Chapter written by Yeatts, Cooksey and Messenger: An Historical Overview of the Environment and Sustainable Communities

Introduction to Sustainable Community Development

What do we mean by "sustainable community development?

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How is Sustainable Community Development related to Environmental Sociology? Environmental Sociology includes a variety of areas including (but not limited too): • climate change and its effects, • biodiversity issues, • Air and water pollution, causes and solutions • Strategies for reducing global warming • Sustainable Community Development

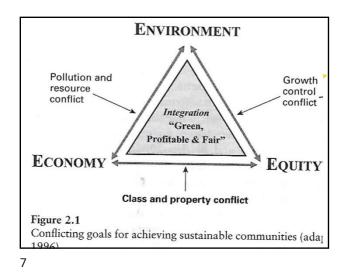
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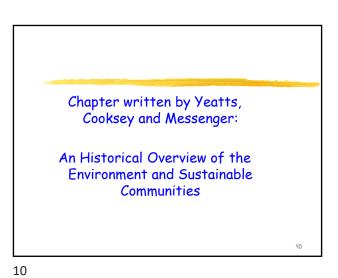






An examination of the history of the environmental movement can help us see how SCD emerged.

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From an historical perspective what were/are some of the <u>broader social</u> <u>beliefs and developments</u> that were allowing environmental pollution to occur? Industrial revolution combined with:

- Capitalism
- American values, e.g., materialism, individualism
- Population growth
- Urban development
- The automobile and energy use
- Ignorance



Industrialization and urbanization continued to grow through the 1900s until the environment got so polluted, in the 1960s, there was the beginning of a national movement to protect the environment.



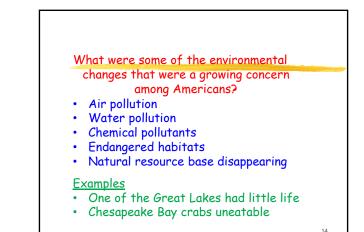
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June 1962: Rachel Carson's Silent Spring was published. Acclaimed as the catalyst of the environmental movement, Silent Spring condemned the overuse of pesticides (DDT).

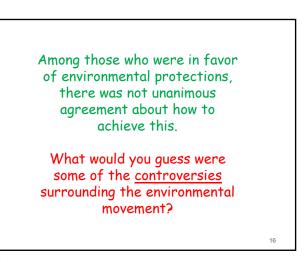
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How did cities and states react to the pollution problem? Did they begin passing strict environmental protections? In general, cities and states had difficulty passing regulations due to a lack of will to upset industry leaders and scare away businesses and their tax revenue. And the prospect of residents loosing jobs from industry shutdown. 15

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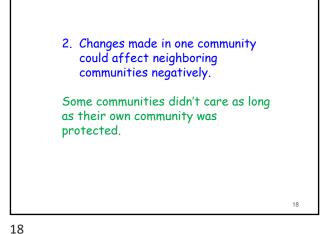
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1. The balance between the environment and the economy.

How much should the businesses of a community "give up" for the sake of the environment and people and to what extent should the environment and people be expected to "suffer" to allow for a thriving economy.



 Environmental pollution got so bad the federal government stepped in, and with it people questioned its amount of authority.
 This began the first of three epochs or eras or time-frames addressing environmental concerns in the U.S.

What would you guess the federal government did to (1) prevent further pollution and (2) repair existing pollution problems (e.g., polluted rivers and lakes)

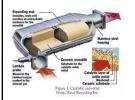
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One example: The catalytic converter was required by law in 1975 A catalytic converter is an exhaust

emission control device attached to motorvehicles that converts toxic gases and pollutants from the internal combustion engine into <u>less-toxic pollutants</u>.



Since 1975, vehicles have needed a catalytic converter to meet **federally mandated emission standards**. 2009 CA required the more effective A CARB-compliant catalytic converter and many states have followed.

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4. (controversies surrounding the environmental movement) While federal regulations have been effective, they have also created problems.
Who was affected by lots of

3a. The Environmental Protection

through rules and regulations.

and others from damaging the

regulations were passed.

environment.

Agency (EPA) was created in 1970 to

address environmental issues primarily

3b. At this time, "command and control"

That is, laws (commands) were put in

place to prevent (or control) businesses

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regulations? and What problems would you guess they created?

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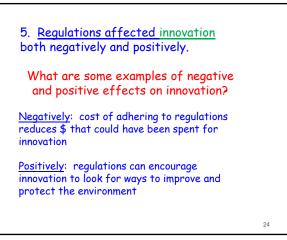
4a. <u>High cost</u> to business and governmental agencies

4b. Tends to <u>focus on punishment</u> of businesses rather than encouraging environmental protections



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4c. Rules/regulations have tended to be added in a <u>sporadic</u>, <u>unorganized way</u>, i.e., whenever Congress can agree, resulting in regulations being cumbersome, <u>unorganized</u> and sometimes complex. These include statutes that are legally enforceable (regulations) as well as directives that may not be legally binding (rules)



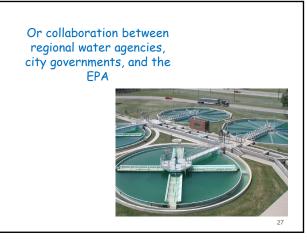
6. In the push to pass laws to protect the environment, there has been a <u>neglect to consider more</u> <u>comprehensive issues and solutions</u> that consider business, environment, and social concerns, simultaneously. Federal agencies have often been unable to address problems in a more comprehensive way due to their "<u>silo"</u> <u>type of organization</u> (e.g. Environmental Protection Agency only considers environmental issues) But to solve the problem requires a more

<u>comprehensive approach</u>, for example, collaboration between EPA and the Department of Transportation and Department of National Parks

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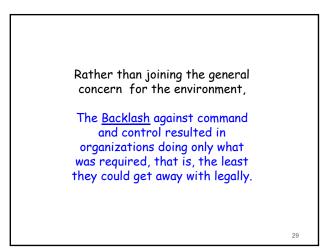
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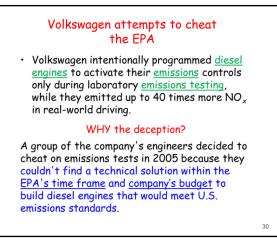


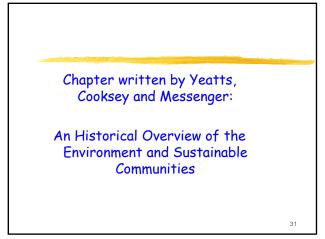
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2. Looked for ways to obtain

"buy-in" from those industries

that might or did pollute (i.e.,

gain their willingness to reduce

pollution)

What could be done to gain buy-in?

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Characteristics of Era 2: 1. Slowed down the creation of regulations, though has continued to add regulations regarding toxic materials and hazardous waste 32 32 1. Educate managers and others on the importance of protecting the environment 2. Provide incentives/rewards for protecting the environment 3. "Advertising" those organizations and businesses that made an effort to protect the environment 4. Establish "certificates" of success 5. Provide financial rewards for those intentionally protecting the environment

Era 2 of the environmental movement: EPA attempted to remove the friction between it and business.

There was a refocus of the EPA toward conciliation between (1) EPA

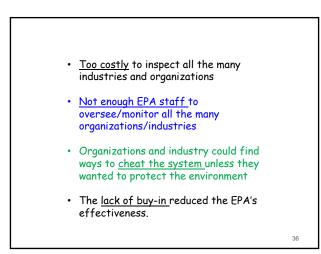
and (2) industry and (3) those concerned for social equity

6. Provide <u>less oversight</u> to those organizations doing a good job protecting the environment

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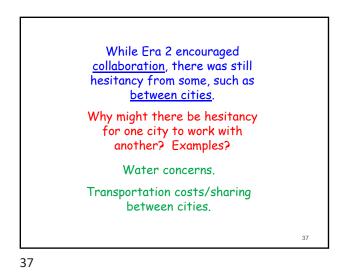
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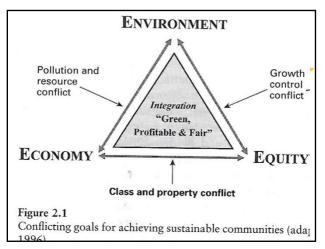


Era 2 arose not just because of a backlash from industry but also because the environmental problem was greater than the Federal and State governments could handle.

Why would you guess the government was unable to handle the problem with regulations alone?

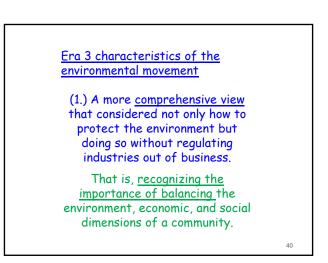
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Within the city, there was a need for collaboration. Who would you guess are some of the groups and organizations that were involved in collaboration to protect the environment within the city? •Transportation planners •Park and Rec./regional agencies •Land-use and city planners •Elected municipal officials •Neighborhood activists

- •Downtown business leaders
- •Environmental groups
- Industry managers

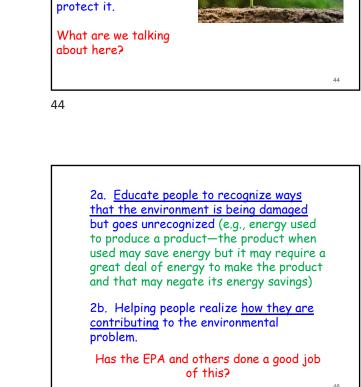






Can the individual behaviors of people make a difference when considering the extent or size of the pollution and global warming problems?

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(characteristics of Era 3

2. A push to get the

environment and how

they can personally

general public to think more about the

continued):

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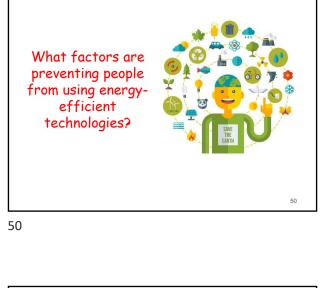


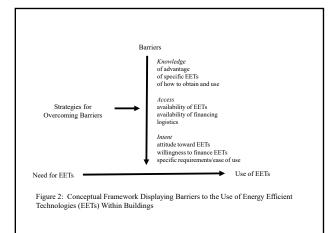
<u>Characteristics of Epoch 3</u>: (continued)

3. Studies to better <u>understand why</u> the public, builders, and others are not using energy-efficient technologies and <u>what</u> <u>can be done</u> to overcome the barriers that exist.

What are examples of: (a) <u>energy-efficient technologies</u> and (b) <u>practices</u> that might be used by the public or general contractors who build buildings?







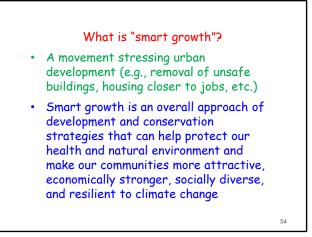
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5. Realization that most polluting organizations <u>are interested in</u> <u>protecting the environment</u> if given the chance, i.e., not "forced" but allowed to find their own solutions (how is this related to innovation?).

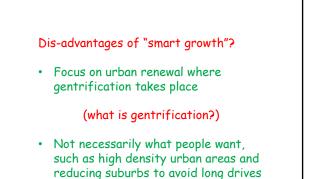
6. Realization that the solution to the environmental problems require the consideration of <u>not only the</u> <u>environment but also economic and social factors</u>

(characteristics of Epoch 3)
4. Recognizing that the EPA is not large
enough to "command and control" all the
organizations that pollute.
How large is the EPA? Employees?
Budget?
Employees: 15,739 (2023)
Annual budget: roughly \$9.16 billion
 (2024)
Regional Offices: 10
How much information is needed by the
EPA to "command and control"?
More than they can afford to collect
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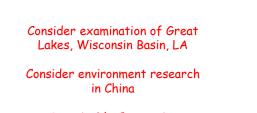
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to work

What are ecological footprints?

- A measure of <u>the "load</u>" placed on the biosphere by a given population or organization.
- Example: a community's combined population and per capita <u>consumption</u> of resources (plus associated waste production)
- <u>Human impacts</u> in terms of the land and water areas appropriated for energy and resource consumption and for waste disposal

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Sustainable Community chapters and Neighborhood chapters

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Plastic Wars (full documentary) | (18 min) https://www.youtube.com/watch?v=-dk3NOEgX7o Creating Sustainable Cities (7:06) https://www.youtube.com/watch?v=ViJIJh-BNq8 Why most Americans support the EPA (4:07) https://www.youtube.com/watch?v=G2Nmhcsxf2k How Obama's EPA Nearly Bankrupted John Duarte's Farm (5:16) https://www.youtube.com/watch?v=glBX6UoBfx8 War on the EPA (3:00) https://www.youtube.com/watch?v=JJ1P9IcTGVY

Sackett v. EPA: How One Couple's Battle Against the Feds Might Protect Your Land (7:38) https://www.youtube.com/watch?v=40iHXAOjJ3U

The Reasoning and Impact of the Supreme Court's Ruling in Sackett v. EPA (first 3 minutes)

https://www.youtube.com/watch?v=UMOSEoUy1pI

Why most Americans support the EPA (4:07) https://www.youtube.com/watch?v=G2Nmhcsxf2k

How Obama's EPA Nearly Bankrupted John Duarte's Farm (5:16) https://www.youtube.com/watch?v=qlBX6UoBfx8

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