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#		Organization	Commentor	Туре	Page #	Line #	Section	Comment (Include rationale for comment)	Suggested change
	1.	AWWA	Kevin Morley	G	1-2	88-104	1.0	In 2008, AWWA collaborated with DHS to develop the Roadmap for Security Control Systems in the Water Sector www.awwa.org/Portals/0/files/legreg/Security/SecurityRoadmap.pdf >. This resource identified a need for actionable guidance to support executive level support for implementing best practices and standards. To fill this void, AWWA took steps in late 2012 to initiate the development of a cybersecurity resource that organized the various standards, practices and controls into actionable steps a utility can take to mitigate the risks of the cyber security threat. This has resulted in guidance and a use-case tool that provide managers with clear direction on how to evaluate their cybersecurity needs and elevate awareness of various best practices and controls. The development of this water sector based cybersecurity resource addresses the gap identified in the 2008 Roadmap; expands on existing sector requirements for cybersecurity in ANSI/AWWA 430: Security Practices for Operations and Management, which has SAFETY Act designation; supports the priorities in the 2013 Roadmap to a Secure & Resilient Water Sector, a CIPAC report of the WSCC/GCC; and complements the objectives of EO 13636 and the draft Framework.	The EO and the draft Framework state that sector-specific approach's are to be leveraged and complemented by the Framework. We believe that the approach developed by AWWA, with significant input and direction from water utility owner/operators, subject matter experts, technology providers and state/federal partners, should be recognized and acknowledged as the means by which the water sector will fulfill the principles of EO 13636.
			Kevin Morley	T	3	159- 183	1.2	This section is confusing in its application of terms like risk management and risk-based. Line 174-179 offers some guidance to very specific methods of cyber risk management, but because of the narrow application of those reference, they may translate well to the overall organizations risk management strategy due to scope limitations. The purpose of	Strike 1.2 and replace with more general statement of need to incorporate cyber threats into organization risk management strategy. Section 2.2 provides more appropriate conceptual discussion of how the Framework may support consideration of

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							The Framework Core provides an informative organizational	
							baseline, however it is relatively abstract for purposes of	
							enabling asset owners to directly gravitate to the underlying	
							actions that this Framework seeks highlight for	
							implementation. NIST should recognize that many critical	
							infrastructure owner/operators may not have the in-house	
							technical expertise to operationalize some of the controls and	
							practices associated with each Core Function. To make this	
							issue more transactional and therefore accessible, AWWA, on	
							behalf of the water sector, applied a different approach based	AWWA has mapped the controls and practices in
							on direct input from water systems of all sizes. This resulted	the preliminary NIST Framework. While following
							in a use-case model, where by the asset owner selects a	a slightly different path, we believe the guidance
							process control system use type, such as "remote system	and use-case tool achieve the same objectives by
							access with control". This generates a series of prioritized	contextualizing them from the perspective of a
							controls and practices that the asset owner can apply to	water utility owner/operator. We encourage NIST to
							enhance security of their operations. This use-case approach	be flexible in their recognition that one-size does
							"demystifies" cybersecurity by reorienting the asset owners to	not fit all, and support sector specific models as
							ways in which they apply various technologies in their	implied in the EO and NIST Framework. The
							operations. In addition, the prioritization step provides the	approach AWWA applied results in very directed
							asset owner with an action plan for implementation, especially	output regarding recommended practices/controls,
					206-		with limited budget, and/or evaluation of their current	that allows for both planning future applications
3	AWWA	Kevin Morley	T	5-6	237	2.1	cybersecurity status.	and/or upgrading existing systems as appropriate.
							The guidance that AWWA has developed can assist a utility in	
							making this type of classification. However, we find this task	
							to be a unnecessary exercise that distracts the intended	
							audiences focus from the actual recommended practices and	
					282-		controls that will support a more robust and resilient cyber	
4	AWWA	Kevin Morley	T	7	296	2.2	secured infrastructure.	See prior discussion regarding Section 2.1.
							We believe that the framework implementation tiers process is	
1							a distraction to primary objective. Section 2.4 should be	
							modified to describe only the characteristics of a desired end	
							state for a cybersecurity program, such as Tier 4.	
							Organizations should determine a prioritized list of actions to	
							reduce cybersecurity risk through a risk assessment, as	
							described in Section 3.2. Imposing the selection of an	Strike the concept of selecting an implementation
							implementation tier into this process is a confusing and	Tier in Section 2.4, and replace it with a simple
					321-		unnecessary hurdle. Further, no organization will want to	description of the desired characteristics for a
1 5	AWWA	Kevin Morley	T	9-11	389	2.4	assign a low tier to its efforts.	robust cybersecurity program, such as Tier 4.

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						Preparedness Practices. These steps are also supported by the	NIST should consider pulling this section forward to provide readers/public better sense of the process and what they are being asked to do. This process is
1	6 AWWA	Kevin Morley	T	11-12	3.2		then supported by the descriptions in section 2.
	7 AWWA	Kevin Morley	G		All	The comments submitted by the USEPA are appropriate and we encourage your full consideration of their merit.	

Type: E - Editorial, G - General T - Technical