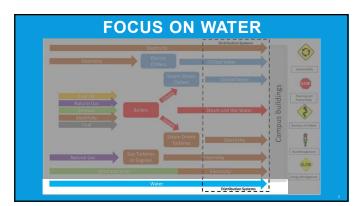


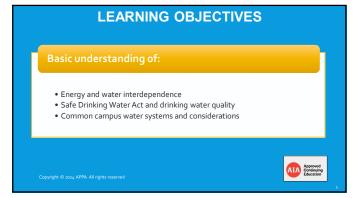
Credit(s) earned on completion of this course will be reported to American Institute of Architects (AIA) Continuing Education Session (CES) for AIA members.

Certificates of Completion for both AIA members and non-AIA members are available upon request.

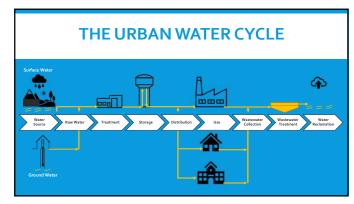
Coestions to specific materials, methods or services will be addressed at the conclusion of this presentation.

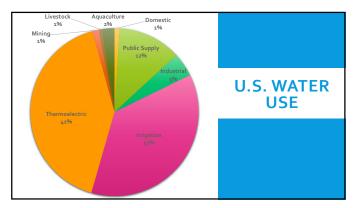


	COURSE DESCRIPTION				
Г	Overview of water and wastewater terms and concepts				
	Urban water cycle  Energy and water interdependence  U.S. water use, energy use intensity, and cost  Safe Drinking Water Act  Drinking water quality  Campus water  Supply, storage, and distribution  Cross-connection control  Fire Protection  Stormwater  Sewage				
	Copyright © 2014 APPA All rights reserved	9			

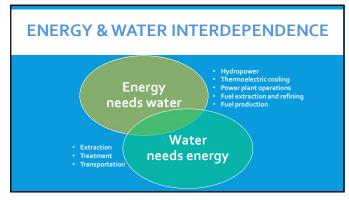


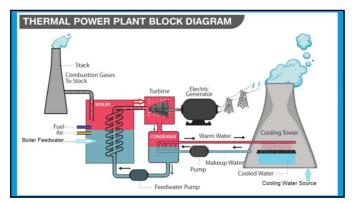


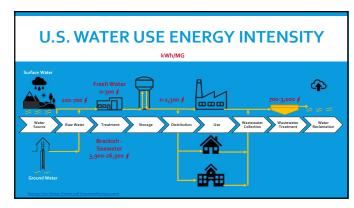


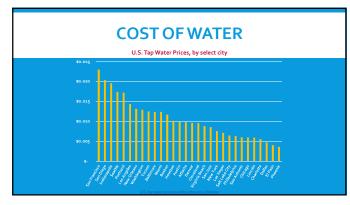




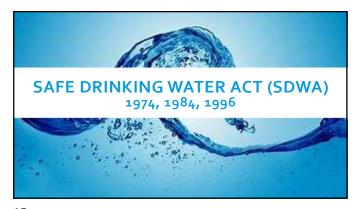




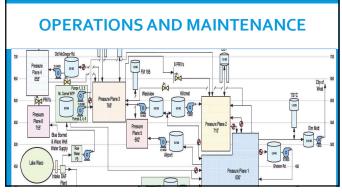














SAFE DRINKING WATER ACT ANNUAL WATER QUALITY REPORT (CCR)				
Regulated Contaminants				
Biological				
Coliform	Naturally present in the environment			
Inorganic				
Copper	Corrosion of building plumbing; erosion of natural deposits			
Lead	Lead service lines; corrosion of building plumbing including fittings and fixtures; erosion of natural deposits			
Fluoride	Naturally occurring hydrofluorosilicic acid			
Barium	Discharge of drilling wastes; discharge from metals refineries; erosion of natural deposits			
Disinfectants & Disinfectant By-products				
Chlorine	Water additive to control microbes			
Trihalomethanes	By-product of disinfection			
Haloacetic	By-product of disinfection			
Radionuclides				
Gross Alpha	Erosion of natural deposits			
Radium	Erosion of natural deposits			
Unregulated				
Sodium	Erosion of natural deposits and runoff			

### SAFE DRINKING WATER ACT **ANNUAL WATER QUALITY REPORT (CCR)**

Water Quality Parameters (average and range, no limits):

- NitriteSodiumSulfate

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## SAFE DRINKING WATER ACT **ANNUAL WATER QUALITY REPORT (CCR)** Unregulated Contaminates Monitoring Rule: • Unregulated substances for which EPA has not established drinking water standards • Sampling and testing for certain contaminants to assist the EPA in determining the occurrence of unregulated substances in drinking water and whether future regulation is warranted. Jated Substances in dri Small Systems\* (fewer than 3,300) Small Systems\* (3,300-10,000) Large Systems (10,001 and over) All systems, if confirmed by EPA Year-Round Systems must monitor 4 times during a con 12-month monitoring period. Sample event occur 3 months apart. Year-Round Systems must monitor 2 times during a con 12-month monitoring period. Sample event occur 5-7 months apart.

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#### **DRINKING WATER QUALITY**

Flint, Michigan Declares State of Emergency Amid Lead in Drinking Water Scare

by Dean Reynolds / October 6,2015

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### **DRINKING WATER QUALITY**

Detroit schools to use bottled water due to lead, copper concerns

by Dennis Romero / August 29,2018



