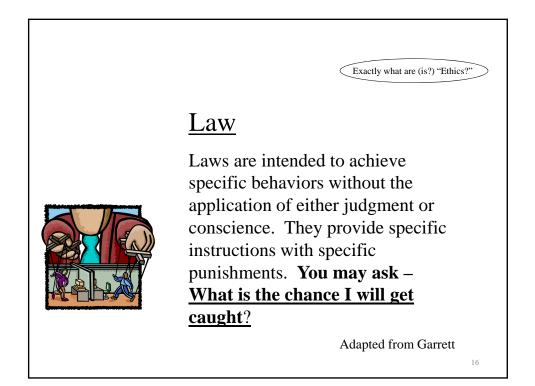


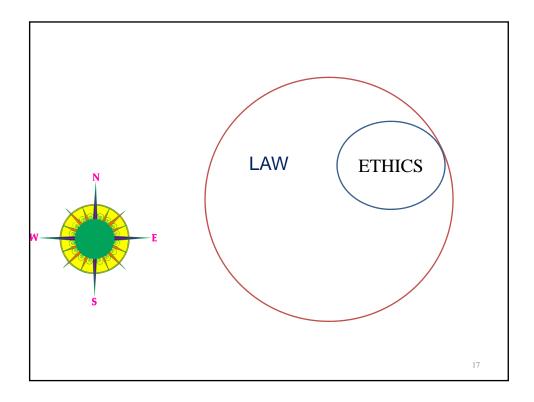
Code of Ethics

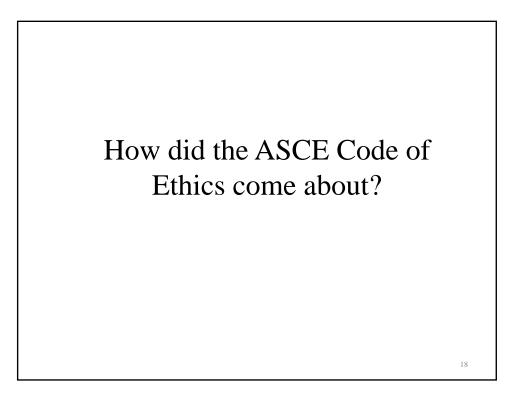
A code of conduct to which a person voluntarily adheres because it reflects his or her values and is believed to be beneficial to society. A guide that, with rare exceptions, does not provide specific instruction. You ask – <u>Is it the</u> <u>right thing to do?</u>

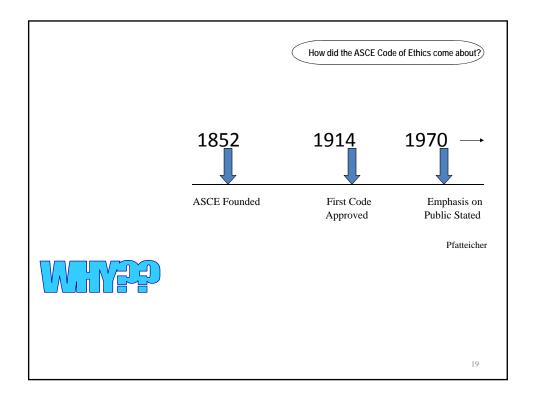
Exactly what are (is?) "Ethics?"

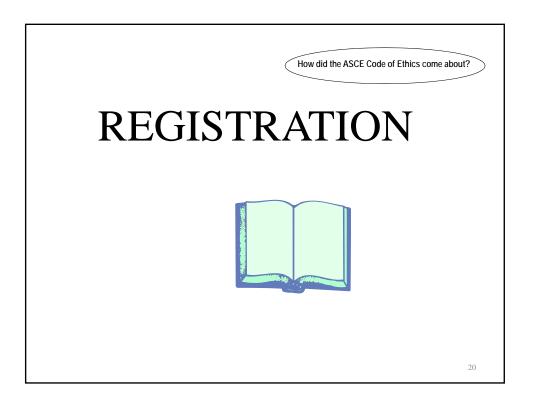


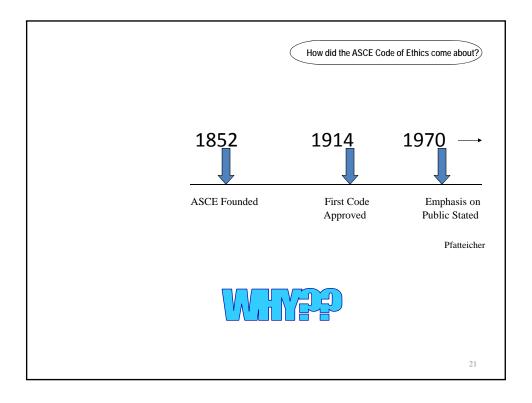


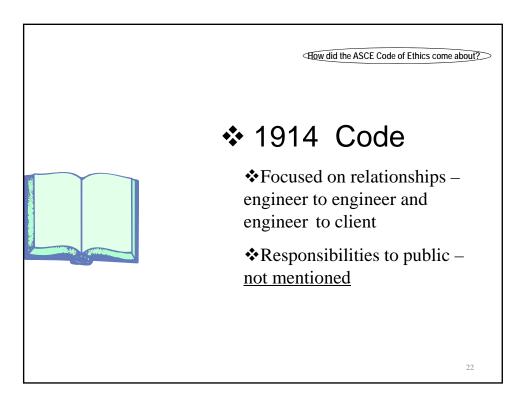


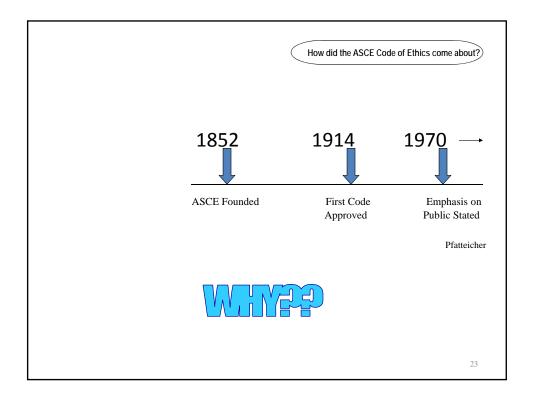


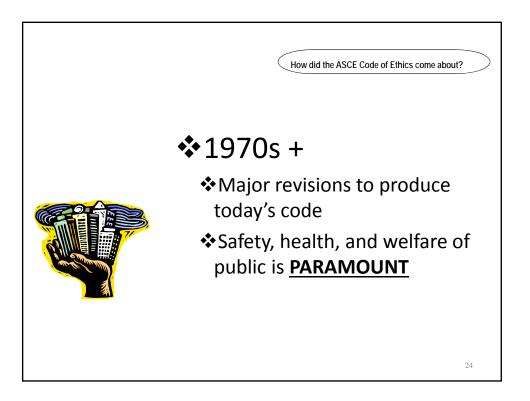


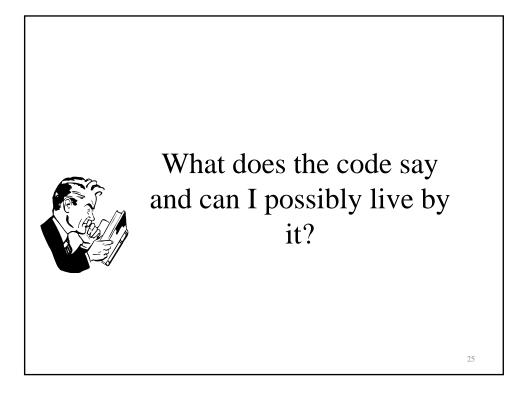


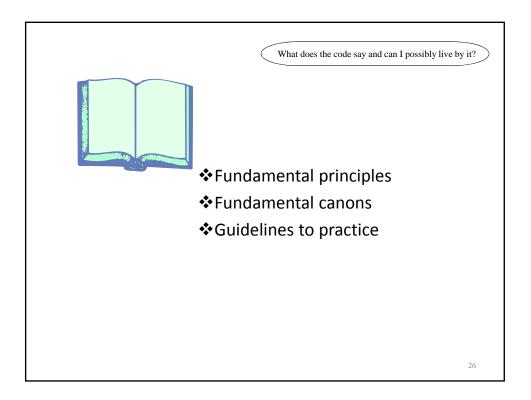




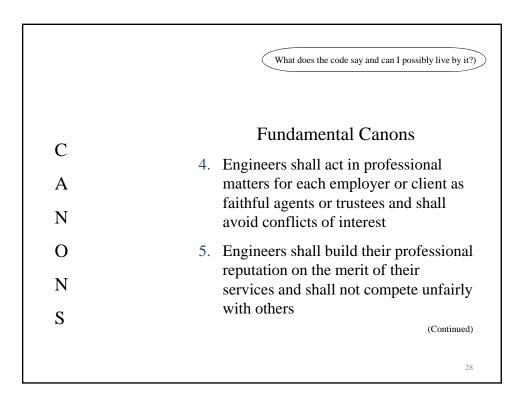




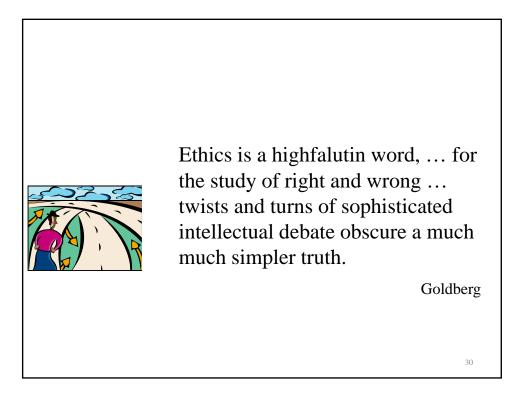




	What does the code say and can I possibly live by it?		
	Fundamental Canons		
C A	 Engineers shall hold paramount the safety, health and welfare of the public and shall strive to comply with the principles of sustainable development in the 		
N	 performance of their professional duties Engineers shall perform services only in 		
0	areas of their competence3. Engineers shall issue public statements		
N	only in an objective and truthful manner		
S	(Continued)		
	27		



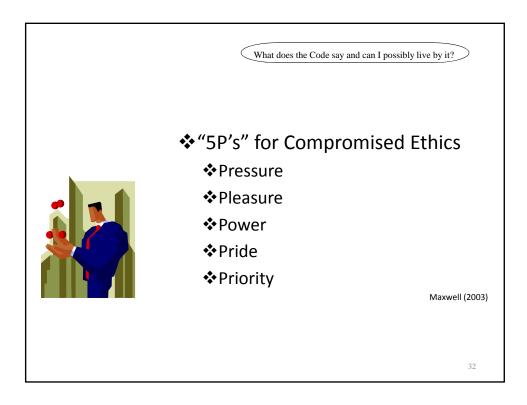
	What does the code say and can I possibly live by it?)
	Fundamental Canons (Concluded)
	runuamental Canons (Concluded)
С	6. Engineers shall act in such a manner as to uphold and enhance the honor, integrity,
А	and dignity of the engineering profession and shall act with zero tolerance, for
Ν	bribery, fraud, and corruption.
0	7. Engineers shall continue their professional development throughout their careers, and
Ν	shall provide opportunities for the professional development of those
S	engineers under their supervision



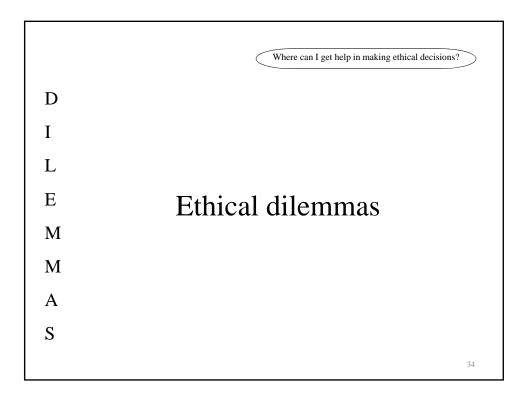


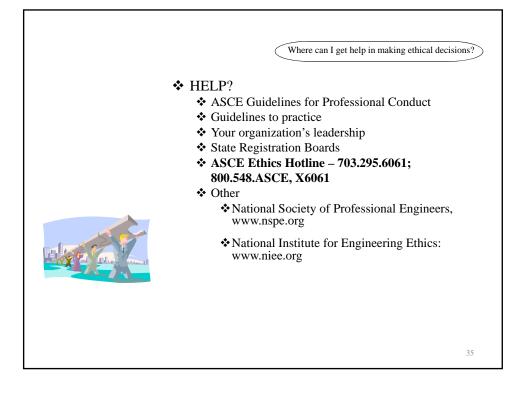
Have we (engineers) ... made the concept of ethical behavior so complex and confusing that we fail to act in ways consistent with moral principles when faced with an ethical dilemma?

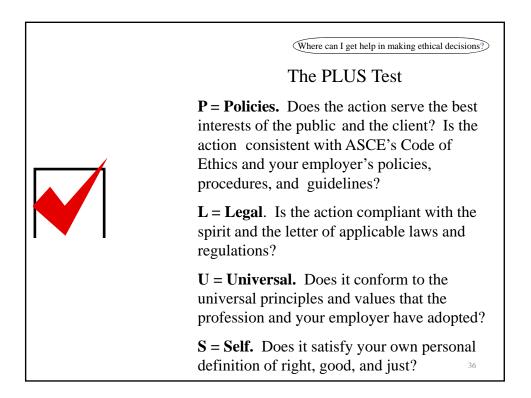
Veach

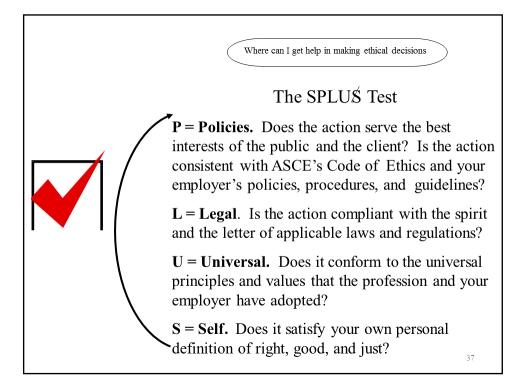


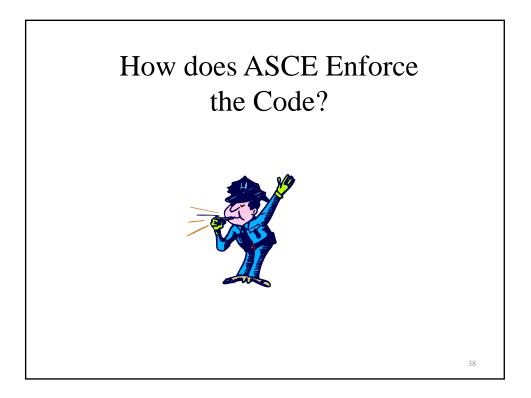




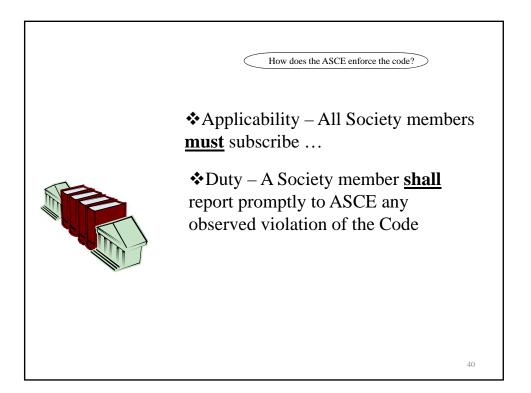




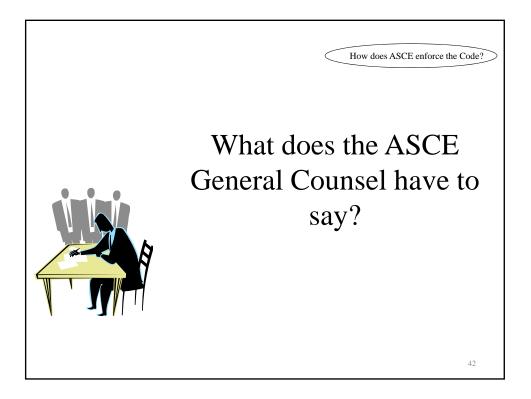


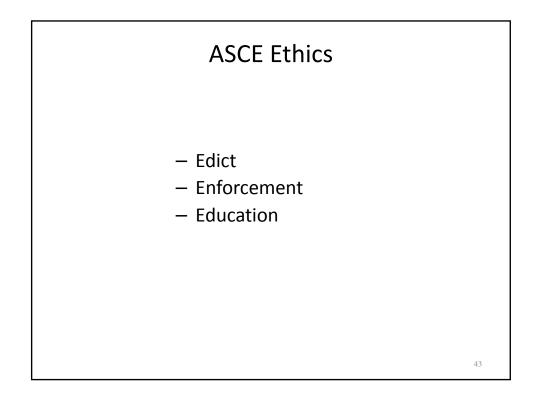


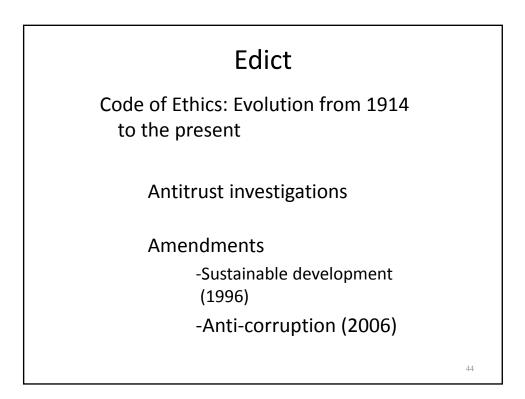


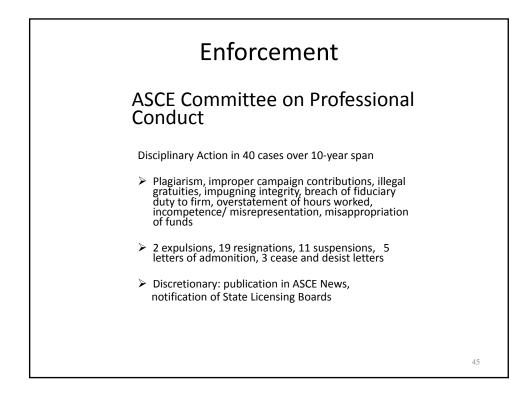




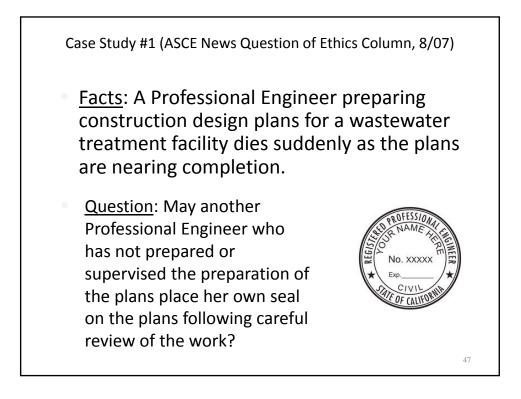


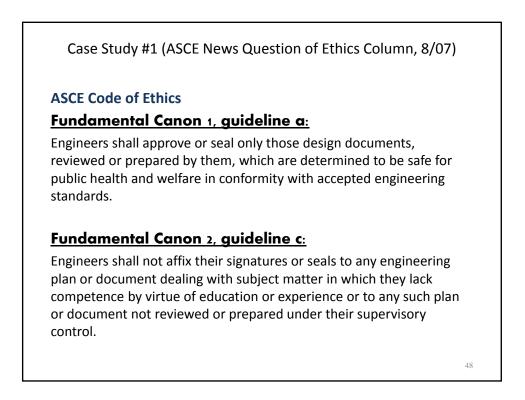


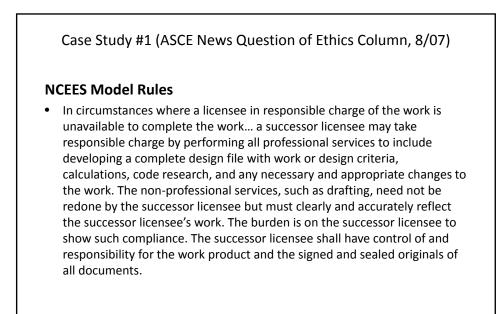


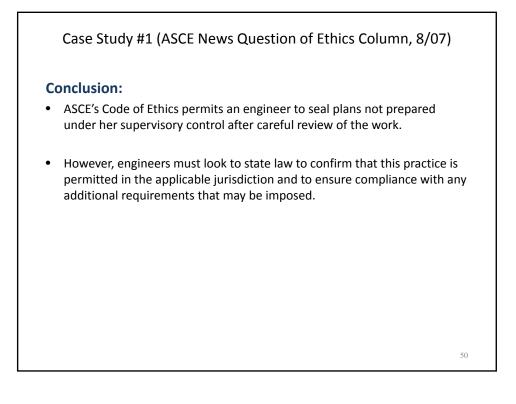


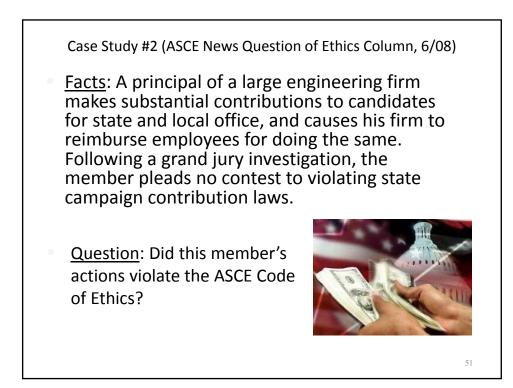


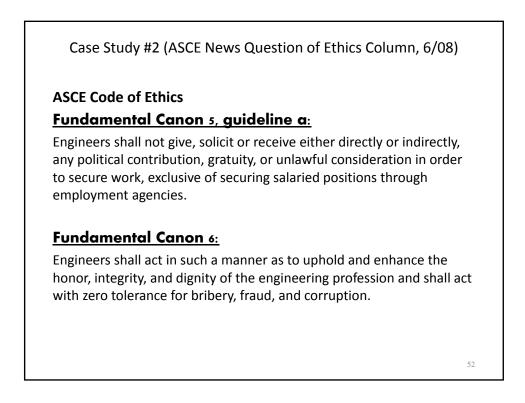


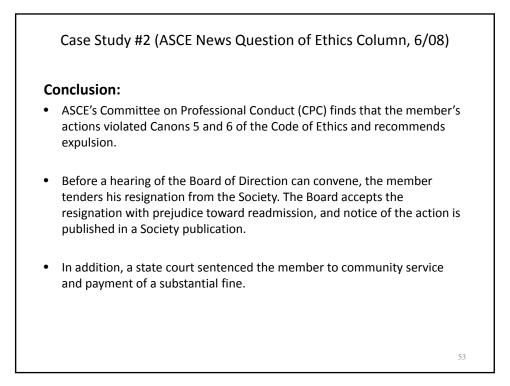


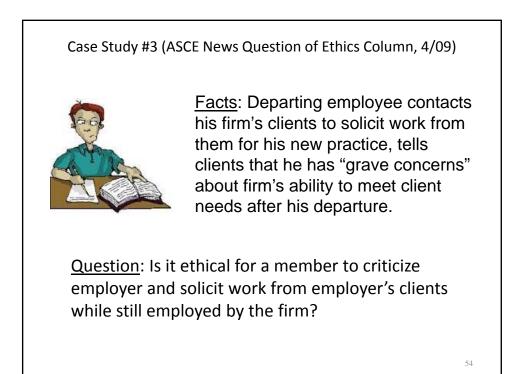




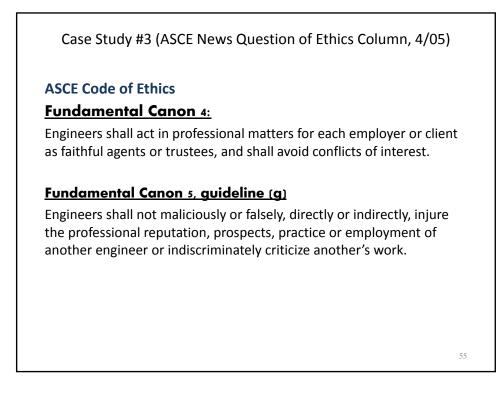


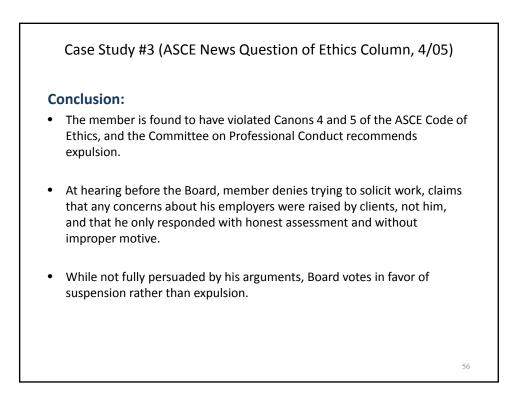




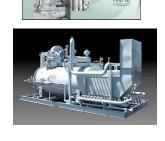


Ethics - the Road Engineers Must Follow





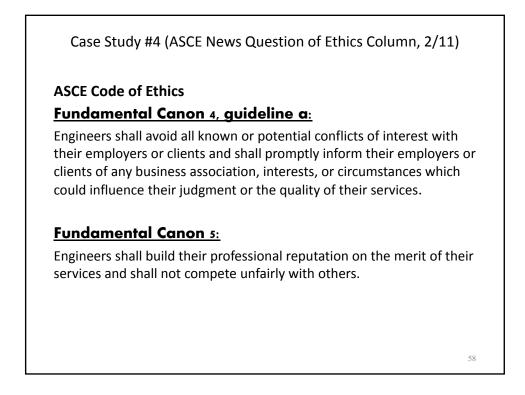
Case Study # 4 (ASCE News Question of Ethics Column, 2/11) 2010 Minimum Facts: Two standards committee members with a personal interest in a product manufacturer issue an opinion in

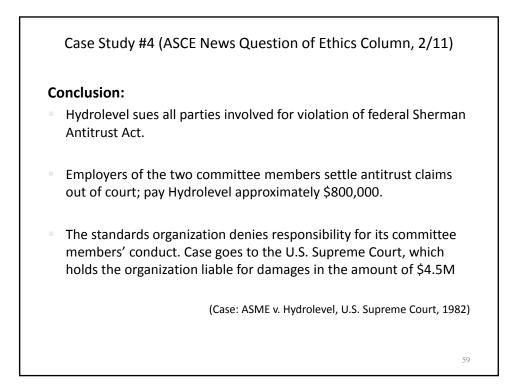


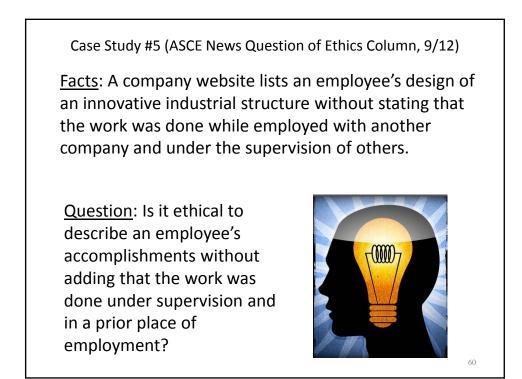
IV

Rules for Construction of Heating Boilers <u>Facts</u>: Two standards committee members with a personal interest in a product manufacturer issue an opinion in the committee's name which incorrectly claims that a competing product produced by a company called Hydrolevel fails to meet the standard's safety requirements.

<u>Question</u>: What are the ethical implications of the engineers' conduct?







Ethics - the Road Engineers Must Follow

Case Study #5 (ASCE News Question of Ethics Column, 9/12)

ASCE Code of Ethics

Fundamental Canon 5, guideline e:

Engineers shall give proper credit for engineering work to those to whom credit is due, and shall recognize the proprietary interests of others. Whenever possible, they shall name the person or persons who may be responsible for designs, inventions, writings or other accomplishments.

Fundamental Canon 5, guideline f:

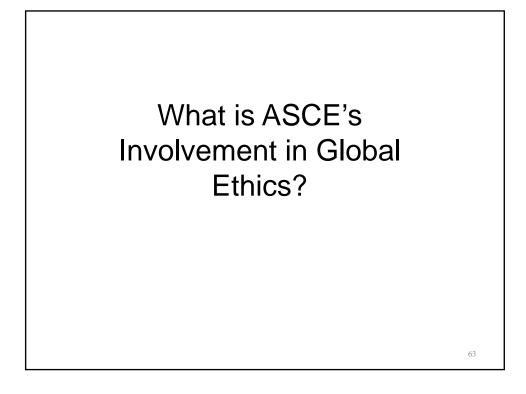
Engineers may advertise professional services in a way that does not contain misleading language or is in any other manner derogatory to the dignity of the profession.

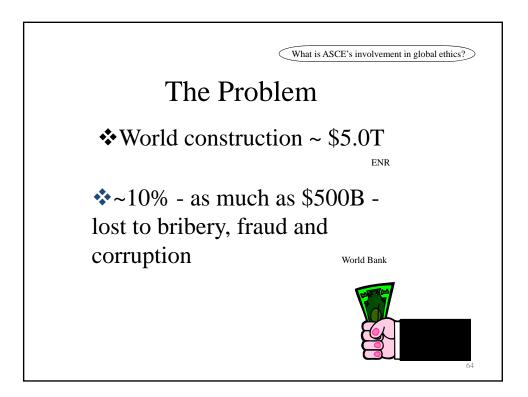
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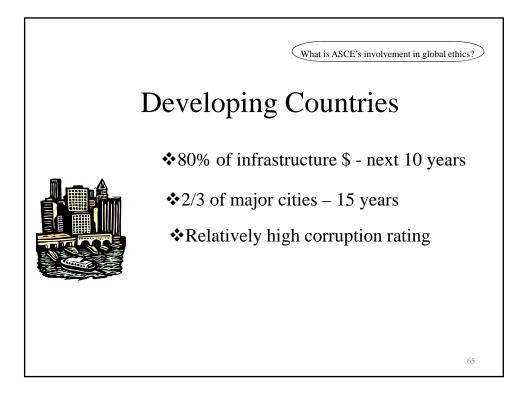
Case Study #5 (ASCE News Question of Ethics Column, 9/12)

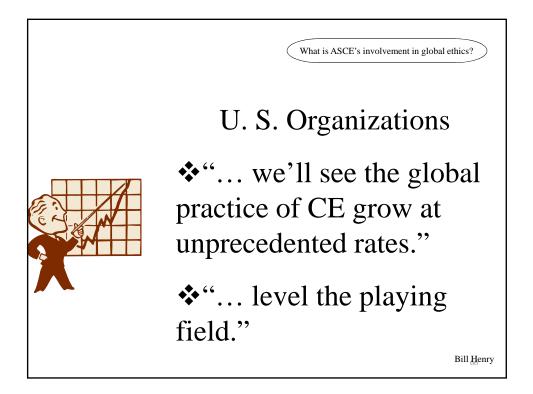
Conclusion:

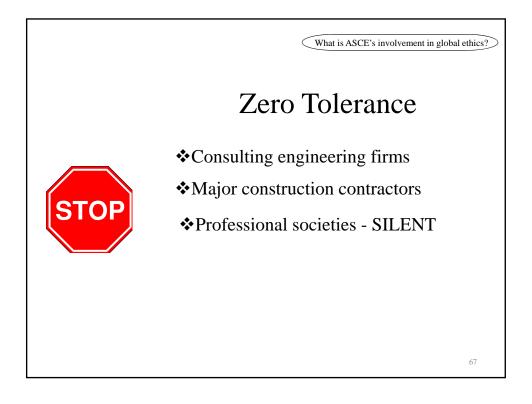
- ASCE's Committee on Professional Conduct concludes that the description on the company website created a false impression as to the responsible party for the project, and therefore represented a violation of Canon 5 of the ASCE Code of Ethics.
- The Committee recommends that the members either revise or remove the project description from the company website, and the members agree to remove the page.

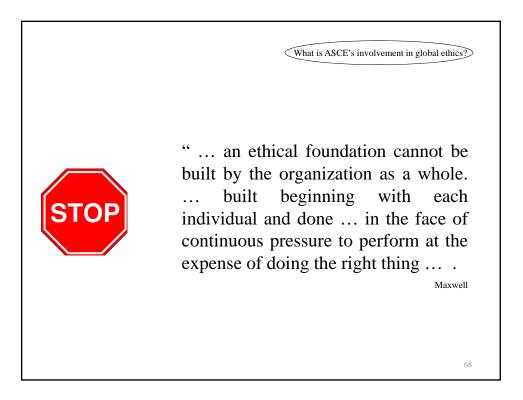


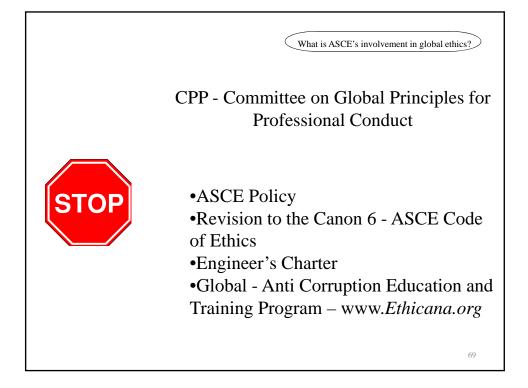




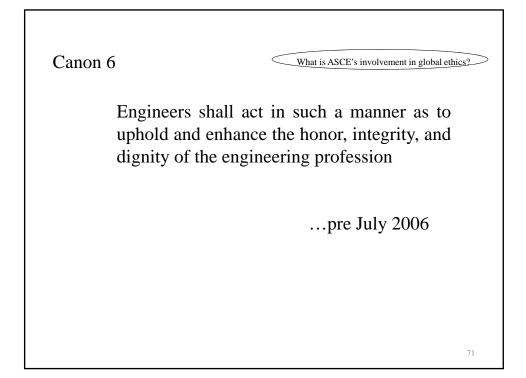






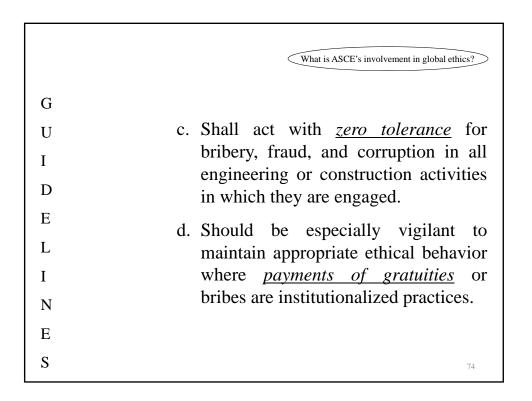


	What is ASCE's involvement in global ethics? The ASCE supports a zero tolerance policy
ASCE Policy	toward bribery, fraud, and corruption in
S	design and construction. ASCE further
Т	actively supports the global effort to stem corruption in the procurement and execution
А	of design services and construction projects.
Т	ASCE openly seeks cooperation with others
Е	in a domestic and international effort to
Μ	empower individual engineers in the fight
E	against corruption through education, awareness and the adoption and enforcement
Ν	of Principles and Guidelines for Professional
Т	Conduct. 70

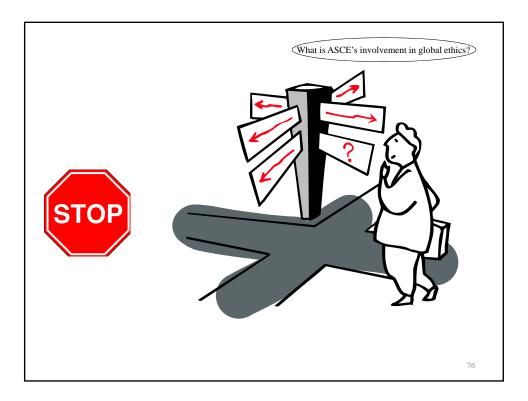


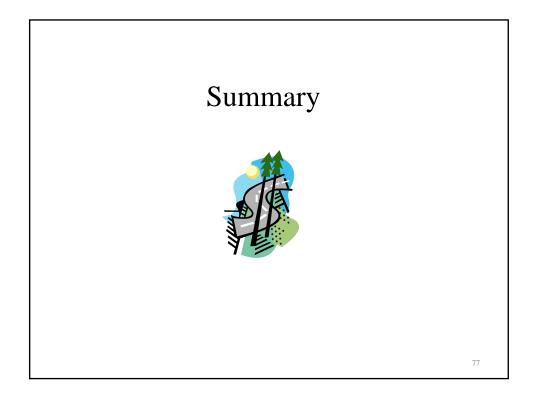
Canon	What is ASCE's involvement in glob	al ethics?
	and shall act with zero tolerance for bribery, fraud, and corruption.	
	added July 2006	
		72

	What is ASCE's involvement in global ethics?
G	Engineers:
U	a. Shall not <u>knowingly engage</u> in
Ι	business or professional practices of a
D	fraudulent, dishonest or unethical
E	nature.
L	b. Shall be <u>scrupulously honest</u> in their
Ι	control and spending of monies, and promote effective use of resources
Ν	through open, honest and impartial
E	service with fidelity to the public,
S	employers, associates and clients.



	What is ASCE's involvement in global ethics?
G	e. Should strive for transparency in the
U	procurement and execution of projects.
Ι	Transparency includes <u>disclosure of</u>
D	names, addresses, purposes, and fees or
Е	commissions paid for all agents facilitating projects.
L	facilitating projects.
Ι	f. Should encourage the use of <i>certifications</i> specifying zero tolerance
Ν	for bribery, fraud, and corruption in all
Е	contracts.
S	75





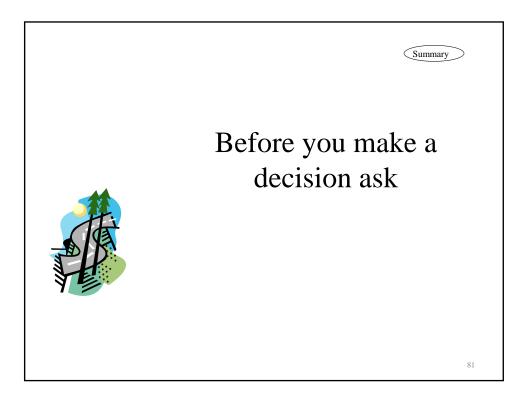


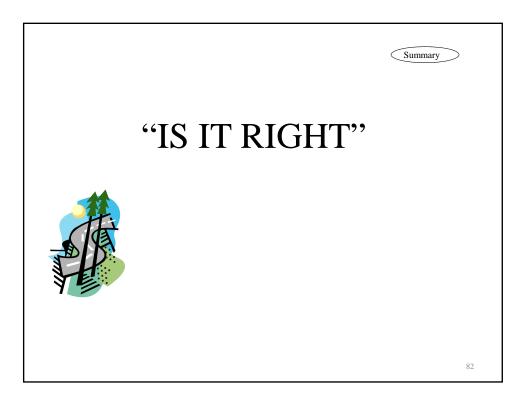
In other words:

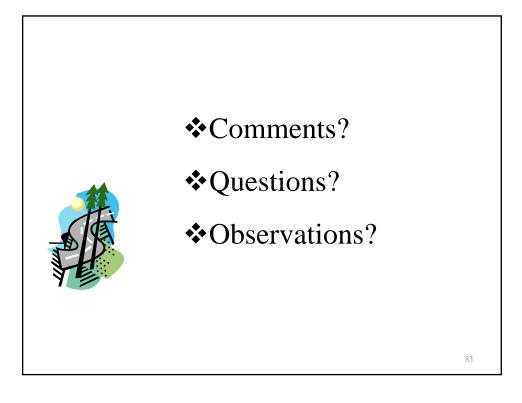
You must preach, preach, preach ethics and sometimes you even have to speak.

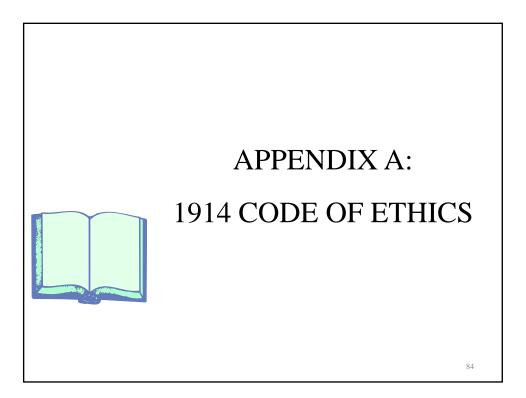


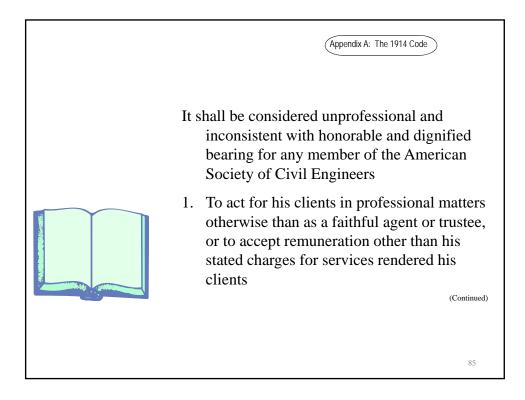
Summary "Each of us has a conscience ... We know when we have done the right thing." Hinckley "Integrity ... behavior is the only score that is kept." DePree "... guard your integrity as if it's your most precious leadership possession - because it is." Cottrell "I consider him Mr. Integrity – as high a compliment you can pay anyone." Welch "In respect to ethics, the rules are the same for everybody, and the test is a simple one - 'the mirror test'." Drucker 80

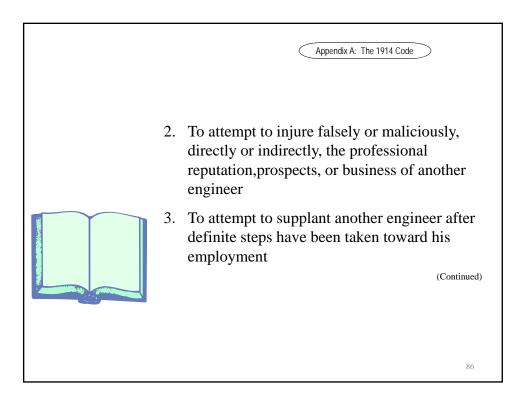


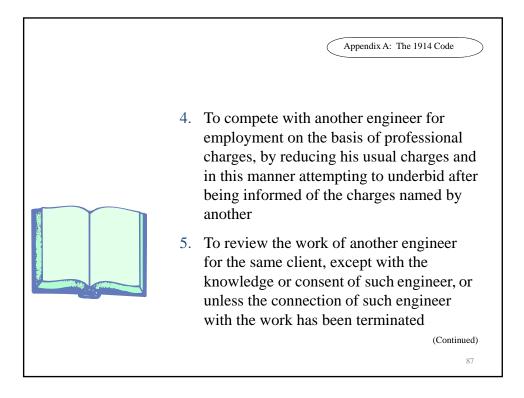


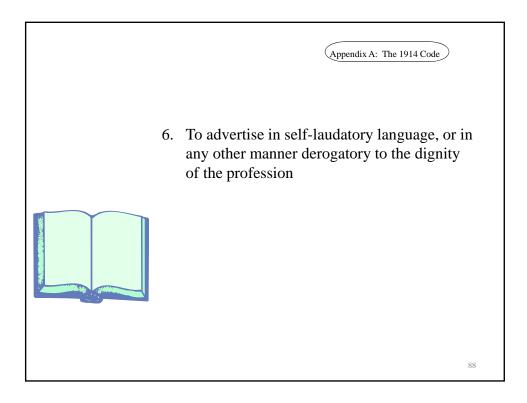


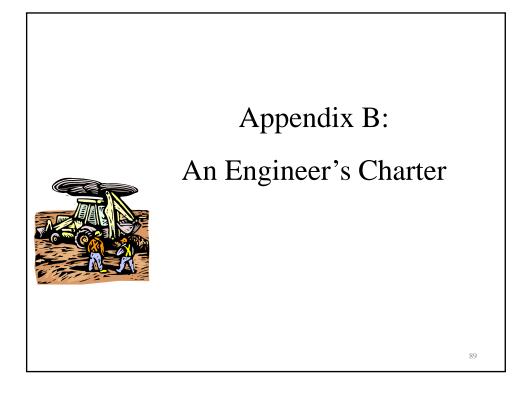


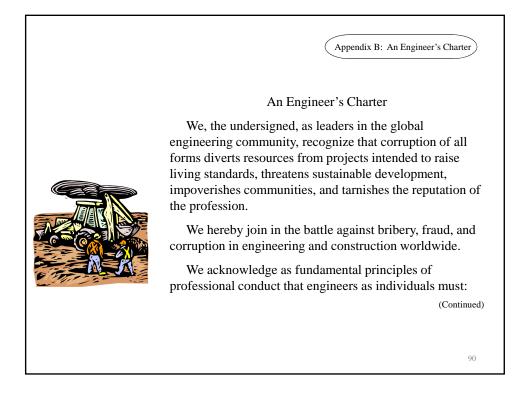


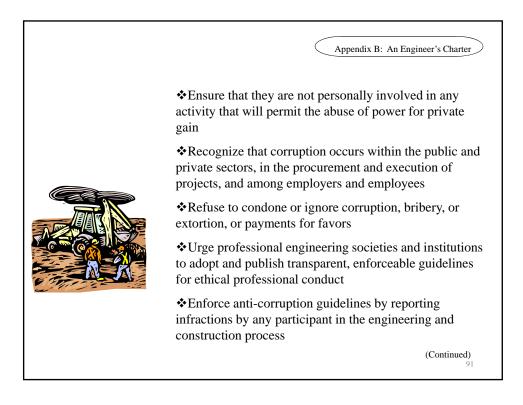




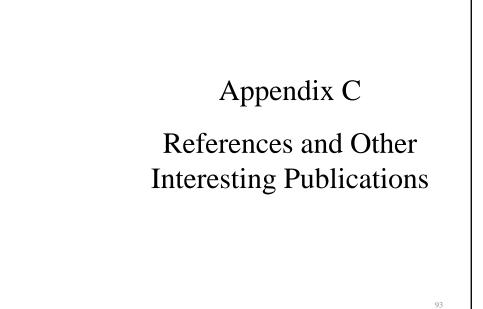


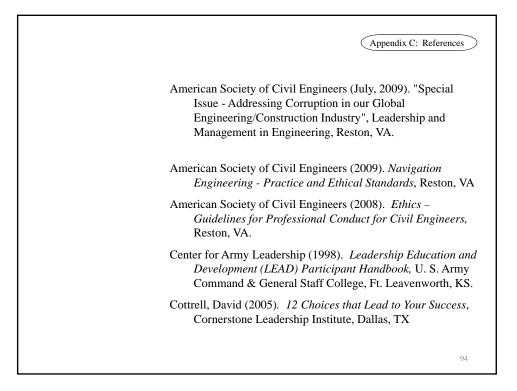


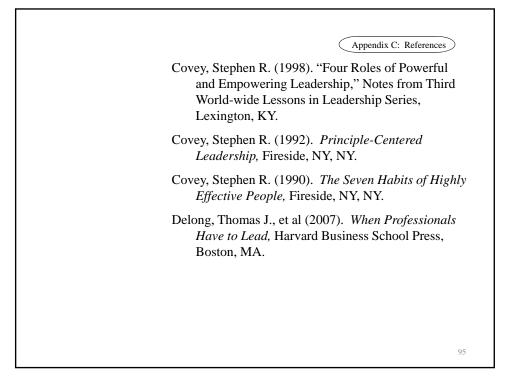


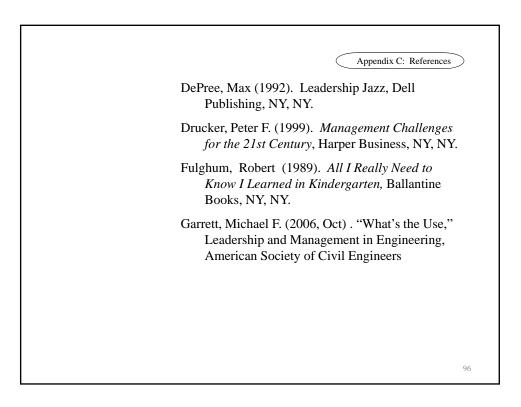


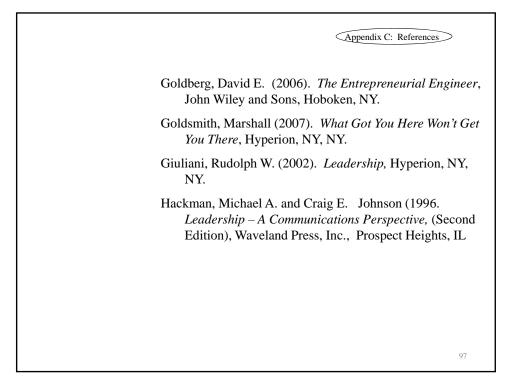


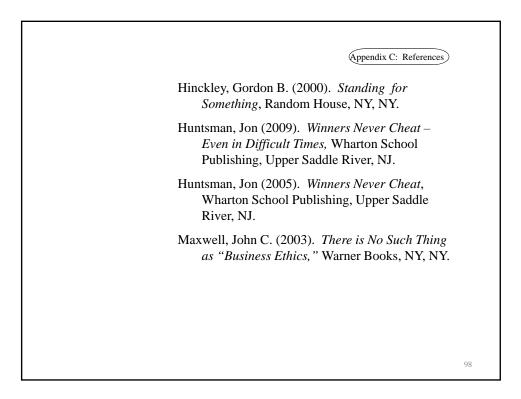




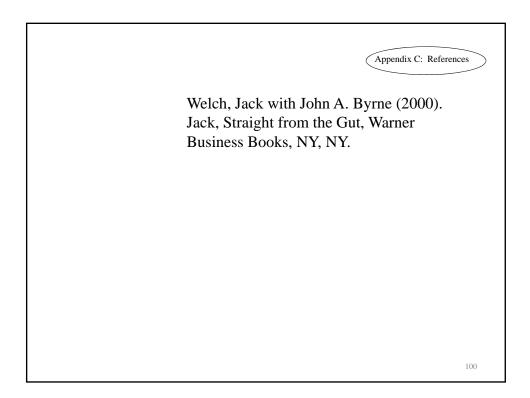








Appendix C: References
Pfatteicher, Sara K. A. (Jan 2003). "Depending on Character: ASCE Shapes Its First Code," Journal of Professional Issues in Engineering Education and Practices, American Society of Civil Engineers.
Veach, Coy M. (2006, July). "There is No Such Thing as Engineering Ethics," Leadership and Management in Engineering, ASCE.
Walesh, Stuart G. (2000), <i>Engineering Your Future</i> , ASCE Press, Reston, VA
99



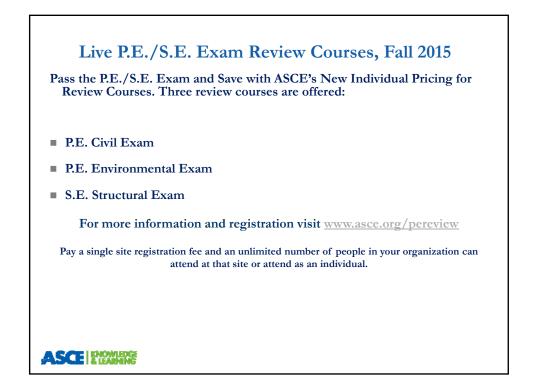
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Michael R. Sanio M.ASCE, CAE E-mail: msanio@asce.org

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S.E. Exam Review Course - with Seismic Design Preparation				
Mon., Aug. 3 – Gravity Loads	Wed., Aug. 5 – Lateral Loads			
Mon., Aug. 10 – Structural Analysis	Wed., Aug. 12 – Concrete Buildings			
Mon., Aug. 17 – Prestressed Concrete	Wed., Aug. 19 – Masonry Design			
Mon., Aug. 24 – Timber Design	Wed., Aug. 26 – Bridge Loads			
Mon., Aug. 31– Bridge Design	Wed., Sept. 2 – Steel Design			
Wed., Sept. 9 – Seismic Design				

Tue., Aug. 4 – Structural Analysis	Thur., Aug. 6 – Structural Mechanics
Tue., Aug. 11 – Design and Construction	Thur., Aug. 13 – Construction Materials
Tue., Aug. 18 – Soil Mechanics	Thur., Aug. 20 – Foundation Engineering
Tue., Aug. 25 – Hydraulics	Thur., Aug. 27 - Hydrology
Tue., Sept. 1 – Geometrics	Thur., Sept. 3 – Construction Engineering
Tue., Sept. 8 – Engineering Cost Analysis	Thur., Sept. 10 – Project Scheduling and Estimating

Breadth & Depth Sessions				
Tue., Aug. 4 – Structural Analysis	Thur., Aug. 6 – Structural Mechanics			
Tue., Aug. 11 – Design and Construction	Thur., Aug. 13 – Construction Materials			
Tue., Aug. 18 – Soil Mechanics	Thur., Aug. 20 – Foundation Engineering			
Tue., Aug. 25 – Hydraulics	Thur., Aug. 27 - Hydrology			
Tue., Sept. 1 – Geometrics	Thur., Sept. 3 – Construction Engineering			
Tue., Sept. 8 – Engineering Cost Analysis	Thur., Sept. 10 – Project Scheduling and Estimating			
Mon., Sept. 14 – Transportation Depth I	Tue., Sept. 15 – Structural Depth I			
Wed., Sept. 16– Geotechnical Depth I	Thur., Sept. 17– Waste Resource & Env. I			
Fri., Sept. 18 – Construction Depth I	Mon., Sept. 21 – Transportation Depth II			
Tue., Sept. 22– Structural Depth II	Wed., Sept. 23- Geotechnical Depth II			
Thur., Sept. 24– Waste Resource & Env. II	Fri., Sept. 25 – Construction Depth II			

ASCE | KNOWLEDGE

P.E. Environmental Exam Review Course			
Fri., Aug. 7 – Air Quality	Fri., Aug. 14 – Waste and Water Treatment		
Fri., Aug. 21 – Hazardous Waste and Emergency Operations	Fri. Aug. 28 – Environment Assessment & Remediation		
Fri., Sept. 4 – Water Quality	Fri., Sept. 11 – Storm Water		

