

	NON-BARGAINING UNIT JOB POSTING	POST: Internal/External
DIVISION: Strategic Planning & Development		DEPARTMENT: Project Engineering
MAXIMUM # OF OPENINGS: 1	JOB TITLE: Structural/Civil Engineer	Market Rate: Engineering & Scientific, Grade 1 – 3 (\$47,000 - \$90,200)
GENERAL SUMMARY OF DUTIES:	Responsible for structural engineering activities related to designing, constructing, operating and maintaining electric, water, steam and chilled water production facilities, substations, transmission and distribution facilities and common facilities. Most projects will involve some, or all of the following activities: investigations, studies, estimating, economic evaluations, budgeting, scheduling, designing, drawing development and drafting, construction, training, start-up activities, and project management.	
ESSENTIAL FUNCTIONS:	Provides technical knowledge, design services, and project management for multi-discipline projects. Develops detailed designs and critical design calculations, material, equipment and construction specifications, bid documents, construction drawings, system start-up and operating procedures, etc. in compliance with BWL purchasing policies and procedures; solicits bids, evaluates bids, and recommends awards. Perform complex, specialized engineering assignments as the technical expert with the ability to conduct required research, evaluate data, and prepare clear and well-documented reports giving recommendations and/or presenting findings, and make presentations to Management. Ensure project needs for administrative approvals, legal/safety/environmental reviews, permits, easements; licenses, etc. are identified, properly obtained and complied with in a timely manner. Complete assignments within appropriate quality guidelines, budgets and schedules to achieve overall objectives. Ensure that project documents, drawings, and records are properly monitored, filed and maintained. Studies, monitors and evaluates systems, equipment and structures to develop project plans, scopes and conceptual designs using engineering studies, field investigations, O & M records and data, tests, customer input, design and operating/performance criteria, plant operations and maintenance personnel input, outage requirements, etc. Keep abreast of industry laws, codes, standards and regulations. Follow and enforce the BWL Safety Manual and wear personal protective equipment as required. Attend training for safety awareness or skills improvement as required by supervisor, BWL or governmental agency such as MIOSHA.	
JOB SPECIFICATIONS: <ul style="list-style-type: none"> ▪ KNOWLEDGE ▪ SKILLS ▪ ABILITIES ▪ BEHAVIORS 	Required: Bachelor of Science degree in Structural/Civil Engineering from an ABET accredited university. Experience in Microsoft Office, AutoCAD, and Project Scheduling software. Contacts with design personnel, vendors, construction crews, customers, and others require good verbal and written communication skills. Must have valid MI driver's license with an acceptable driving record. Preferred: Experience in both Structural and Civil Engineering. Completed the Fundamentals of Engineering (FE) for certification as an Engineer in Training (EIT) or ability to obtain the certification within a mutually agreed upon timeframe. Experience in RISA, Enecalc, and Project Management software.	
PHYSICAL REQUIREMENTS:	Field inspections and measurements require traversing various terrains (including construction sites, operating plants, walking across grating, confined spaces), climbing, ability to observe site conditions, stooping, bending, kneeling and crouching. Respirator fit tested. Ability to lift materials weighing up to 30 pounds. Ability to retrieve information from information systems and drawings. Frequently required to sit, talk, hear and listen. Must provide own transportation to offsite meetings, plants, and construction sites on demand.	
WORKING CONDITIONS:	Normal office environment with frequent field exposure to operating plants and construction sites involving excessive heat, cold, dust, dirt, noise, heights, coal dust, fly ash, asbestos, etc.	
TO APPLY:	Email resume, cover letter and application to bwljobs@lbwl.com Attn: <i>Structural Engineer</i> in subject line, or mail documents to: BWL, Human Resources, Attn: <i>Structural Engineer</i> , PO Box 13007, Lansing, MI 48901. Applications may be downloaded from www.lbwl.com . Applications must be received by April 27, 2018.	

THE BOARD OF WATER AND LIGHT IS AN EQUAL OPPORTUNITY EMPLOYER