

2023 Energy Workforce Survey

User's Guide for Completing the Survey

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INTRODUCTION

The Gaps in the Energy Workforce Survey is conducted every other year to determine the state of the natural gas and electric utility industry. All Edison Electric Institute (EEI), American Gas Association (AGA), American Public Power Association (APPA), Nuclear Energy Institute (NEI) and National Rural Electric Cooperatives Association (NRECA) member companies are invited to participate in the survey. The survey is the only one of its kind to provide a national look at key jobs in the industry in terms of attrition, hires and age/years of service.

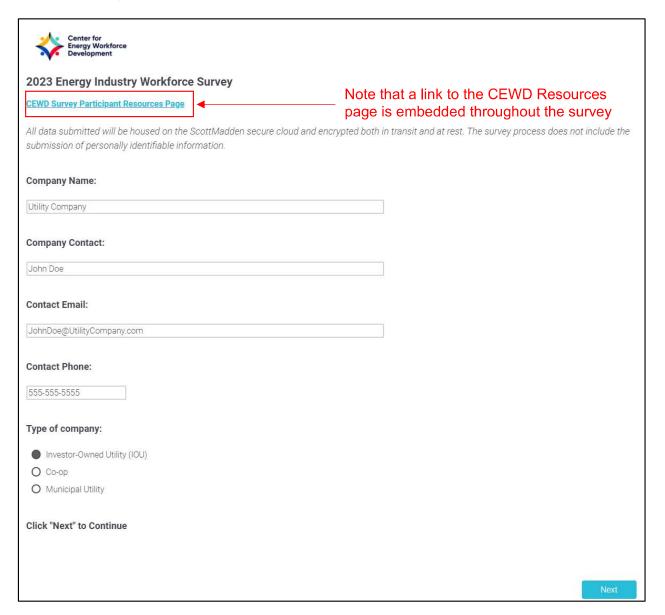
In prior years, participant data was collected using a complex Excel spreadsheet, For the 2023 study, we are excited to announce that we are deploying a new streamlined and simplified data collection process using an online survey tool. We believe that the new process will significantly reduce the amount of time and effort required to participate and will also improve the accuracy and consistency of the output reports and company scorecards. The purpose of this user's guide is to provide a step-by-step illustration of the process to complete the survey from start to finish. There are many other participant support resources, including a recording of the kick-off webinar, a jobs definitions file, and a collection of frequently-asked questions (FAQ). All of those resources can be found on the CEWD Resources and Support page at the following link https://cewd.org/members-only/reports-and-data/survey-resources/. If you need assistance with login credentials, please contact CEWD staff at staff@cewd.org. If you have questions related the survey, please contact Quentin Watkins at ScottMadden quentinwatkins@scottmadden.com.

As you start this work, please note that you should have received an email invitation to complete the survey from surveymanager@scottmadden.com, and note that the link you received in the invitation is unique to your company. The survey tool will save your work, and you can forward to other people at your company to complete certain parts of the survey, and the survey tool will save your work and save your place.



DEMOGRAPHIC QUESTIONS

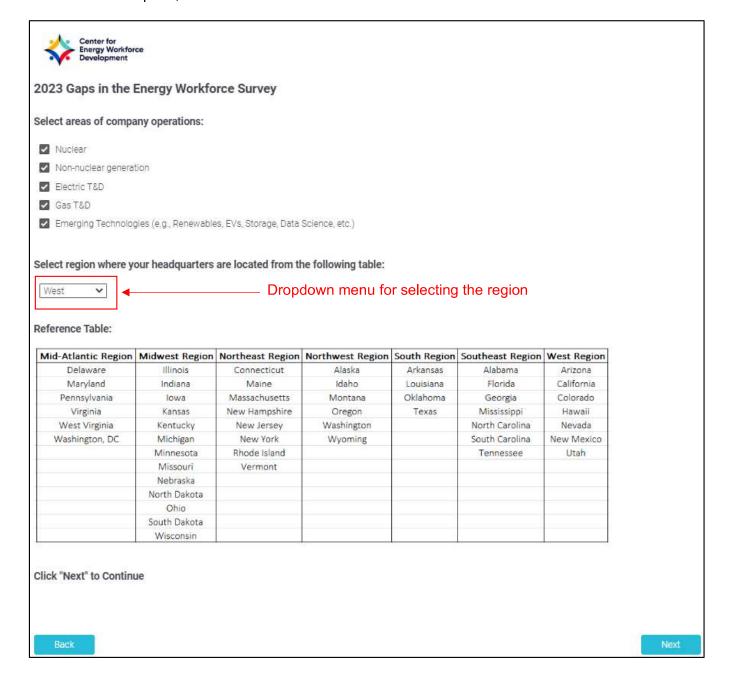
1. Input basic demographic data, including respondent's contact information and the type of company as illustrated below. Once complete, click "Next" to continue.





2. Select the functional areas of operation for the respondent company. Select all that apply. Once the company areas have been selected, choose the region where the company headquarters is located the dropdown menu. A reference table is provided at the bottom of the page indicating the which specific states comprise each region.

Once complete, click "Next" to continue.





3. The next page in the survey has questions about Human Resources Information Systems (HRIS) and recent acquisitions, divestitures, or asset retirements. The HRIS questions are optional, but you may indicate which system your company uses for the purposes of networking. The last question is included as an opportunity to indicate any recent changes at your company that may have had an impact on staffing. If you select "Yes," a freeform answer block appears for you to provide a description of recent changes and associated impacts on staffing.

Once complete, click "Next" to continue.

Center for Energy Workforce Development
2023 Energy Industry Workforce Survey
CEWD Survey Participant Resources Page
Which Human Resources Information System (HRIS) does your company use?
(Optional)
Would you be interested in connecting with others using the same system for the purpose of networking? Yes No
Have there been any acquisitions, divestitures, or asset retirements in 2021 or 2022 that would have had a material impact on staffing? Yes
O No
Please provide a brief explanation as to the nature of the activities and the affected key jobs



DIVERSITY, EQUITY & INCLUSION QUESTIONS

4. The next page has a series of questions about Diversity, Equity, and Inclusion (DE&I) practices at your company. The information collected on this page will be important for CEWD to establish a baseline for the industry, so your care and attention to these questions is appreciated. For each practice listed, please select whether your company currently has the practice in place, is considering in the next year, may consider in the future, or has no plans to implement. If you are unable to answer the question, please refer to your company's leadership. If the answer is unknown, please select "No Plans to Implement."

Once complete, click "Next" to continue.

Center for Energy Workforce Development				
2023 Energy Industry Workforce	e Survey			
CEWD Survey Participant Resources Page				
For each of the following Diversity, Equinformation provided below will be imp DE&I. If you are unable to answer any of select "No Plans to Implement."	ortant for CEWD to esta	blish a baseline on where th	ne industry is on planning an	d activities related to
	Currently in Place	Considering for Next Year	May Consider in the Future	No Plans to Implement
Diversity, equity, and inclusion strategies and goals within the company	0	0	0	Ο
One or more employee councils in the DE&I area	0	0	0	0
One or more ERGs (or similar) that provide community in the DE&I area	0	0	0	0
DE&I training for executives	0	0	0	0
DE&I training for board	0	0	0	0
	Currently in Place	Considering for Next Year	May Consider in the Future	No Plans to Implement
DE&I training for all employees within the organization	0	0	0	0
Programs to attract diverse talent for entry level positions	0	0	0	0
Standard practices at company to eliminate bias in talent processes such as recruitment, hiring, training, and retention (e.g. interview panel scorecards, removing names from resumes, etc.)	0	0	0	0
Pathways and support for advancement of diverse talent	0	0	0	0
Person dedicated to managing DE&I	0	0	0	0

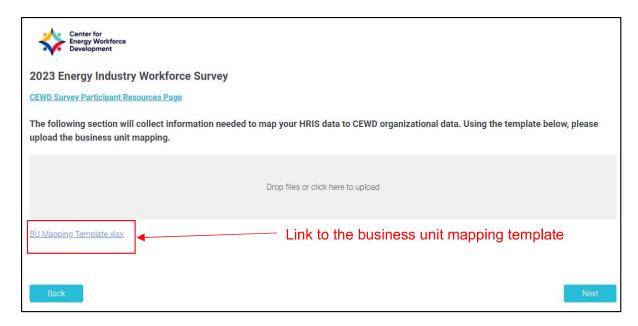


BUSINESS UNIT MAPPING

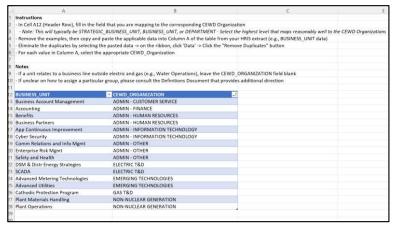
5. The next page asks for participants to map their business units to the business units in the CEWD structure. This is the minimum level of mapping required as this will allow the administrator to apply logic to map your company's jobs to the CEWD jobs if you choose not to provide the detailed job-level mapping in the next step. The more detailed job mapping in the next step is optional.

The first step is to download the business unit mapping template, and please note that if you selected "Nuclear" as one of the functions for your company, there is a separate business unit mapping step required. Once downloaded, please follow the embedded instructions to map your company's business units to the CEWD business units, save the file, and then drag and drop the file into the gray area to upload it to the survey. Once complete the file name will appear in the gray box pictured below.

Once the file has been successfully uploaded, click "Next" to continue.



Snapshot of the Business Unit Mapping Template



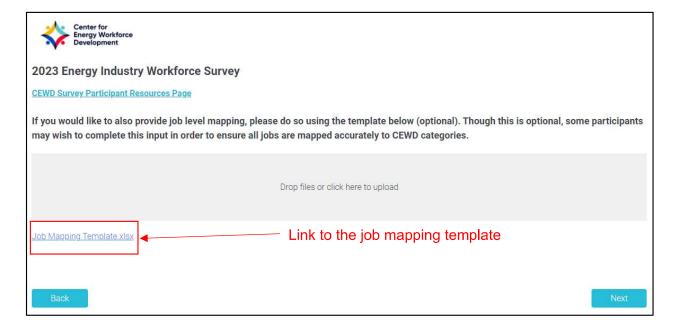


JOB MAPPING

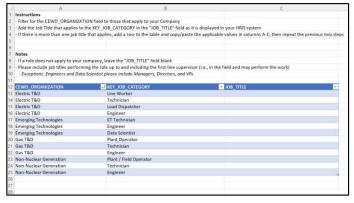
6. The next page asks for participants to provide job-level mapping to the key CEWD jobs. Note that this step is optional, but some participants may wish to provide these details in order to ensure that all jobs are mapped accurately. Note that if you have a job mapping matrix from previous years' surveys, you can upload that file instead of the template. Otherwise, you can select "Next" to skip this step, and the administrator will use the business unit mapping from the previous step to complete this using internal system logic.

The first step is to download the job mapping template, and please note that if you selected "Nuclear" as one of the functions for your company, there is a separate job mapping step required. Once downloaded, please follow the embedded instructions to map your company's jobs to the CEWD key jobs, save the file, and then drag and drop the file into the gray area to upload it to the survey. Once complete the file name will appear in the gray box pictured below.

Once the file has been successfully uploaded, click "Next" to continue.



Snapshot of the Job Mapping Template



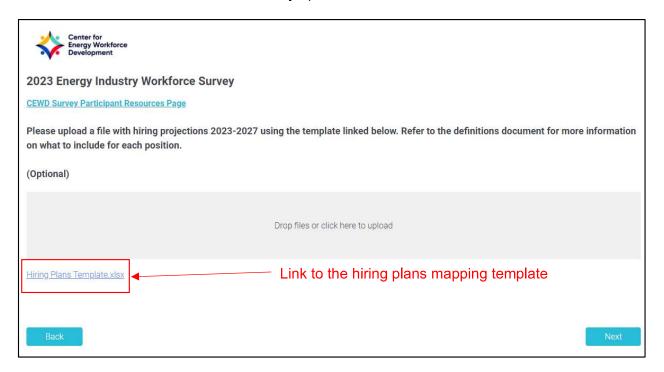


HIRING PLANS

7. The next page asks for participants to provide hiring projections for each of the key CEWD jobs. Note that this step is optional. If your company is unable to provide hiring projections, you can select "Next" to skip this step, and the administrator may be able to extrapolate hiring plans based on your company's historical data.

The first step is to download the hiring projections template, and please note that if you selected "Nuclear" as one of the functions for your company, there is a separate hiring plan step required. Once downloaded, please follow the embedded instructions to provide your company's hiring plans, save the file, and then drag and drop the file into the gray area to upload it to the survey. Once complete the file name will appear in the gray box pictured below.

Once the file has been successfully uploaded, click "Next" to continue.



Snapshot of the Hiring Plans Template

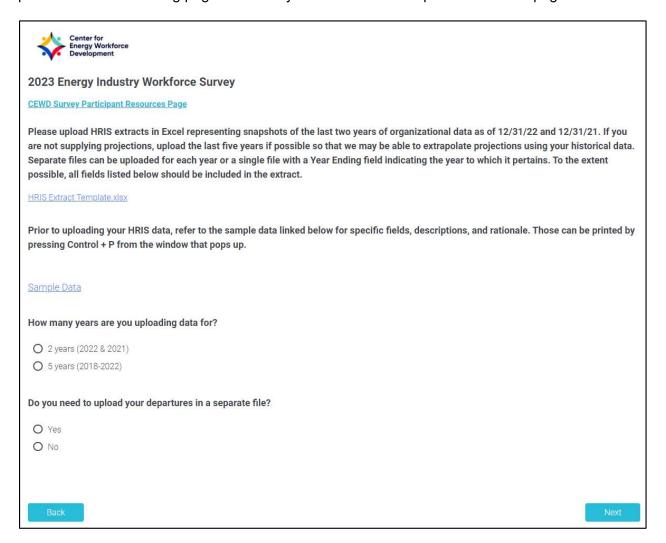




HRIS EXTRACT

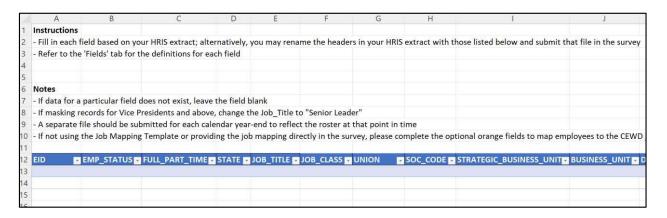
8. The next page asks for participants to provide at least two years of historical data from your company's HRIS system. If your company was able to submit hiring plans, select the option for two years of data. If your company is unable to provide hiring plans, please select the option to provide five years of historical data, and the administrator may be able to extrapolate hiring plans based on historical data.

The first step is to download the HRIS template, and note that there are embedded links on this page to the HRIS template, as well as a detailed list of the fields and rationale for each. Once downloaded, please click "Next" to continue. The file upload options will be provided on the following page based on your answers to the questions on this page.





Snapshots of the HRIS Extract Template



A	В	C	D	
Column Name	Data Field	Description	Rationale	
			Unique identifier allows us to ask clarifying questions while specifying particular records (Not	
EID	Employee ID	Unique ID for each record	SSN), and ensure no duplicates	
		Indicator of whether employee is		
EMP_STATUS	Employment Status	activeor in a non-active status	Allows us to filter out non-active employees	
		Employee is full time, part time, or		
FULL_PART_TIME	Full Time or Part Time	contract	Allows us to filter full time employees only	
STATE	Location - State	The state where the employee work	Will be used to allocate employees to regions	
JOB_TITLE	Job Title	Employee's job title	Will be used to classify employees into the designated key role categories	
		Employee's job class as exempt,		
		non-exempt, union, management,		
JOB_CLASS	Job Class	etc.	Will be used to classify management vs. individual contributors	
		The union an employee belongs to,		
UNION	Union	if applicable	Will be used for analysis of craft labor positions	
		Standard occupational		
	Standard Occupational	classification code applicable to		
SOC_CODE	Classification Code	employee's job	Will be used to classify jobs based on the SOC code according to the Definitions Document	
	Strategic Business Unit /	Highest level breakout of company	Will be used to classify employees into the designated groupings (e.g., Nuclear, Electric T&D,	
STRATEGIC_BUSINESS_UNI	Operating Unit	operations	Gas T&D, etc.)	
		Next level breakout of company	Will be used to classify employees into the designated groupings (e.g., Nuclear, Electric T&D,	
BUSINESS_UNIT	Business Unit	operations	Gas T&D, etc.)	
		Department level breakout of		
DEPARTMENT	Department	company operations	Will be used to classify employees into the designated groupings and key role categories	
	Organization Unit / Group /	Organization level breakout of		
ORG UNIT	Team	company operations	Will be used to classify employees into the designated groupings and key role categories	
		Company the employee is assigned	Will be used to classify employees into the designated groupings (e.g., Nuclear, Electric T&D,	
COMPANY	Company	to	Gas T&D, etc.) where companies are not reported separately (see FAQ)	
		Date the employee was initially		
HIRE DATE	Hire Date	hired	Will be used in calculations around length of service	
_		Date the employee was last re-		
REHIRE DATE	Rehire Date	hired	Will be used in calculations around length of service	
		Length of time the employee has		
SERVICE LENGTH	Length of Service	been with the company	Will be used in calculations around length of service	
BIRTH DATE	Date of Birth	Employee's date of birth	Will be used to classify employees into age groups	
GENDER	Gender	Employee's gender	Will be used to classify employees into gender groups	
	elds (4)	.		



Snapshots of the Detailed List of Fields

Column Name	Data Field	Description	Rationale
			Unique identifier allows us to ask clarifying questions while specifying particular records
EID	Employee ID	Unique ID for each record	(Not a SSN), and ensure no duplicates
		Indicator of whether employee is	
EMP_STATUS	Employment Status	activeor in a non-active status	Allows us to filter out non-active employees
		Employee is full time, part time,	
FULL_PART_TIME	Full Time or Part Time	or contract	Allows us to filter full time employees only
STATE	Location - State	The state where the employee wo	Will be used to allocate employees to regions
JOB_TITLE	Job Title	Employee's job title	Will be used to classify employees into the designated key role categories
		Employee's job class as exempt,	
		non-exempt, union,	
JOB_CLASS	Job Class	management, etc.	Will be used to classify management vs. individual contributors
		Standard occupational	
	Standard Occupational	classification code applicable to	
SOC_CODE	Classification Code	employee's job	Will be used to classify jobs based on the SOC code according to the Definitions Document
	Strategic Business Unit /	Highest level breakout of	Will be used to classify employees into the designated groupings (e.g., Nuclear, Electric
STRATEGIC_BUSINESS_UN	Operating Unit	company operations	T&D, Gas T&D, etc.)
		Next level breakout of company	Will be used to classify employees into the designated groupings (e.g., Nuclear, Electric
BUSINESS_UNIT	Business Unit	operations	T&D, Gas T&D, etc.)
		Department level breakout of	
DEPARTMENT	Department	company operations	Will be used to classify employees into the designated groupings and key role categories
	Organization Unit / Group /	Organization level breakout of	
ORG_UNIT	Team	company operations	Will be used to classify employees into the designated groupings and key role categories
		Company the employee is	Will be used to classify employees into the designated groupings (e.g., Nuclear, Electric
COMPANY	Company	assigned to	T&D, Gas T&D, etc.) where companies are not reported separately (see FAQ)
		Date the employee was initially	
HIRE_DATE	Hire Date	hired	Will be used in calculations around length of service
		Date the employee was last re-	
REHIRE_DATE	Rehire Date	hired	Will be used in calculations around length of service
		Length of time the employee has	3
SERVICE_LENGTH	Length of Service	been with the company	Will be used in calculations around length of service
BIRTH_DATE	Date of Birth	Employee's date of birth	Will be used to classify employees into age groups
GENDER	Gender	Employee's gender	Will be used to classify employees into gender groups
ORIENTATION	Sexual Orientation	Employee's sexual orientation	Will be used to classify employees into groups by sexual orientation
ETHNICITY	Ethnicity	Employee's ethnicity	Will be used to classify employees into groups by ethnicity
RACE	Race	Employee's race	Will be used to classify employees into groups by ethnicity
18080		Employee's veteran status (Yes /	
VETERAN	Veteran	No)	Will be used to classify employees into veteran / non-veteran groups

^{*}Note: If participants prefer not to provide the EID, any unique identifier may be used instead (e.g., 1, 2, 3, etc.).



9. The last page of the survey provides fields to upload data based on your responses to the questions on the previous page. If you selected two years of data, there will be two fields provided for two files to be uploaded. If you selected five years of data, five fields will be provided. And, if you indicated that departures need to be provided in a separate file, there will be a separate field for that file to be provided. The picture below displays all possible fields, but you should only be prompted for those you need to provide.

Once the corresponding files have been successfully uploaded, click "Next" to complete and submit all of your responses to the survey. Please note that navigating beyond this page will prevent further edits from being made.



