

Mechanical Engineer (Recent Graduate)

DEPARTMENT OF THE INTERIOR

Bureau of Reclamation

Lower Colorado Basin, Engineering Services Office, Analysis and Design Mechanical/Electrical Group

Summary

Reclamation is seeking a career professional looking for an opportunity to capitalize on their expertise as a Mechanical Engineer (Recent Graduate). Make a difference in the West by assisting in meeting increasing water demands while protecting the environment.

Duty Location: Boulder City, Nevada

Boulder City, NV: <http://www.bcnv.org/>

Henderson, NV: <http://www.hendersonchamber.com/>

Las Vegas, NV: <http://www.lvchamber.com/>

Overview

Accepting applications

Open & closing dates

🕒 07/18/2022 to 08/01/2022

Salary

\$51,803 - \$75,710 per year

Pay scale & grade

GS 5 - 7

Location

1 vacancy in the following location:

📍 **Boulder City, NV**

Remote job

No

Telework eligible

Yes—as determined by the agency policy.

Travel Required

Occasional travel - You may be expected to travel for this position. As required to meet agency needs.

Relocation expenses reimbursed

No

Appointment type

Recent Graduates

Work schedule

Full-time

Service

Excepted

Promotion potential

9

Job family (Series)

[0830 Mechanical Engineering](#)
[\(/Search/Results?j=0830\)](#)

Supervisory status

No

Security clearance

[Not Required](#)
[\(/Help/faq/job-announcement/security-clearances/\)](#)

Drug test

No

Position sensitivity and risk

[Moderate Risk \(MR\)](#)
[\(https://www.usajobs.gov/Help/faq/job-announcement/security-clearances/\)](#)

Trust determination process

[Credentialing](#)
[\(https://www.usajobs.gov/Help/faq/job-announcement/security-clearances/\)](#)
[Suitability/Fitness](#)
[\(https://www.usajobs.gov/Help/faq/job-announcement/security-clearances/\)](#)

Announcement number

BOR-LCB-22-PW-11571857-MW

Control number

665969800

This job is open to



[Career transition \(CTAP, ICTAP, RPL\)](#)

Federal employees who meet the definition of a "surplus" or "displaced" employee.



Recent graduates

Individuals who have graduated from an accredited educational institute or certificate program within the last 2 years or 6 years for Veterans.



The public

U.S. Citizens, Nationals or those who owe allegiance to the U.S.



Veterans

Clarification from the agency

All U.S. Citizens and Nationals who meet the eligibility requirements for the Pathways Recent Graduate Program.

Duties

Assignment will be developmental to prepare the individual for performing higher level duties.

-The incumbent assists on engineering tasks, inspections, and project management support to higher-graded engineers with both technical and non-technical project needs.

-The incumbent works on limited phases of larger projects involving the mechanical systems and subsystems of hydroelectric power plants, water conveyance systems, and other Reclamation facilities. Work typically involves smaller or routine scopes of project design, as well as aiding team members with the procurement process and construction phases of project execution: Design, Acquisitions, and Construction.

-Supports project coordination, monitoring, planning, and execution of work. Provides input for and assists with the preparation of plans, specifications, and cost estimates pertaining to repairs, maintenance and improvements of the turbines and related equipment and facilities used for hydro-electric generation.

-The incumbent supports higher graded engineers with the preparation of preliminary design studies, design memoranda, design calculations and plans, technical specification provisions and labor and material estimates. Supports the preparation of engineering drawings and maps, specifications, and for the preparations of postconstruction "as-builts." Reviews all preliminary and/or final plans and specifications for various projects prepared by other Reclamation offices, private engineering firms, or other government agencies for completeness, accuracy, and adequacy.

Upon request, incumbent may review mechanical portions of engineering designs to identify potential deficiencies and discrepancies; prepares comments and recommendation for the correction of designs.

-Additionally work assignment may include the development and implementation plans for maintenance and repair of mechanical and power equipment. Coordinates with personnel within the immediate organization, within the Regional Office, LCB Area and Denver offices, and other entities associated with assigned projects.

-The incumbent assists with or performs limited inspection of various project assets and mechanical equipment. Incumbent may participate in facility examinations, surveys, and investigations to gather data and assist with identifying solutions. These activities can be associated with: electrical equipment, enclosed motors, pumping plant equipment, SCADA systems, protective relays, mechanical controls, crane mechanical systems, heating and air-conditioning and ventilation systems, circuit design, civil structure inspections, current measurements, waterways and water conveyances, data recorders, dynamic signal analyzers, breakers, compressors and other contractor or Government furnished electrical and mechanical materials. Incumbent checks methods used by the contractor and materials furnished against

specifications and other data to insure the

adequacy and accuracy of the final installations. Notifies supervisor or higher-graded engineer of need for corrective action on any deviations from standards or specifications or other duties as assigned.

The full performance level of this position has Contracting Officer Representative Duties and if converted to a Term, Career or Career Conditional Appointment this would be a requirement for the position.

Requirements

Conditions of Employment

You must be a U.S. Citizen or U.S. National.

You must be suitable for federal employment, determined by a background investigation.

You must submit a resume and supporting documentation (see Required Documents).

You must submit eligibility documents for veterans consideration (see Required Documents).

You must meet any minimum education and/or experience requirements (see Qualifications).

You must submit transcript(s) to verify education requirements (see Qualifications/Education).

You must have completed, within the previous two years, a qualifying associates, bachelor's, master's, professional, doctorate degree from a qualifying educational institution. Certain exceptions to the two-year limitation will be made for veterans who, due to military service obligations, were precluded from applying to the Program during the two-year eligibility period.

If selected, you will be required to obtain a successful pre-employment physical examination by a licensed physician certifying your ability to perform the duties of this position. A physical exam may not be required if a comparable agency approved examination was performed within the last 12 months. The cost of the exam will be reimbursed by the agency.

Qualifications

To qualify for this position, you must meet the Pathways Recent Graduate Program eligibility requirements, and meet the OPM Basic Qualification Requirements for the GS-0830-05/07 position.

ELIGIBILITY: Applicants **must** be Recent Graduates who have completed, within the previous two years, a qualifying associates, bachelors, masters, professional, doctorate, vocational or technical degree or certificate from a qualifying educational institution. Veterans (as defined in 5 USC 2108) who, due to military service obligation, were precluded from applying to the Recent Graduates Program during any portion of the 2-year eligibility period described above have a full 2-year period of eligibility upon their release or discharge from active duty; however, this eligibility period cannot extend beyond 6 years from the date of completion of the requirements of an academic course of study

To be eligible for consideration, you must first meet the Basic Education Requirement for this position.

Basic Requirements:

A. Degree: Engineering. To be acceptable, the program must: (1) lead to a bachelor's degree in a school of engineering with at least one program accredited by ABET; or (2) include differential and integral calculus and courses (more advanced than first-year physics and chemistry) in five of the following seven areas of engineering science or physics: (a) statics, dynamics; (b) strength of materials (stress-strain relationships); (c) fluid mechanics, hydraulics; (d) thermodynamics; (e) electrical fields and circuits; (f) nature and properties of materials (relating particle and aggregate structure to properties); and (g) any other comparable area of fundamental engineering science or physics, such as optics, heat transfer, soil mechanics, or electronics. OR

B. Combination of education and experience -- college-level education, training, and/or technical experience that furnished (1) a thorough knowledge of the physical and mathematical sciences underlying engineering, and (2) a good understanding, both theoretical and practical, of the engineering sciences and techniques and their applications to one of the branches of engineering. The adequacy of such background must be demonstrated by one of the following:

1. Professional registration or licensure -- Current registration as an Engineer Intern (EI), Engineer in Training (EIT), or licensure as a Professional Engineer (PE) by any State, the District of Columbia, Guam, or Puerto Rico. Absent other means of qualifying under this standard, those applicants who achieved such registration by means other than written test (e.g., State grandfather or eminence provisions) are eligible only for positions that are within or closely related to the specialty field of their registration. For example, an

applicant who attains registration through a State Board's eminence provision as a manufacturing engineer typically would be rated eligible only for manufacturing engineering positions.

2. Written Test -- Evidence of having successfully passed the Fundamentals of Engineering (FE) examination or any other written test required for professional registration by an engineering licensure board in the various States, the District of Columbia, Guam, and Puerto Rico.

3. Specified academic courses -- Successful completion of at least 60 semester hours of courses in the physical, mathematical, and engineering sciences and that included the courses specified in the basic requirements under paragraph A. The courses must be fully acceptable toward meeting the requirements of an engineering program as described in paragraph A.

4. Related curriculum -- Successful completion of a curriculum leading to a bachelor's degree in an appropriate scientific field, e.g., engineering technology, physics, chemistry, architecture, computer science, mathematics, hydrology, or geology, may be accepted in lieu of a bachelor's degree in engineering, provided the applicant has had at least 1 year of professional engineering experience acquired under professional engineering supervision and guidance. Ordinarily there should be either an established plan of intensive training to develop professional engineering competence, or several years of prior professional engineering-type experience, e.g., in interdisciplinary positions. (The above examples of related curricula are not all inclusive.)

In addition to the basic education requirement noted above:

To qualify for the GS-05 level: Applicants who meet the basic requirements described in the individual occupational requirements are fully qualified for the specified entry grade.

To qualify for the GS-07 level: In order to qualify for the GS-7 grade level, your resume must reflect one year of specialized experience equivalent in difficulty and complexity to at least the GS-05 grade level in Federal service. Specialized Experience is defined as: Experience performing routine and recurring mechanical engineering duties; using typical engineering calculations and mechanical engineering principles. OR one (1) full years of progressively higher level Graduate Education OR meet Supervisor Academic Achievement.

Additional Experience and Training Provisions for Graduates of Engineering Programs may be qualifying at the GS-7 grade Level:

- a. Superior academic achievement at the baccalaureate level in an engineering program is qualifying for GS-7.
- b. Applicants with an engineering bachelor's degree who have appropriate experience as a technician equivalent to grade GS-5 or higher may have such experience credited for grade GS-7 only on a month-for-month basis up to a maximum of 12 months.
- c. Successful completion of a 5-year program of study of at least 160 semester hours leading to a bachelor's degree in engineering is qualifying at GS-7.

In order to be rated as qualified for this position, the HR Office must be able to determine that you meet the education and/or specialized experience requirement - this information must be clearly supported in your resume.

The superior academic achievement provision is to be used to determine eligibility for applicable GS-07 level positions of persons who have completed (or expect to complete within 9 months) all the requirements for bachelor's degree from an accredited college or university with a qualifying grade point average (GPA), class standing, or honors society. For more information, visit [OPM \(http://www.opm.gov/policy-data-oversight/classification-qualifications/general-schedule-qualification-policies/#url=General-Policies\)](http://www.opm.gov/policy-data-oversight/classification-qualifications/general-schedule-qualification-policies/#url=General-Policies).

Experience refers to paid and unpaid experience, including volunteer work done through National Service programs (e.g., Peace Corps, AmeriCorps) and other organizations (e.g., professional; philanthropic; religious; spiritual; community, student, social). Volunteer work helps build critical competencies, knowledge, and skills and can provide valuable training and experience that translates directly to paid employment. You will receive credit for all qualifying experience, including volunteer experience.

For more information about EI and EIT registration requirements, please visit the National Society of Professional Engineers website at: <http://www.nspe.org> (<http://www.nspe.org>).

The FE examination is not administered by the U. S. Office of Personnel Management. For more information, please visit: <http://www.nspe.org/Licensure/HowtoGetLicensed/index.html> (<http://www.nspe.org/Licensure/HowtoGetLicensed/index.html>).

You must meet all [Eligibility and Qualification](#)

<http://www.usajobs.gov/Help/faq/application/eligibility/difference-from-qualifications/>

requirements and the Pathways Recent Graduate program eligibility requirements must be met by 08/01/2022.

Education

This position has a mandatory education requirement. You must submit a copy of college transcript(s) (unofficial copy is acceptable) to support claimed education. Transcripts must include the name of the college or university and date the degree was conferred. Non-submission will result in being rated not-qualified for the position.

You will be required to provide official college transcripts to verify educational qualifications, if selected. An official transcript must be sent directly from the University's Registrar's office and must be provided from the institution awarding the degree. Academic transcripts certified by notary publics are NOT official. Official transcripts must be submitted prior to reporting to work as a condition of employment. Failure to submit official transcripts may be grounds for dismissal or rescission of the job offer.

Accreditation: Only education from an accredited college or university recognized by the Department of Education is acceptable to meet education requirements or to substitute for experience, if applicable. For additional info, refer to the [Office of Personnel Management](#)

<https://www.opm.gov/policy-data-oversight/classification-qualifications/general-schedule-qualification-policies/#url=General-Policies>

and [U.S. Department of Education](#)

<http://www2.ed.gov/admins/finaid/accred/index.html>

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Foreign Education: To receive credit for education completed outside the United States, you must show proof that the education has been submitted to a private organization that specializes in interpretation of foreign educational credentials and such education has been deemed at least equivalent to that gained in conventional U.S. education programs. For additional info, refer to the [U.S. Network for Education Information](#)

<https://www.ed.gov/about/offices/list/ous/international/usnei/us/edlite-visit-us-for-recog.html>

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Additional information

For more information about the Pathways Internship program please visit: <https://www.opm.gov/policy-data-oversight/hiring-information/students-recent-graduates/#url=Program-Fact-Sheets>

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Probationary Period: You may be required to serve an initial probationary period. Current, permanent Federal employees who are selected from this announcement may be required to serve a probationary period.

Telework: Reclamation has determined that the duties of this position are suitable for telework and you may be allowed to telework with supervisory approval. Full-Time telework is not available for this position.

E-Verify: DOI uses E-Verify to confirm the employment eligibility of all newly hired employees. To learn more about E-Verify, including applicant rights and responsibilities, please visit <https://www.e-verify.gov/>

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Background Investigation: This position is designated as a MODERATE RISK Public Trust position. It requires a fully completed and favorably adjudicated Public Trust Suitability Background Investigation (T2S or T2RS or equivalent) that is current (within the last 5 years). This is a condition of employment.

Selective Service Registration: Male applicants born after December 31, 1959 must certify registration with the Selective Service System or that the applicant is exempt from having to do so under the Selective Service Law. Go to: <https://www.sss.gov>

Promotion Potential: This is a career development opportunity under the Bureau of Reclamation Recent Graduate Pathways Program. This position may be filled at the GS-05 or GS-07 grade level. Subsequent promotion to the next higher-grade level is

permissible without further competition. Promotion is not guaranteed or promised but dependent upon administrative approval and the agency's continuing need for an actual assignment and performance at the higher-level duties. The full performance level of this position is GS-9.

Pre-Employment/Occupational Exam: If selected, you are required to obtain and successfully pass a pre-employment physical examination conducted by an Occupational Medical Facility or a licensed physician certifying your ability to perform the duties of the position. This requirement may be waived if a comparable physical examination was required for placement in your current position and was completed within established timelines. If waived, you will be required to submit documentation of a successfully completed comparable physical examination. Periodic physical examinations are required and must be successfully passed for continued employment.

Travel: Relocation expenses will not be paid by the Department of Interior. Any travel, transportation and relocation expenses associated with reporting for duty will be the responsibility of the selected Recent Graduate.

Conversion: This is a career development opportunity in the excepted service under the Bureau of Reclamation Recent Graduate Pathways Program. After completion of the required training period, meeting all the requirements of a specialized participant agreement, meeting all of the OPM qualification requirements for the position, and receiving a favorable recommendation from management, the individual selected for this position may be converted to a term, career or career conditional appointment in the competitive service. Conversion is not promised or guaranteed. Work will be performed in and around the area of Boulder City, NV.

Additional vacancies may be filled using this job announcement.

Benefits

A career with the U.S. government provides employees with a comprehensive benefits package. As a federal employee, you and your family will have access to a range of benefits that are designed to make your federal career very rewarding. [Learn more about federal benefits](#)

(<https://www.usajobs.gov/Help/working-in-government/benefits/>)

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[Review our benefits](#)

(<https://www.opm.gov/insure/fastfacts/quickguide.pdf>)

Eligibility for benefits depends on the type of position you hold and whether your position is full-time, part-time or intermittent. Contact the hiring agency for more information on the specific benefits offered.

How You Will Be Evaluated

You will be evaluated for this job based on how well you meet the qualifications above.

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Category rating and selection procedures will be used to evaluate applications from this announcement. If an applicant meets the basic qualification requirements, his/her on-line responses to the vacancy assessment questionnaire will be used to determine the quality and extent of his/her experience, education, training, etc., for placement in one of the following categories: 1) Best Qualified, 2) Well Qualified, and 3) Qualified. Qualified candidates will be assigned a numerical score on a scale of 70-100. The Category Rating Process does not add veterans' preference points or apply the "rule of three" but protects the rights of Veterans by placing them ahead of non-preference eligibles within each quality category. Veterans' preference eligibles who meet the minimum qualification requirements and who have a compensable service-connected disability of at least 10 percent will be listed in the highest quality category (except in the case of scientific or professional positions at the GS-09 level or higher). The assessment questionnaire will take approximately 30 minutes to complete.

Your qualifications will be evaluated based on your application materials (e.g., resume, supporting documents), the responses you provide to the application questionnaire, and the result of the additional assessments required for this position. You will be assessed on the following **Competencies** (knowledge, skills, abilities, and other characteristics):

- Interpersonal Skills
- Mechanical Engineering

In order to be considered for this position, you must complete all required steps in the process. These assessments measure the critical competencies listed above that are required to successfully perform the job.

The application questionnaire can be previewed here: <https://apply.usastaffing.gov/ViewQuestionnaire/11571857>

Your answers will be verified against information provided in your resume. Your resume must clearly support the responses to all the questions by addressing experience, education, and/or training relevant to this position. You must make a fair and accurate assessment of your qualifications. If a determination is made that you have rated yourself higher than what is apparent in the description of your experience, competencies, skills, and/or education/training (or that your resume/application is incomplete), you could be rated ineligible or your score could be lowered.

Applicants must make a fair and accurate assessment of their qualifications. Applicants rating themselves higher than is apparent in their description of experience, competencies, skills, and/or education/training OR whose resume/application is incomplete may be removed from employment consideration.

Applicants who apply under this job opportunity announcement agree to have their application, associated documents and applicable personal information shared with other Bureaus/Offices within the Department of the Interior (DOI) who have vacancies with the same occupational series, grade, full performance level and in the same geographic location(s). Applying to this announcement does not replace the need to apply to other job opportunity announcements for which you wish to receive consideration. You may choose to opt in of having your information shared with other agencies when applying for this position. If an agency requests a copy of a certificate you are on, you will be notified.

Required Documents

Please submit the supporting documents outlined below applicable to your claimed eligibility status and the position and grade to which you are applying. Failing to submit required documents will result in non-consideration due to an incomplete application package.

RESUME: You must submit a resume that demonstrates how skills and experiences through job duties meet the qualifications and requirements listed in the job announcement to be considered for the job. Each job experience must include dates of employment including start and end dates (month and year), work schedule (full-time or part-time), and hours worked per week. For more information, click [here](https://www.usajobs.gov/Help/faq/application/documents/resume/what-to-include/) (<https://www.usajobs.gov/Help/faq/application/documents/resume/what-to-include/>).

TRANSCRIPTS: Applicants must provide college transcripts to verify educational qualifications, if selected. An official transcript must be sent directly from the University's Registrar's office and must be provided from the institution awarding the degree. Academic transcripts certified by notary publics are NOT official. Official transcripts must be submitted prior to reporting to work as a condition of employment. Failure to submit official transcripts may be grounds for dismissal or rescission of the job offer.

VETERANS: If you are entitled to veterans' preference, you must submit a copy of your latest Certificate of Release or Discharge from Active Duty, DD-214 (copy indicating character of service) or other proof of your service which includes character of service. If claiming disability preference, you must also submit the disability letter from the Department of Veterans Affairs or Armed Service and the Application for 10-Point Veteran Preference, Standard Form 15. For more information, click [here](https://www.fedshirevets.gov/job-seekers/special-hiring-authorities/#training) (<https://www.fedshirevets.gov/job-seekers/special-hiring-authorities/#training>).

CAREER TRANSITION PROGRAMS: Permanent Federal employees who are surplus, displaced, or involuntarily separated. You must submit a copy of their most recent performance appraisal, proof of eligibility, and most current SF-50 noting position, grade level, and duty location with their application. To be considered under CTAP/ICTAP, you must be well-qualified (i.e., meet the minimum qualification requirements, including selective factors, education and experience requirements) and score at least 90.0 on the assessment questionnaire as established, and be able to perform the duties of the position upon entry. For more information, click [here](https://www.usajobs.gov/Help/working-in-government/unique-hiring-paths/federal-employees/career-transition/)

(<https://www.usajobs.gov/Help/working-in-government/unique-hiring-paths/federal-employees/career-transition/>)

If you are relying on your education to meet qualification requirements:

Education must be accredited by an accrediting institution recognized by the U.S. Department of Education in order for it to be credited towards qualifications. Therefore, provide only the attendance and/or degrees from schools accredited by accrediting institutions recognized by the U.S. Department of Education

(<http://www.ed.gov/admins/finaid/accred/>)

Failure to provide all of the required information as stated in this vacancy announcement may result in an ineligible rating or may affect the overall rating.

How to Apply

Applications (resume, assessment questionnaire, and supporting documentation) for this vacancy **MUST** be received online **BEFORE** midnight Eastern Time (Washington, DC time) on 08/01/2022. To apply, click the blue APPLY ONLINE button at the top of the page.

Do not submit photographs with the application package. Documents with photographs may not be seen by hiring officials - applicant must remove any images from badges, licenses, etc.

Due to COVID-19, the Bureau of Reclamation is currently in an expanded telework posture. If selected, you may be expected to temporarily telework, even if your home is located outside the local commuting area. Once employees are permitted to return to the office, you will be expected to report to the duty station listed on this announcement in accordance with the Department's reentry procedures provided by your Servicing Human Resources Office. At that time, you may be eligible to request to continue to telework one or more days per pay period depending upon the terms of the Department of the Interior's telework policy.

Agency contact information

 Maria Wallior

Phone

[702-293-8403](tel:702-293-8403)
(<tel:702-293-8403>)

Email

Address

Lower Colorado Basin
Bureau of Reclamation
PO Box 61470

mwallior@usbr.gov
(<mailto:mwallior@usbr.gov>)

Boulder City, NV 89006
US

[Learn more about this agency.](#)
([#agency-modal-trigger](#))

Next steps

Upon successful submission of the application packet, applicants will receive a confirmation email from USAJOBS. If this email confirmation is not received by the applicant, the application has not yet been accepted by the system.

After all application packages have been received, resumes and supporting document(s) will be reviewed to ensure applicants meet the basic qualification requirements. Each applicant who meets the basic qualifications will be further evaluated on the information provided in the resume, application questionnaire, and other assessment criteria identified in the "How You Will Be Evaluated" section above. Best-qualified applicants will be referred to the selecting official. After making a tentative job offer, a suitability and/or security background investigation will be conducted. A final job offer is typically made within 40 days after the deadline for applications. Applicants should monitor their status for positions with the Bureau of Reclamation by regularly checking their public status notifications in the USAJOBS profile.

Fair & Transparent

The Federal hiring process is setup to be fair and transparent. Please read the following guidance.

[Equal Employment Opportunity \(EEO\) Policy](#)

([/Help/equal-employment-opportunity/](#))

[Financial suitability](#)

([/Help/working-in-government/fair-and-transparent/financial-suitability/](#))

[New employee probationary period](#)

([/Help/working-in-government/fair-and-transparent/probationary-period/](#))

[Privacy Act](#)

([/Help/working-in-government/fair-and-transparent/privacy-act/](#))

[Reasonable accommodation policy](#)

([/Help/reasonable-accommodation/](#))

[Selective Service](#)

([/Help/working-in-government/fair-and-transparent/selective-service/](#))

[Signature and false statements](#)

([/Help/working-in-government/fair-and-transparent/signature-false-statements/](#))

[Social security number request](#)

([/Help/working-in-government/fair-and-transparent/social-security-number/](#))