision.

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Externalities-Examples Negative Externalities - A railroad, will run by a resort, visiting pollution and noise costs on the resort. - A resort opens next to a steel mill; pollution regulations require the mill to close. - People smoking in public, causing others to suffer second hand smoke.

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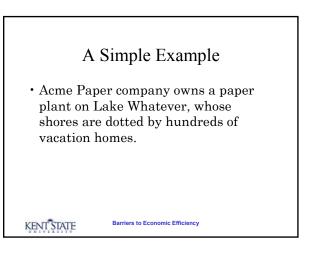
Externalities-Examples

- Positive Externalities
 - An apiary adjacent to an orchard would increase its yield and profit.
 - traffic, and increase the value of An new store will generate all sorts of adjoining sites.

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Externalities: Non-examples • The following are not examples of externalities. - I go to the store and purchase an apple, thus reducing the number of apples others may eat. - I smoke in private, running the risk of lung cancer. arriers to Economic Efficiency KENT STATE



A Simple Example

- Acme Paper company owns a paper plant on Lake Whatever, whose shores are dotted by hundreds of vacation homes.
- Whenever Acme produces paper, it discharges emissions into the water that reduce the attractiveness of Lake Whatever for the homeowners.

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A Simple Example Marginal Damage to Lake's Net Marginal Social Tons of Cost of Recreation Cost (3) = (1)+ (2) Production Paper Value Produced (1) (2) 1 3 2 5 2 4 3 7 3 5 4 9 4 5

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5

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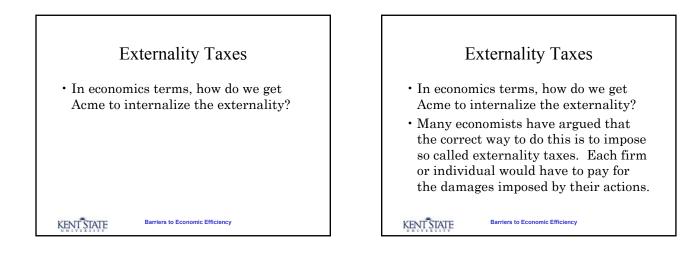
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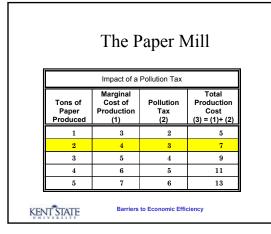
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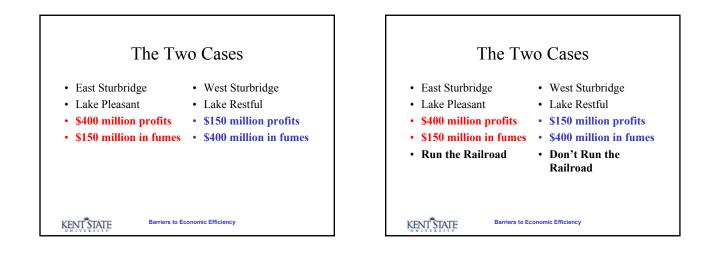
The Coase Theorem

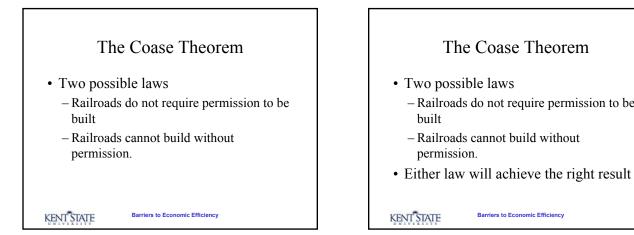
- The West Sturbridge Coal Company proposes to build a railroad from a newly discovered coalfield in West Sturbridge to a nearby power plant.
- The profits will be \$150 million.
- It would run close by Lake Restful Resort, Inc. Diesel fumes will cause \$400 million in lost profits to Lake Pleasant Resort.

the Two Cases
East Sturbridge
Lake Pleasant
\$400 million profits
\$150 million in fumes
\$400 million in profits
\$400 million in fumes

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Barriers to Economic Efficiency





Law	Impact on East Sturbridge (B=400, C=150)	Impact on Wes Sturbridge (B=150, C=400
Permission Required	Railroad built. Resort accepts payment of \$150-\$400 million to give permission	Railroad is not build. Railroad unwilling to pay \$400 million payment to get permission.
Permission Not Required	Railroad built. Resort is unwilling to pay \$400 million to stop construction	Railroad is not build. Resort is willing to pay \$150-\$400 millior to stop construction.

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The Coase Theorem

- Railroads do not require permission to be

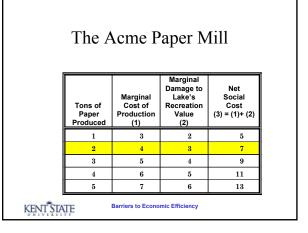
Barriers to Economic Efficiency

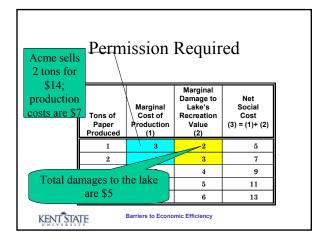
- Railroads cannot build without

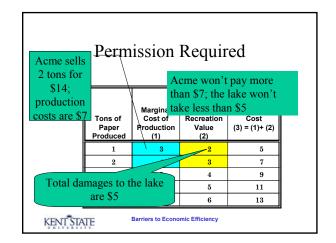
built

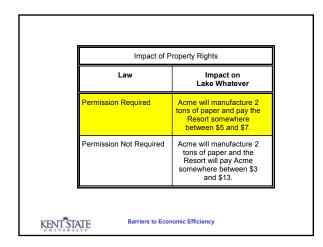
permission.

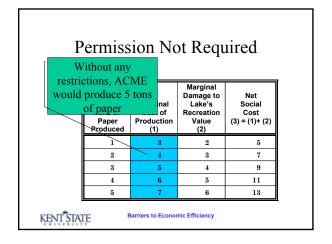
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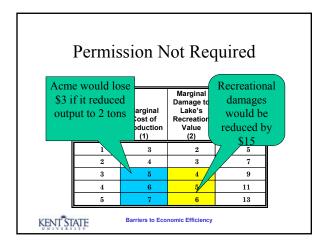


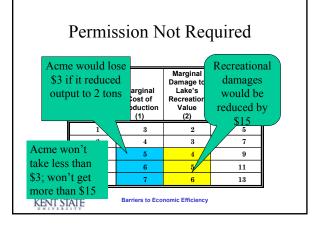






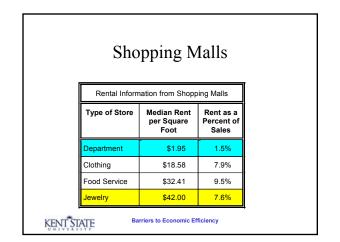






Impact of Property Rights	
Law	Impact on Lake Whatever
Permission Required	Acme will manufacture 2 tons of paper and pay the Resort somewhere between \$5 and \$7.
Permission Not Required	Acme will manufacture 2 tons of paper and the Resort will pay Acme somewhere between \$3 and \$15.

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	End		
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