



Brown & Caldwell Enactus Job Opportunities

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Entry Level Site/Infrastructure Civil Engineer

Engineering ENTRY02215

[Entry Level Site/Infrastructure Civil Engineer - Sacramento, CA or Rancho Cordova, CA](#)

Job Details

Description

In this position you will work on 3D, multi-discipline designs for facilities primarily serving the water and wastewater industries. You will be responsible for providing support for the civil design effort on small to large projects working directly with engineers and other design staff; and collaborating with our structural, mechanical, process and electrical engineers and designers on those designs. Projects include both conventional design/bid/build and alternative delivery such as design/build.

Job Expectations:

Our ideal candidate will have strong verbal and written communication skills, be highly organized and capable of working in a diverse team environment and handling multiple tasks with competing priorities. You will be working with technical staff and executing the following types of work:

- Perform engineering work with the Civil Design Discipline team on water and wastewater projects including pipelines, pumping stations, and site layout for municipal and private industrial clients
- Work with teams on engineering designs, preparing reports, construction drawings, specifications, calculations, equipment selection for various project
- Knowledge and understanding of pipeline hydraulics for both open channel and closed conduits.
- Preparation of technical memoranda, reports and electronic deliverables
- Studies, permitting and alternative analysis
- Check performance or conformity with plans and specifications through field inspections as part of engineering services during construction
- Conduct field work, such as site investigations, as necessary for various projects
- Communicate effectively and coordinate with project teams including other disciplines (Engineers, Designers)
- Data collection, manipulation, analysis, and documentation
- Coordinate civil project work with geotechnical, architectural, process, mechanical, and electrical engineers and consultants
- Contribute to company standard detail and specification development and updates.

Desired Experience and Skills:

- Bachelor's degree in Civil/Environmental Engineering or related engineering field required; Master's degree preferred
- Experience with Projectwise, BIM 360 and Bluebeam is desired
- Experience with Navisworks 2013 (or newer) software a plus

- Experience using engineering calculation software (MathCAD) is a plus
- Field/construction experience a plus
- GIS experience a plus
- Good technical skills with the ability to articulate ideas and concepts both visually and verbally
- Good written and verbal communication skills essential.
- Demonstrated ability to use standard computer programs such as Microsoft Word, Excel, Access, Outlook, and PowerPoint required
- Valid driver's license and good driving record required

About Brown and Caldwell

Headquartered in Walnut Creek, Calif., Brown and Caldwell is a full-service environmental engineering and construction firm with 52 offices and 1,600+ professionals across North America and the Pacific. For more than 70 years, we have created leading-edge environmental solutions for municipalities, private industry, and government agencies. We strive to be the company of choice—to our clients, who benefit from our passion for delivering exceptional quality, and to our employees, present and future, who share our commitment to client service, collaboration, and innovation. Join us, and you will find a home where you can do your best work, reach new levels of expertise, and enjoy exceptional development opportunities. For more information, visit www.browncaldwell.com

This position is subject to a pre-employment background check and a pre-employment drug test.

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Brown and Caldwell is proud to be an EEO/AAP Employer. Minorities/Women/Disabled and Protected Veterans are encouraged to apply. Brown and Caldwell ensures nondiscrimination in all programs and activities in accordance with Title VI of the Civil Rights Act of 1964.

Travel Required

Yes. 10% Local

Equal Opportunity Employer/Protected Veterans/Individuals with Disabilities

The contractor will not discharge or in any other manner discriminate against employees or applicants because they have inquired about, discussed, or disclosed their own pay or the pay of another employee or applicant. However, employees who have access to the compensation information of other employees or applicants as a part of their essential job

functions cannot disclose the pay of other employees or applicants to individuals who do not otherwise have access to compensation information, unless the disclosure is (a) in response to a formal complaint or charge, (b) in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or (c) consistent with the contractor's legal duty to furnish information. 41 CFR 60-1.35(c)

To apply click [here](#)

Entry-Level Civil/Process Mechanical Engineer

Engineering ENTRY02209

[Entry Level Civil/Process Mechanical Engineer - Salt Lake City, UT](#)

Job Details

Description

When you join Brown and Caldwell, you will find that we offer a collaborative work environment intended to support you in doing your best work. You will be trusted and supported to produce quality work for our project managers and external clients, and given the flexibility to manage your work efforts to achieve project objectives. The work we do is interesting, challenging, and impactful for the communities we live in. Brown and Caldwell is "100% Environmental" – what does 100% Environmental mean? It means you as a growing Civil/Water resource engineer get to be part of a team of focused engineers working on challenging water, wastewater, and environmental projects. You will be able to grow your career with other like-minded professionals.

Detailed Description:

In this role, you will primarily support municipal water/sewer districts in planning, design, and construction management of their water and wastewater projects.

Typical work areas might include:

- Sizing of water/wastewater facilities such as collection and distribution piping, pump stations, storage tanks and treatment facilities
- Field work such as sampling and construction observation.
- Detailed design of treatment systems, pipelines, pump stations. This includes performing calculations, equipment selection, and development of construction drawings and specifications.
- Coordination with internal and external project team members, including other engineering disciplines such as structural, electrical, and instrumentation, to ensure proper and timely execution of the work
- Review of condition assessment data that is collected using drones or remote cameras.
- Performing detailed data analysis including statistical analysis.

- Conducting pilot testing of treatment processes including operation, process and mechanical troubleshooting, and a presentation of findings.
- Reviewing work done by others such as geotechnical reports to determine applicability to designs.
- Preparation of written reports and technical memoranda to document analyses and recommendations.
- Participation in Brown and Caldwell's QA/QC process
- Participation in client and internal meetings to support and advance project work.
- Participation in professional work groups and organizations to understand client needs and continue professional growth.

Position Requirements:

- B.S. degree in Civil, Environmental, or Mechanical Engineering. Master's degree preferred; course work or experience in advanced hydraulics/water resources and water/wastewater treatment beneficial
- Engineer in Training registration in any state is preferred or the ability to obtain in a timely manner. P.E. a plus
- The candidate should have the ability to successfully manage their time and projects in a collaborative fashion and interface with Brown and Caldwell's local, regional, and national water and wastewater practitioners.
- Strong analytical skills with proficiency in Microsoft Office Suite (Word, Excel, Access, Outlook)
- Candidate should be versatile and interested in working on a variety of projects in a team environment
- Excellent technical writing and communication skills required
- Strong technical skills with the ability to articulate ideas and concepts both visually and contextually are required
- Candidate should be able to show a history of broad learning and willingness to learn and grow into progressively challenging roles
- Candidate should be a self-starter, results-oriented and able to work under firm deadlines
- Ability to collaborate with virtual project team members
- Preference given for experience in the field with construction observation and management

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To apply click [here](#)

Entry Level - Water Resources Engineer

Engineering ENTRY02232

[Entry Level - Water Resources Engineer - Seattle, WA](#)

Job Details

Description

In this role you will support engineering design, planning, and regulatory compliance activities for projects involving potable water supplies, water system reliability planning, stormwater management, urban drainage systems, green stormwater infrastructure, comprehensive utility planning, and surface and groundwater resources. The Pacific Northwest has unique and complex water resources challenges, and communities that

place a high value on protecting and restoring our water resources and the environment. Brown and Caldwell's Seattle Water Resources group supports municipal and industrial clients in planning for and achieving their water resources objectives.

Detailed Description:

- Perform hydrologic/hydraulic/water quality modeling of watersheds, water supply systems, urban drainage and stormwater systems, wastewater collection systems, and/or water distribution systems.
- Perform technical analyses, geospatial mapping, data management, and/or decision support activities for watershed planning and water/wastewater/stormwater projects.
- Support comprehensive utility planning, including planning for future uncertainty, setting performance targets and levels of service, and developing capital improvement projects and watershed programs.
- Assist municipal and industrial clients with regulatory compliance through reviews and analysis of regulations, permits, data, and technical reports.
- Prepare written reports and technical memorandums to document analyses and recommendations.
- Participate in client and internal meetings to support and advance project work.
- Participate in professional work groups and organizations to understand client needs and continue professional growth.

Desired Skills and Experience:

- S. degree in engineering with 0-5 years of related experience in the water resources field
- Experience in hydrology, hydraulics, water quality, and related statistical analyses
- Strong analytical skills with proficiency in ArcGIS, Excel, and data management software
- Hydrologic modeling and water quality modeling a plus (CE-QUAL-W2, HSPF, SWMM)
- Programming skills a plus (Python, Visual Basic, R)
- Strong written communication skills and experience producing technical reports
- Solid verbal communication and presentation skills
- Ability and desire to work on multiple concurrent projects in a team environment
- Ability to collaborate with remote project teams on projects around the country as needed

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To apply click [here](#)

Entry - Level Civil Engineer

Engineering ENTRY02216

[Entry Level Civil Engineer - San Francisco, CA](#)

Job Details

Description

- Work closely with project managers and other team members to execute work involving water treatment, stormwater, wastewater treatment and water reuse.
- Conduct technical evaluations to support planning and design related activities.
- Provide support on a variety of environmental engineering and master planning projects.
- Assist with the preparation of calculations, technical memoranda, reports, drawings, specifications, and miscellaneous contract documents.
- Check performance or conformity with plans and specifications as part of engineering services during construction.
- Assist with submittal reviews, requests for information, correspondence, change requests, and change orders for construction projects.
- Conduct field work as necessary for various projects.
- Communicate effectively and coordinate with project teams including other disciplines (drafters, designers, and other engineers).
- Successfully manage and deliver assignments on time and on budget.
- Adhere to Brown and Caldwell's QA/QC process.

Desired Skills and Experience:

- Self-starter, results-oriented, and ability to work under deadlines
- Bachelor's degree in Civil/Mechanical/Environmental Engineering or related engineering field required
- Desire to work on projects related to drinking water, water reuse, stormwater and wastewater
- EIT preferred
- Plan to obtain California PE
- Good technical skills with the ability to articulate ideas and concepts
- Excellent technical writing and communication skills
- Ability to work both independently and on large coordinated teams
- Ability and willingness to perform field work at various sites
- Knowledge of standard software including MS Office, Outlook, MathCAD and Bluebeam
- Strong aptitude for researching and solving technical problems

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Travel Required

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