POWER ENGINEERING COMPETENCY FRAMEWORK FOR POWER ENGINEERING PROFESSIONALS IN PUBLIC SERVICE TECHNICAL SKILLS AND COMPETENCIES (TSC) REFERENCE DOCUMENT

TSC Category	Health and Safety Management									
TSC Title	Public Health and Safety Management									
TSC Description	Manage the impact of power generation, distribution and transmission activities on public health and safety									
TSC Proficiency	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6				
Description					<insert code="" tsc=""></insert>	<insert code="" tsc=""></insert>				
					Evaluate the impact of	Recommend solutions to				
					power generation,	manage the impact of power				
					distribution and transmission	generation, distribution and				
					activities on public health	transmission activities on				
					and safety	public health and safety				
Knowledge					Usage of conventional	Local and global best				
					and renewable energy	practices on				
					sources	conventional and				
					Impact of energy supply	renewable energy				
					sources on human	sources				
					health and environment	Impact of energy supply				
					Environmental pollution	sources on human				
					and occupational	health and environment				
					diseases and hazards	Environmental pollution				
					Energy efficiency and	and occupational				
					conservation principles	diseases and hazards				
					Health and safety technologies	Public health and safety challenges				
					Relevant local and	Energy efficiency and				
					global laws, regulations	conservation use cases				
					and institution of	Health and safety				
					practices	technologies				
					practices					
						 Whole-of-government principles and practices 				
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						Relevant local and				
						global laws, regulations				
						and institution of				
						practices				

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Abilities			Assess the impact of	Evaluate the impact of
Admittes			•	•
			energy supply sources	energy supply sources
			on public health and	on public health and
			safety	safety and provide
			 Implement strategies 	recommendations to
			that support the	mitigate risks
			transition to healthier	 Drive research on health
			energy supply	effects and pollution
			 Assess public health 	prevention strategies
			effects of pollution	 Provide technical advice
			stemming from power-	to address the public
			related activities	health effects of pollution
			 Evaluate the feasibility of 	stemming from power-
			health and safety	related activities
			technologies	Implement strategies
			 Propose effective energy 	that support the
			efficiency and	transition to healthier
			conservation measures	energy supply and
			 Ensure compliance with 	diversified energy
			•	sources
			local and global laws,	
			regulations, industry	Review feasibility studies
			standards and codes of	of for health and safety
			practices to protect	technologies
			public health and safety	Participate in programs
				that will help to improve
				energy efficiency and
				reduce emissions and
				waste
				Review and recommend
				regulations, industry
				standards and codes of
				practices to protect
				public health and safety
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