

## Three reasons current practices are not sustainable

- 1. Neither in US nor developing regions In the US the fastest growing regions are water scarce, infrastructure not being maintained, irrigation practices are water wasteful, food production is polluting...
- 2. Need for nutrient recycling to agriculture

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3. Water-energy nexus



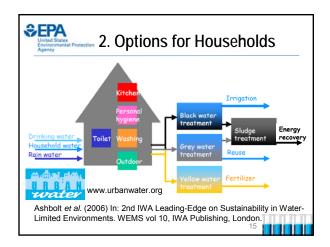
1. An opportunity for change due

Hence, opportunity to build systems that recycle nutrients & energy – same in food production

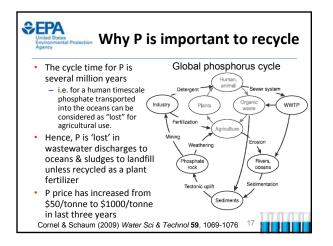
**SEDA**

Difference between projected needs and spending trends (\$ billions/y)			
For the USA 2002	Drinking Water	Wastewater	Total
Congressional budget office	0 – 8.3	3.2 – 11.1	3.2 – 19.4
Water Infrastructure Network	9.4	9.2	18.6
EPA Gap Analysis Report	2.3 – 13.3	1.6 – 13.5	3.9 – 26.7
EPA (2009) Drinking Water Infrastructure Needs Survey and Assessment. Fourth Report to Congress. www.epa.gov/safewater			

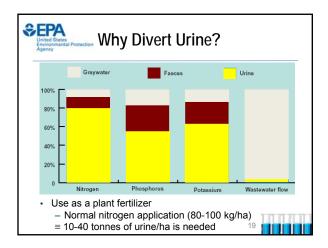


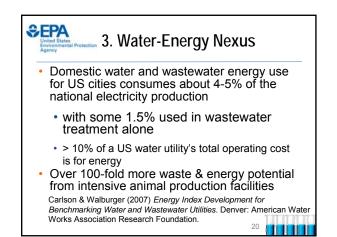


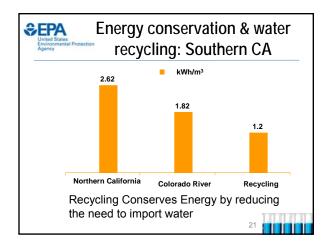


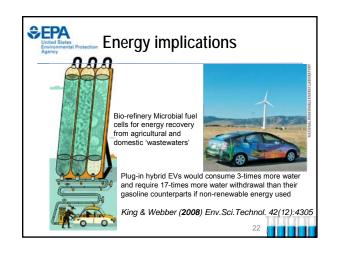


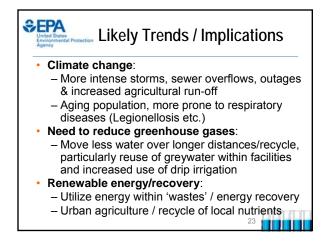












## Child States United States Exception The Solution

- Use of specific process-oriented tools to aid in sustainability assessments, and
- Product-oriented decision support systems to aid in stakeholder involvement in the process

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