

CEDAR KEY WATER AND SEWER DISTRICT NOTICE OF PUBLIC MEETING

Notice is hereby given that at 5:01 PM on January 2, 2024, the Cedar Key Water and Sewer District (“District”) will hold a public meeting at the District’s office, 510 3RD STREET, CEDAR KEY, FL 32625, to which members of the public are invited to attend and participate. A copy of the draft agenda is listed below, The District may consider and take action with respect to matters not listed on the draft agenda.

1. Call to order
2. Pledge and Prayer
3. Public Comment
4. Adoption of Agenda
5. Discussion of General Manager Applicants
6. Discussion of Potential New Wells
6. Commissioner Comments
7. Public Comment
8. Adjourn

If a person decides to appeal any decision made by the District with respect to any matter considered at the meeting, such person will need a record of the proceedings and may need to ensure that a verbatim record is made, including the testimony and evidence upon which the appeal is made. In accordance with the Americans with Disabilities Act, persons needing special accommodations or an interpreter to participate in the meeting should contact the District Office at (352) 543-5285 at least three (3) business days prior to the dates of the hearing.

Alok Kumar Sinha
Apartment-522, Waterford Dr
Edison, New Jersey, NJ-08817

LinkedIn profile-[linkedin.com/in/alok-kumar-sinha-716aa418](https://www.linkedin.com/in/alok-kumar-sinha-716aa418)

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RESUME

CAREER HIGHLIGHTS

Over 40 years of professional experience in the field of Civil Engineering and Human Resources Development focused mainly in implementation of several major and medium Water & Natural Resources projects, Environmental & wild life protection as well as their business development and man power planning. Preparation of Detailed Project Report , Project Management and quality assurance of construction and its Hydraulic Structures by inspection and suggested remedial measures for rectification of deficiency, Maintenance works, completion Report and Performance evaluation report of projects .

Group management expertise, streamlining operations and optimizing staff performance to drive successful execution of projects, revenue growth across large scale consultancy enterprise. Secures and strengthens lucrative partnership, identifying and capitalizing on organization growth opportunities with notable achievements in development. Business development EOI & Proposals, tendering and specialize work of environmental and wildlife protection in planning of projects.

I am Confident and adept decision maker and Strategizes operation frame works to integrate and align with company vision and client objectives, fostering staff performance, achieving best practice and economically execution of different type projects and good coordination skill. Travelled in connection with projects to Bhutan, Vietnam, Bangladesh, Afghanistan, France and USA.

EXPERTISE FIELDS

- Excellent business development skill.
- Hydro-Power planning & Execution
- Details Engineering for water Resources Project
- Master plan for Flood mitigation
- Planning for Environmental & Natural resources
- Preparation of Technical & Financial proposal
- Business Analysis.
- Project Planning and Management
- Man Power planning.
- Human Resources Development

EMPLOYMENT NARRATIVE

Period		1 st January ,2018 to till date
Employer		Open to any company
Position Held		Not Working
<p>I am presently in New Jersey (USA), Not working anywhere but as a freelance consultant help free, if anybody approach. I am also associated with many National Institute Technology and the Indian Institute of Technology in the finalization of study materials and other development activities in India. I am also an adviser to many ongoing water resources projects in India. Now my services are available globally for Water Resources, Highway projects, and Hydro-Power projects. As I have migrated to the USA permanently and looking for an active job in Water Resources & Hydro Power field. Volunteering services for animal protection and natural habitation.</p>		
Period	:	Oct,2009 to 31 st December,2017
Employer		WAPCOS Ltd.
Position Held		Project Director (Sr.General Manager)
<p>I have worked in various offices of WAPCOS in a Senior Management Position and completed various prestigious projects of Water Resources, Dam construction, Road, Interlinking of rivers, Irrigation system planning, and Agriculture development with advance planning of Environmental protection and wildlife rehabilitation.</p> <p>I was independent doing work on my own hand, very sincerely, honestly with full dedication, devotion, and creative nature by maintaining punctuality, discipline and by placing the right man in the right place as well as keeping the works in proper rotation, fixing the priority works on top according to requirements with desired output in a very Systematic manner on time for maintaining the reputation of the company. My job starts from Business Development, Planning & Execution of all said Projects and also Liaison with a different agency.</p>		
Period	:	Nov,2007to September,2009

Employer		WAPCOS Ltd. (Tala Hydel Project, Bhutan)
Position Held		Chief Engineer & Project Manager
<p>I was overall in-charge of Projects being executed in Bhutan as a Chief Engineer & Project Manager of WAPCOS Ltd and responsible to provide all technical and logistic supports to the Project Authority, Government of Bhutan. Take initiative to identify new projects, Funding Planning, Investigation, Hydrology, and Preparation of detail reports, Engineering supports, and Project Management during execution. I was also responsible for Liaison & Coordination among Govt of Bhutan, Govt of India, the Project Authority, the Advisory organization associated with the implementation of projects and Business Development works. The wildlife got disturbed due to construction activities, blasting and increasing human population, special protection plan was made to protect wildlife and keep their original habitation and growth.</p>		
Period	:	July, 2000 to Oct,2007
Employer		WAPCOS Ltd
Position Held		Deputy Chief Engineer/ Addl. Chief Engineer
<p>Provided engineering, management, and administrative support, talent, and leadership abilities, to assist people, Guiding planning, design, and field staffs of organizations for better execution of projects and enhancing the quality of working through the development and latest updating. I was also in charge of different types of projects with environments protection and wildlife protection. My job responsibility from Barrow project, concept to completion, construction supervision and thereafter an evaluation. It was necessary to consider environmental protection activities in planning of any projects.</p> <ul style="list-style-type: none"> ➤ Salma Dam Multipurpose Project (42MW & 75K Hect irrigation), Herat, Afghanistan. ➤ Yashwant Sagar Reservoir project for Indore Water Supply. ➤ Other Projects; K.C canal, River erosion mitigation, Dam, Irrigation & Agriculture development Projects, Rehabilitation etc 		
Period	:	March.1999 To June, 2000
Employer		BRAHMAPUTRA BOARD
Position Held		Executive Engineer(I)
<ul style="list-style-type: none"> • Preparation of Drainage Congestion development Scheme for mitigation of flood in river Brahmaputra and its tributaries. • Special scheme for development of RudarSagar (Tripura) considering Agriculture, Fisheries aspect and protection of entry silt into Lake to protect environment. • Environmental study of river valley projects and special planning for wildlife protection as NE region of India is reach in wild animals • Updating Master Plan of Tripura River system for Water Resources Development and project planning 		
Period		March.1994 To Feb, 1999
Employer		NARMADA CONTROL AUTHORITY (MOWR)
Position Held		Deputy Director
<ul style="list-style-type: none"> • Hydrological Study of Narmada River for deciding maximum water level by flood frequency method. • Investigation of proposed Omakashwar Multipurpose Project including Hydrological study. • Monitoring of construction activity of Indira Sagar, Maheshwar Hydel Project, and Sardar Sarovar Project. • Environmental Impact assessment study for all projects in Narmada Basin with special impact on wildlife and its migration. • Study carried out for Hydro-meteorological information system and Telemetry project for flood forecasting. 		
Period	:	August 1988 to February,1994
Employer	:	NATIONAL WATER DEVELOPMENT AGENCY (NWDA)
Position Held	:	Deputy Director
<ul style="list-style-type: none"> • Interlinking of Peninsular River System and Himalayan River system. • Water balance studies of Krishna, Godavari, and Chambal river basins and their sub-basins. • Assessment of Flood control, Flood forecasting, water Resources, environmental impact. • Preparation of Resettlement and Rehabilitation guideline for people and animal affect by propose projects . 		
Period	:	December,1983 To July,1988
Employer	:	Brahmaputra Board
Position Held	:	Asst Executive Engineer
<ul style="list-style-type: none"> • Hydro-metrological establishment and Hydrological Study for Tripura River System. • Prepared Master Plan Tripura rivers system for Water Resources Development considering Agriculture, Horticulture, Environmental, Industrial, Power, and Social Development. • Flood mitigation study and control 		

• Prepared Drainage improvement Schemes, protection of wildlife & environment	
Period	September,1981 To November,1983
Employer	CHUKHA HYDEL PROJECT, Bhutan
Position Held	Asst Engineer
<ul style="list-style-type: none"> • Construction supervision of 40m high concrete Dam. • Monitoring of requirement of Cement, Steel & Explosive and Procurement of construction materials & maintenance of Equipments. • Requirement of Construction materials Cement, Silt, Reinforcement, Explosive and equipment., <ul style="list-style-type: none"> • Network planning of construction activities of the Project • Preparation of grouting pattern, and supervision of grouting works. • Associated in Geotechnical activity during construction of Dam • Quality control of construction work and construction material of Dam. • Preliminary investigation and preparation of PFR of Hydel Projects (Chukha=II).. 	

STATUS

I am Permanent Resident (Green Card) and free to work with any employee and having valid driving license of USA

AWARD

- **Awarded with National BHARAT GAURAV AWARD in 2018 for my contribution in the field of Engineering for development activities .**

EDUCATION

- **Bachelor in Civil Engineering, - Dec-1980- University of Mysore (INDIA)- Graduated**
- **M.Sc (Disaster Mitigation) Environmental impacts --August-2003- Sikkim Manipal University (India) – Master degree-completed**
- **Ex MBA (HRM)- September, 2010 - National Institute of Business Management, Chennai(India) – Master Degree-completed**

COMPUTER SKILLS

Microsoft Office (Word, Excel and paint), PowerPoint, Microsoft Project, Project and Scheduler. Have good knowledge of computer for preparation of reports, estimate, drawing etc .
Knowledge of Primavera, M.S. Project, Mike Basin and Mike Hydro Basin

MEMBERS AND ASSOCIATION

- Member of Indian Society of Engineering Geology.
- Member of (M.I.E.) of Institution of Engineer (India)
- Member of Indian Society for Rock Mechanics & Tunneling Technology (ISRMTT)
- Member of Indian Society for Construction Material & Structures (ISCMS)
- Member of the Society of Power Engineering (India)
- Member of the Indian Water Resources Society (IWRS).

Pamela Brotheridge
11365 N Brenda Terr, Citrus Springs,
FL 34434
239-357-1165
pbrotheridge@hotmail.com

TO WHOM IT MAY CONCERN:

I have a diverse background in water and wastewater treatment that started in 1982 and hold highest level licenses. I am double A Florida licensed. I have experience in land application of biosolids, water distribution, wastewater collection, water treatment, wastewater treatment, stormwater, pretreatment, construction project management, meter services and customer service. My experience includes operations, maintenance, construction, supervision and management. Specialize in research, compliance monitoring & reporting, union negotiation, public/private presentations and team leadership.

I have an Associate of Arts degree from Seminole College, Sanford, Florida and a Bachelor of Science Degree from Florida Gulf Coast University, Ft. Myers, Florida. I am currently working on my Master's Degree.

My work in Nevada included biological phosphorus removal utilizing bioreactors with membrane filtration. Since 2003 I have managed my own business providing consulting and operation management services in all areas of the environmental field. I worked on an assignment in the Florida Keys managing installation of vacuum sewer systems and multiple wastewater treatment plant constructions.

I am willing to relocate for a great position and am available for employment immediately.

Sincerely,

Pam Brotheridge

Reference List for Pamela Brotheridge

David Wright = Operations Chief Seminole County FL
Dwright02@seminolecountyfl.gov
407-665-2891

Josh McCann – Operations Specialist Wastewater Seminole County FL
jmccann@seminolecountyfl.gov
407-6652891

Bryan Tracy – Business Owner, Thompson Environmental, Ft. Myers, Florida
JBTracy1@comcast.net
239-910-5146

Ernie Williamson – Project Manager – ST Environmental
eewilliamson@yahoo.com
601-291-2632

PAMELA BROTHERIDGE

11365 N BRENDA TERR, CITRUS SPRINGS, FL 34434

PHONE: (239) 357-1165

EMAIL: PBROTHERIDGE@HOTMAIL.COM

OBJECTIVE

I desire employment at the management level where my education and experience will be utilized in implementing programs concerning all areas of public service and ecology as well as public health/safety. I desire the opportunity to provide the public with excellent quality services in the environment field.

EXPERIENCE

Florida Rural Water Association, FL, State Water Trainer – 03/01/2023 to present

- ❖ Provides training for State certified licensed operator providing continuing education units so they can renew or obtain their State License. Provide technical guidance to Florida City and County governments as well as State and Federal Regulations and finance options.

City of Marco Island, FL, Water & Sewer Customer Service Manager – 08/01/2022 to present

- ❖ Provides supervision and management to customer service personnel and field meter personnel for the City's water and sewer billing function. Position supervises employees and schedules day-to-day work activities to provide optimum efficiency and productivity. Supervises and manages the processing of impact fees, connection fees, meter fees and deposits, delinquent payments, and utility service orders.
- ❖ Manage rate increase for Council approval. Resolves individual customer complaints and requests that can't be resolved through personnel under charge; makes file adjustments to accounts as necessary
- ❖ Provided a Schedule of Values for the project.
- ❖ Set priorities that move projects through efficiently, critical thinking for issues resolution.
- ❖ Develop and manage project budgets. Ability to analyze and define problems, identify alternative solutions, estimate consequences of proposed actions, and implement recommendations in support of goals
- ❖ Develop and manage water loss reports, monthly consumption report and new meter connection reports. Ability to present data to the Commissioners.
- ❖ Responsible for public notice posting of violations.

Seminole County Government, FL, Wastewater Operations Manager - 12/09/2019 07/2022

- ❖ Responsible for two wastewater reclamation facilities, ActiFlo surface water plant and reclaimed water. I manage and administer industrial pretreatment FOG and SIU programs. Modify the ordinance as required by regulation & industrial treatment regulations. Approve building plans and provide approval or exception letters as needed pertaining to grease interceptors or oil/water separators. Manage SCADA and plant security. Attend commission meetings as needed. ASR project management. Budget management including CIP and extensive R&R projects. I am utilized for performing duties of the Utility Manager in her absence. Asset protection and asset management required for the Division. Monitor and direct collections and distribution as needed.

Daniel O'Connell's Sons, Aventura, FL, Project Manager - 11/2017 to 10/2018

- ❖ Managed startup project, contract with Miami-Dade County for disinfection facility improvements (18M) and second contract for secondary clarifier's rehabilitation (22M).
- ❖ Created financial documents for tracking profitability and budgeting. P&L reports.
- ❖ Manage construction schedule specifying project timeframes/milestones. Report project status is on time and on budget.
- ❖ Provided a Schedule of Values for the project. Bid documents.

- ❖ Manage subcontractors and made sure the scope of work was followed. Review scope of work to determine if the scope was covered both by our bid (budget) and inclusion of subcontractors work. Determine through quotes from subcontractors that all work required in the scope is covered, and what percent will be self-performed.
- ❖ Contract management for both project and subcontractors.
- ❖ Ran safety program, developed Site Specific Safety Plan; Hurricane Preparedness Plan; Erosion, Sedimentation and Dust Control Plan.

Veolia North America, Atlanta GA, Project Manager – 09/06/2016 to 04/23/2017

- ❖ I began work with Veolia as the Project Manager at the Big Creek Water Reclamation facility, a 26MGD wastewater plant.
- ❖ I am responsible and oversee multiple construction projects for plant rehabilitation that included facility rehabilitation on aeration tanks, blowers, lime station, addition of screw pumps with modification of design (screw pumps are no longer manufactured that are existing) and building repairs. Prepare P&L and budget report documents.
- ❖ I was part of the transition team for Jackson, MS and provided training to staff on regulations and reports, design change recommendations and re-design on dewatering. I established SOP's relevant to required reporting and documentation for compliance with the facility permit. Duties include P&L, budget, Invoicing, CMMS program (administrator) and performance evaluation. Establish goals and plans to achieve them.

Severn Trent, Gallup, NM, Project Manager – 11/01/2015 to 08/15/2016

- ❖ I have established goals, strategies and policy/procedures and directed the implementation of those project goals. Worked with the Client to establish open communication and confidence.
- ❖ Efficiently assume responsibility for insuring the financial management, operational efficiency and regulatory compliance of the Project. Development of strategic plans and sustainability for the project and make recommendations to the client on optimization of those plans.
- ❖ I have worked hard at client relations and developed communication with City staff. Past Director Vince Tovar and I scheduled weekly meetings and were able to develop plans to move forward on established Capital improvement projects that had been stalemated for some time.
- ❖ I investigated the regulatory reporting history and discovered several reports were not submitted as required by permit. I worked with Brian Schall with NMED Water Quality Bureau on giving me an extension on getting the missing reports submitted and was granted a three week time frame. I submitted all missing reports and established files and confirmation on all reports as there were no hard copies or electronic copies found.
- ❖ I discovered there was no existing RMP (Risk Management Plan) and worked with our regional H & S manager on creating the plan and getting the update to the EPA Region 6 regulators. I participated in the EPA inspection in March of 2016 and am currently working on making corrections on all items found deficient.
- ❖ Continuous work toward updating all required plans, Sludge Management Plan, Emergency Response Plan as well as laboratory QA/QC. I have conducted a review of the sludge

disposal and established a corrected directive for disposal. I currently hold a Level II Land Applier License.

- ❖ Made corrections on time management schedules for staff making sure goals are met.
- ❖ Design and implementation of sludge digesters, piping configuration, and operations.
- ❖ Work daily on financial requirements making sure resources are available to meet project goals. Prepare and manage annual operating and capital budgets. Review monthly financial reports from our Financial Analyst and make changes or suggestions as needed.
- ❖ Continuously monitor and respond to client needs and requirements and recommend design changes to better accommodate those needs. I have attended several council meetings and meet with client weekly or as needed

United Water, Jackson, MS, Dewatering & Land Application Supervisor – 06/01/2013 to 11/01/2016

- ❖ Operations and supervision for 45-60mgd wastewater facility.
- ❖ Manage Belt Press and Centrifuge dewatering operations and maintenance. Made recommendations to Client for purchase of dewatering equipment to optimize the division.
- ❖ Manage all land applications to farm land and/or landfill. Supervise the application of biosolids onto fields by contractor (MAC Construction). Prepare annual biosolids application reports for MDEQ and EPA.
- ❖ Worked closely with Client on severe degradation of the collection system infrastructure. Made recommendations on repair and replace of piping that was collapsing causing road damage.
- ❖ Responsible for influent station rehab, pump replacement and structure damage. Station was four stories deep, I was responsible for making sure safety equipment (PPE) was utilized and documentation of confined space was followed.
- ❖ Dredging project for holding ponds removing sludge and debris.
- ❖ Responsible for all compliance and reporting requirements. 503 Annual Report
- ❖ Training operations and maintenance staff in safety and operations.
- ❖ Responsible for laboratory data interpretation, sampling, scheduling & QA/QC

North Las Vegas, NV, Water Reclamation Facility Operations Supervisor-01/01/2012 to 06/01/2013

- ❖ Supervision of 6 operators. Operations and supervision for 25mgd water reclamation facility with peak flow capacity of 50mgd. Responsible for compliance with State and Federal regulations.
- ❖ Certification of an environmental laboratory, create SOP's, Lab QA/QC Plan and Safety/Hygiene Plan. Wrote the application for request for laboratory certification/accreditation.
- ❖ Treatment includes submerged membrane bioreactor technology. Advanced nutrient removal is used for the removal of phosphorous and nitrogen before discharging wastewater to the Sloan Channel. A modified Ludzack-Ettinger process for pre-denitrification is used for nitrogen removal along with enhanced biological phosphorus removal and/or chemical phosphorus precipitation using Ferric Chloride.

- ❖ Industrial waste contributors are monitored through testing and inspecting sewer manhole locking system. Monitor and operate from SCADA system (Wonderware) with extensive data compilation and trending. Wrote and submitted the Annual Sludge Report for 503 regulation compliance. My people skills proved valuable in getting the staff working as a team with complete communication between operations, maintenance and engineering.

Worldwide Aquatics; Owner/Manager – 04/01/2003 to 01/01/2012

- ❖ Oversee the operations including accounting, bookkeeping, sales and marketing.
- ❖ Consultant for water/wastewater treatment, stormwater construction and design, manage/O & M
- ❖ Consulting contracts with Thompson Environmental, Mr. Bryan Tracy (owner) including operation, compliance, regulation updates and reports.
- ❖ Provide water quality testing for clients for their swimming pools and drinking water wells. Consulting O & M contracts with Thompson Environmental including operation, compliance and regulations.
- ❖ Project manager and consultant in the Florida Keys for vacuum sewer system construction, wastewater treatment design as well as construction and contract management. Worked closely with engineers on the construction progress for the wastewater treatment plants and coordinated the startup for the facility and collection system.
- ❖ Write and manage SOP's, Emergency Response Plans and Operating Protocols.

Lee County Utilities/ST Environmental Services, Assistant Plant Manager/Laboratory/Operations 01/01/2000 to 01/01/2004

- ❖ Oversee operations of multiple wastewater treatment plants. Responsible for compliance reporting, monitoring and maintenance. Budget management, writing the QA/QC Laboratory Plan, Health & Safety Plan, Communications Plan & MSDS program. Instructor for First Aid/CPR and safety officer for wastewater division. Hazwoper 40 hour trained and certified in 2001.
- ❖ Manage construction on a new Crom tank for clarification.
- ❖ Responsible for making corrections to the equipment maintenance program and present the outcomes to the County Board. I was instrumental in getting the CMMS program up to date and corrected. Developed a program to provide reliability for all maintenance tasks. Opened communications with County personnel.
- ❖ Coordinate reporting and operation compliance between Lee County and regulatory agencies. Purchase of laboratory equipment for certification/accreditation. Perform research on cost comparison of current testing for justification of expense to the management team and County Commissioners.

Town of Braintree Water & Sewer, Braintree, Ma., Operations Manager Water & Sewer – 09/01/1996 to 10-01-1999

- ❖ Supervisory, coordinate laboratory testing for water quality, responsible for instructing on proper care, maintenance and operations of intake & treatment of the Town reservoir. Supervisory of 1 water plant chief operator, 7 operators, 1 staff engineer, 4 wastewater contract operators from Woodard & Curran and 4 office staff.

- ❖ Perform skilled technical work in connection with construction, maintenance and repair of the Town's water/sewer distribution system, and wastewater collection system. Plan, schedule and supervise the work of semi-skilled and skilled subordinates engaged in the installation, maintenance and repair of water/sewer mains and services, hydrants, shut-off gates and valves. Responsible for administrative, technical and supervisory work in the procurement and treatment of an adequate, reliable and potable supply of water for the Town; and oversee other functions of the Department. Perform complex and highly responsible duties in the proper care, maintenance, and operation of the intake and treatment facilities at the Town's reservoirs. Perform responsible duties in planning and supervising the work of crews engaged in construction, maintenance and repair of the water/distribution and wastewater collection systems. Exercise considerable judgment in providing an adequate and reliable supply of potable water to the system under widely varying conditions of water consumption. Responsible for the maintenance and repair of all system pumps. Exercise supervision over all personnel assigned to the treatment plant and systems maintenance.
- ❖ Instruct subordinates in the performance of the more complex types of installations and repairs and in the operation and maintenance of trucks, backhoe, front-end loader, air compressor and other automotive and stationary equipment with the aid of outside vendors. Maintain inventory and requisitions of all equipment, materials and supplies. Exercise independent judgment as to work methods and assignments; adapting or modifying methods and procedures to meet changing conditions. Prepare periodic reports of all work performed on the water/sewer distribution system and makes recommendations to the Executive Director relative to improving the system. During my tenure with the Town, I developed a computer based vehicle maintenance/inventory program, as well as upgrading all the computers in the department. Worked on GIS and autocad programs. Monitored industrial dischargers and made inspections along with the department engineer. Review of construction plans submitted by contractors and home owners and directed changes for compliance with the Town's ordinance. Wrote Standard Operating Procedures and Emergency Plans for the department.
- ❖ Supervision of the Chief Water Works Manager who is responsible for the operation of the filtration plant and main pumping station, the testing of water for quality during the treatment process and maintains accurate records thereof. Prepare periodic reports of all work performed on the water/sewer distribution system and makes recommendations to the Executive Director relative to improving the system.

EDUCATION

- ❖ **FL Water A #0004472, FL Wastewater A #0007559, GA Wastewater WW1-014176, Class II Land Applier Management #BLA1549E**
- ❖ FRWA Annual Conference, Wesley Chaple, FL 2022
- ❖ FRWA Conference, Daytona Beach, FL 2021
- ❖ Florida Groundwater Conference, 2021
- ❖ NM Water Conference, 2016
- ❖ Webinar 2015, Incorporating Benchmarking and Performance Measurement into Your Utility's Culture and Lessons Learned from Leading Experts; Wastewater Modeling 101
- ❖ **WEF Member, Committee Member Utility Management and Biosolids/Residuals**
- ❖ **Florida AWWA Member, Committee Member Automation**
Florida Water & Pollution Control Operator Association Industrial Pretreatment Committee
South East Desalination Association

- ❖ Membership NELAC
- ❖ EPA training; Electronic Discharge Monitoring Report
- ❖ **FEMA TRAINING:** Emergency Program Manager, Intro to Hazardous Material, Intro to Incident Command System, ICS for Single Resources & Initial Action Incidents, State Disaster Management, Fundamentals of Emergency Management, Emergency Planning, Leadership & Influence, Effective Communication, Community Hurricane Preparedness, Introduction to Hazard Mitigation, Emergency Management Preparedness Fundamentals.
- ❖ **College Degree's, AA Degree Seminole College, FL, BS Degree Florida Gulf Coast University, working on Master.**
- ❖ Seminars; SBR Treatment Process, Biological Phosphorus Removal, How To Lead A Team, Focus on Change, Internet Regulations-State/Federal
- ❖ North Carolina Laboratory Analyst Certification
- ❖ Advanced Waste Treatment Course, California University
- ❖ D.O.T. Supervisor Alcohol/Substance Abuse, Building & Leading Successful Teams
- ❖ Project Planning & Management, Management Controls, Conflict Resolution for Managers, Conflict Resolution Management

REFERENCES

Provided on request.



Florida Department of Environmental Protection

REQUEST FOR INCLUSION ON THE DRINKING WATER PRIORITY LIST

Drinking Water State Revolving Fund Program
Douglas Building, 3900 Commonwealth Blvd, Tallahassee, Florida 32399-3000

The information in this Request for Inclusion (RFI) application is used to determine project eligibility and priority scoring. The priority score is used to rank projects for placement on the State Revolving Fund (SRF) priority list. Only projects placed on the fundable portion of the priority list receive consideration for a loan. Please note that costs incurred before the adoption of the project on the fundable or waiting portion of the priority list are not eligible for reimbursement.

1. Applicant's Name and Address.

Project Sponsor: Cedar Key Water and Sewer District Contact Person: James McCain Title: General Manager

510 3rd Street

(street address)

Cedar Key

(city)

352-543-5285

(telephone)

(ext.)

Levy

(county)

32625

(zip code)

james@ckwater.org

(e-mail)

Contact Person Address (if different):

(street address)

(city)

(state) (zip code)

2. Name and Address of Applicant's Consultant (if any).

Firm: Florida Rural Water Association Contact Person: Dyana Stewart Title: Financial Management

2970 Wellington Circle

(street address)

Tallahassee

(city)

850-806-8077

(telephone)

(ext.)

32309

(zip code)

dyana@frwa.net

(e-mail)

3. Type of Loan Requested in this Application. (select only one loan category and project type)

Planning Loan <input type="checkbox"/>	Design Loan <input type="checkbox"/>	Planning and Design Loan <input checked="" type="checkbox"/>	Construction Loan <input type="checkbox"/>
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Project Type: Design/Bid/Build Design/Build (D/B) Construction Manager at Risk (CMR)

Note: Procurement of professional services must meet the requirements of the Consultants' Competitive Negotiation Act, Section 287.055, F.S.

Eligibility for a Loan. In order to be considered for a priority listing, the following conditions must be met:

- The respondent to this solicitation must qualify as a "project sponsor" as defined in subsection 62-552.200(27), F.A.C.
- The minimum construction loan amount is \$75,000.
- The project sponsor must agree to submit biddable plans and specifications within 1-year after execution of the loan agreement to qualify for a combined planning and design loan.
- The project is part of a public water system as defined in subsection 62-552.200(28), F.A.C., and may include drinking water supply, storage, transmission, treatment, disinfection, distribution, residuals management, and appurtenant facilities.

REQUEST FOR INCLUSION ON THE DRINKING WATER PRIORITY LIST

4. Median Household Income, Population and Principal Forgiveness Percentage (PF%). (complete a. through e. below)

- Median household income (MHI): 69,886 (current U.S. Census data or verifiable estimates)
- State median household income (SMHI): 61,777 (current U.S. Census data)
- Population (P) served 980 = number of service connections 1016 times 2.5 persons per connection to include proposed connections.
- Is the project sponsor applying for a planning and/or design loan with principal forgiveness? Yes No . If yes, then PF is 50%. *Only a sponsor that qualifies as a financially disadvantaged small community is eligible for a planning/ design loan with PF.*
- Is the project sponsor applying for a construction loan with principal forgiveness? Yes No . If yes, then PF% is calculated using the formula: $PF\% = 1760/9 - 160 \times (MHI/SMHI) - 7/4500 \times P$.

Calculate PF% for a construction loan using the above formula: _____ (minimum 20% and maximum 90%).

If the sponsor is connecting a financially disadvantaged small community as defined below, a maximum 50% PF is available.

Please note that the calculated PF% is an estimate and the actual percentage will be determined by the Department. The amount of loan available with principal forgiveness for a project is dependent upon the amount of funds allocated for the fiscal year.

Eligibility for a loan with principal forgiveness. In order to be considered for a loan with principal forgiveness, the following conditions must be met:

- The project sponsor must qualify as a financially disadvantaged small community public water system as defined in Rule 62-552.200, F.A.C., unless the sponsor is specifically exempted from this requirement.
- The median household income (MHI) of the sponsor's service area must be less than the state median household income (SMHI) as reported from the current U.S. Census data or from verifiable estimates, unless the sponsor is specifically exempted from this requirement.
- The population (P) of the sponsor's service area must be less than 10,000 (to include the population from the project's proposed future connections), unless the sponsor is specifically exempted from this requirement.
- The project sponsor is allowed only one open loan with principal forgiveness. A loan is deemed open until the final disbursement of the project has been paid by the department.
- A project sponsor is eligible for a construction loan with principal forgiveness (maximum 50%) if connecting a community with less than 250 residential wells; an existing public water system with less than 250 service connections; or a separate, non-interconnected public water system owned by the sponsor. The project area must qualify as a financially disadvantaged small community.
- A financially disadvantaged community with a population of 10,000 or more is eligible for a construction loan with 20% principal forgiveness if dollars are available after funding all eligible financially disadvantaged small communities.
- A project sponsor that is a for-profit entity is not eligible for principal forgiveness.
- A construction project for a financially disadvantaged small community that uses a Construction Manager at Risk delivery method is ineligible for principal forgiveness.

5. Interest Rate Percentage.

The interest rate for a loan with the Department is determined using the following formula:

$$\% \text{ of MR} = 40 \times (MHI/SMHI) + 15 \qquad \% \text{ of MR} = \text{Percentage of Market Rate.}$$

Calculate and enter the % of MR below:

$$\% \text{ of MR for a loan: } \underline{60\%} \qquad (35\% \leq \% \text{ of MR} \leq 75\%)$$

Please note that the calculated % of MR is an estimate and the actual interest rate will be determined by the Department. The interest rate for a loan shall not be less than 0.2 percent.

6. Base Priority Score. Each project shall receive a base priority score (BPS) dependent on the weighted average of its components. The BPS shall be determined using the below formula where CPS means the component priority score and CCC means component construction cost.

$$BPS = [CPS_1 \times CCC_1 + \dots + CPS_n \times CCC_n] / \text{Total Construction Cost}$$

Select each component and component score in Table 1 below that apply to the project, enter the estimated construction costs, and calculate the base priority score.

- Component priority scores that are based on contaminant levels must be justified by sample analytical data (see exception in notes at bottom of Table 1). The date of sample collection must be less than 24-months from the submittal date of the Request for Inclusion.
- The project sponsor must provide documentation demonstrating that contaminant levels (e.g. disinfection byproducts) cannot be reduced by adjusting system operations, if applicable.

REQUEST FOR INCLUSION ON THE DRINKING WATER PRIORITY LIST

- A compliance-1 category component score of 400 points, if selected in Table 1, must be supported by documentation demonstrating the need for the project; otherwise, a component score of 300 points shall be assigned.

Table 1

Project Component <i>(select all components that apply)</i>	Component Priority Score	Component Construction Cost
Acute Public Health Risk		
<input type="checkbox"/> 1a. E-Coli or Fecal Coliform Exceed MCL (62-550.310(5), F.A.C.)	800 points <input type="checkbox"/>	_____
<input type="checkbox"/> 1b. Nitrate, Nitrite, or Total Nitrogen Exceed MCL (62-550.310(1), F.A.C., Table 1)		
<input type="checkbox"/> 1c. Lead or Copper Exceed Action Level (62-550.800, F.A.C.)		
<input type="checkbox"/> 1d. Surface Water Filtration/Disinfection Noncompliance (62-550.817(2), F.A.C.)		
Potential Acute Public Health Risk		
<input type="checkbox"/> 2a. Nitrate, Nitrite, or Total Nitrogen 50% of MCL (62-550.310(1), F.A.C., Table 1)	700 points <input type="checkbox"/>	_____
<input type="checkbox"/> 2b. Microbiologicals Exceed MCL (62-550.310(5), F.A.C.)		
<input type="checkbox"/> 2c. Surface Water Enhanced Filtration/Disinfection Noncompliance (62-550.817(3), F.A.C.)		
<input type="checkbox"/> 2d. State Health Certification of Acute Health Risk, Unregulated Microbiological Contaminant		
<input type="checkbox"/> 2e. Violation of Disinfection Requirements (62-555.320(12), F.A.C.)		
Chronic Public Health Risk		
<input type="checkbox"/> 3a. Inorganic/Organic Contaminant Exceed MCL (62-550.310(1) & (4), F.A.C., Tables 1.4.5)	600 points <input type="checkbox"/>	_____
<input type="checkbox"/> 3b. Disinfection Byproducts Exceed MCL (62-550.310(3), F.A.C., Table 3)		
<input type="checkbox"/> 3c. Radionuclides Exceed MCL (62-550.310(6), F.A.C.)		
Potential Chronic Public Health Risk		
<input type="checkbox"/> 4a. Inorganic/Organic Contaminant 50% of MCL (62-550.310(1) & (4), F.A.C., Tables 1.4.5)	500 points <input type="checkbox"/>	_____
<input type="checkbox"/> 4b. Disinfection Byproducts 80% of MCL (62-550.310(3), F.A.C., Table 3)		
<input type="checkbox"/> 4c. State Health Certification of Chronic Health Risk, Unregulated Chemical Contaminant		
Compliance-1 Projects <i>(documentation must be attached or default to Compliance-2 score)</i>		
<input type="checkbox"/> 5a. Infrastructure upgrades to facilities undersized, exceed useful life, or with equipment failures	400 points <input checked="" type="checkbox"/>	1,379,520
<input checked="" type="checkbox"/> 5b. Insufficient water supply source, treatment capacity, or storage		
<input type="checkbox"/> 5c. Water distribution system pressure less than 20 psi		
<input type="checkbox"/> 5d. Eliminate dead ends and provide adequate looping in a distribution system		
<input type="checkbox"/> 5e. Replace distribution mains to correct continual leaks, pipe breaks, and water outages		
<input type="checkbox"/> 5f. New water system or extension of existing system to replace contaminated or low yield wells		
<input type="checkbox"/> 5g. Lack of significant safety measures (e.g. chemical containment)		
<input type="checkbox"/> 5h. Secondary Contaminant MCL Exceedance (62-550.320, F.A.C.)		
<input type="checkbox"/> 5i. Drinking water supply project as defined in 403.8532(9)(a), F.S.		
Compliance-2 Projects		
<input type="checkbox"/> 6a. Treatment, Storage, Power, and Distribution Requirements (62-555.320, F.A.C.)	300 points <input type="checkbox"/>	_____
<input type="checkbox"/> 6b. Minimum Required Number of Wells (62-555.315(2), F.A.C.)		
<input type="checkbox"/> 6c. Well Set-back and Construction Requirements (62-555.312 and 62-555.315, F.A.C.)		
<input type="checkbox"/> 6d. Cross-Connection Control Requirements (62-555.360, F.A.C.)		
<input type="checkbox"/> 6e. Physical Security Project Documented in a Vulnerability Analysis		
<input type="checkbox"/> 6f. Consolidation or regionalization of public water systems		
<input type="checkbox"/> 6g. Water or Energy Conservation Project		
<input type="checkbox"/> 7. All Other Projects <i>(including land or public water system acquisition projects)</i>	100 points <input type="checkbox"/>	_____

Note: Item 2d. and 4c. of Table 1 requires a State Health Officer to complete the form "Certification of a Public Health Risk". If 50% or more of wells meet contaminant levels from Table 1 above, then select the appropriate health risk category in Table 1. Flooded wells and wells under the direct influence of surface water are considered an unregulated microbiological potential acute public health risk and require documentation of occurrence in lieu of sampling data.

7. Affordability Score. The extent of affordability existing in a small community to be served by the project shall be reflected in the priority score. Points shall be awarded based upon two affordability criteria: median household income (MHI) and population (P) served. These points are to be added to the base priority score. Calculate the affordability score using the following formulas:

$$\text{Affordability Score} = (\text{MHI Score} + \text{Population Score})$$

$$\text{MHI Score} = 100 \times (1.00 - \text{MHI}/\text{SMHI}), \text{ zero} \leq \text{MHI score} \leq 75, \text{ rounded to nearest whole number}$$

$$\text{Population Score} = 50.0 - (P/200), \text{ population score} \geq \text{zero}, \text{ rounded to nearest whole number}$$

REQUEST FOR INCLUSION ON THE DRINKING WATER PRIORITY LIST

8. **Water Conservation Score.** A project sponsor with a qualifying water conservation project is eligible to receive an additional 100 points added to their base priority score if the sponsor provides a water conservation plan in accordance with EPA's Water Conservation Plan Guidelines document number EPA-832-D-98-001, August 6, 1998.

9. **Total Priority Score.** Total priority score equals the base priority score plus the affordability score. (complete a. through d. below)

- a. Base priority score: 400 points.
- b. Affordability score: 33 points (> zero).
- c. Water Conservation score: points.
- d. Total priority score: 433 points (sum of items a. and c.)

10. **Estimated Project Cost.** (complete a. through i. below)

(enter \$0 if activity is not applicable)

<u>Project Activity</u>	<u>Cost</u>
a. Planning.	<u>40,000</u>
b. Design (not applicable if a D/B project).	<u>180,000</u>
c. Eligible land (necessary land divided by total land times purchase price).	<u> </u>
d. Constr., equip., material, demo. & related procurement (include design if D/B project).	<u>1,379,520</u>
e. Construction contingency (10% of 'd', only applicable for Design/Bid/Build projects).	<u>137,952</u>
f. Technical services during construction and after bid opening.	<u>96,566.40</u>
g. Asset management plan per 62-552.700(7), F.A.C.	<u>50,000</u>
h. <u>Total project costs</u> (sum of a. through g.).	<u>1,884,038.40</u>
i. <u>Loan amount requested</u> by the sponsor in this RFI (assume no principal forgiveness).	<u>270,000</u>

List all funding sources (including grants for this project): _____

11. **Project Schedule.** (complete a. through d. below)

<u>Project Activity</u>	<u>(M/D/YY)</u>
a. Submit planning documents.	<u>8/1/24</u>
b. Submit design/bid documents or RFQ/RFP for CMR & D/B projects.	<u>1/1/25</u>
c. Start construction.	<u>4/1/25</u>
d. Complete construction.	<u>8/1/25</u>

12. **Project Information.** Provide the following information, if applicable.

(select all items below that are attached to this RFI)

- Project description, location with lat/long (degrees), water system PWS ID, and project need (*this is a required attachment*).
- Map of city and county limits, existing and proposed service area, and project area (*this is a required attachment*).
- Lab data, lab data with operational records, or substantiated documentation in lieu of lab data for public health risk projects.
- Certification of a Public Health Risk form completed by a State Health Officer.
- Supporting documentation for projects identified under the Compliance-1 project categories from Table 1 above.
- Project schedule showing plans and specs completion within 1-year of the execution date of a planning/design loan.
- Supporting documentation if MHI not taken from current U.S. Census data.
- Water Conservation Plan in accordance with EPA guidelines.

13. **Certification by an Authorized Representative.** I certify that this form and attachments have been completed by me or at my direction and that the information presented herein is, to the best of my knowledge, accurate and true.

(signature)

(date)

(e-mail)

(print name)

(print title)

Email the completed RFI form with attachments to SRF.Reporting@dep.state.fl.us or mail to the Florida Department of Environmental Protection, State Revolving Fund Program, 3900 Commonwealth Blvd, Tallahassee, Florida 32399-3000.

Cedar Key Water and
Sewer District PWSID#:
2380178
Well field Lat/Long:
29.202801/-82.989873

ff

Cedar Key has experienced elevated salinity levels in their source water wells for many years. The wells are located approximately 2.5 miles from the water treatment facility. They were located this far inland in hopes that saltwater influence would be less likely. During the aftermath of Hurricane Idalia, Cedar Key wells experienced sharp spike in TDS and Conductivity. After reviewing satellite imagery of the adjacent terrain, it was discovered that a tidal creek headwaters were located less than 1000 feet from the well field. It is believed that the spring that feeds this creek had reversed flow due to the extreme storm surge caused by Idalia. This saltwater was injected directly into the source well production zones and caused salinity spikes for weeks following the storm. Cedar Key was forced to run and nearby abandoned well 24/7 wasting water in effort to pull the saltwater away from the potable water wells. This strategy was eventually effective but resulted in a great deal of wasted water and the salinity impacted treatment facility and finished water quality.

FRWA and SRWMD believes that the proximity to the spring will continue to impact the City's wells during tidal surge events in the future.

Alternate Water Source is needed.

Place

Cedar Key city, Florida

Cedar Key city, Florida is a city, town, place equivalent, and township located in Florida.

[Share Profile](#)



Display Sources

United States / Florida / Cedar Key city, Florida



Populations and People

Total Population
687
#1 | 2020 Decennial Census



Employment

Employment Rate
33.3%
#103 | 2022 American Community Survey 5-Year Estimates



Families and Living Arrangements

Total Households



Income and Poverty

Median Household Income
\$69,886
#1901 | 2022 American Community Survey 5-Year Estimates



Housing

Total Housing Units
672
#1 | 2020 Decennial Census



Race and Ethnicity

White alone, not Hispanic or Latino



Education

Bachelor's Degree or Higher
45.2%
#1521 | 2022 American Community Survey 5-Year Estimates



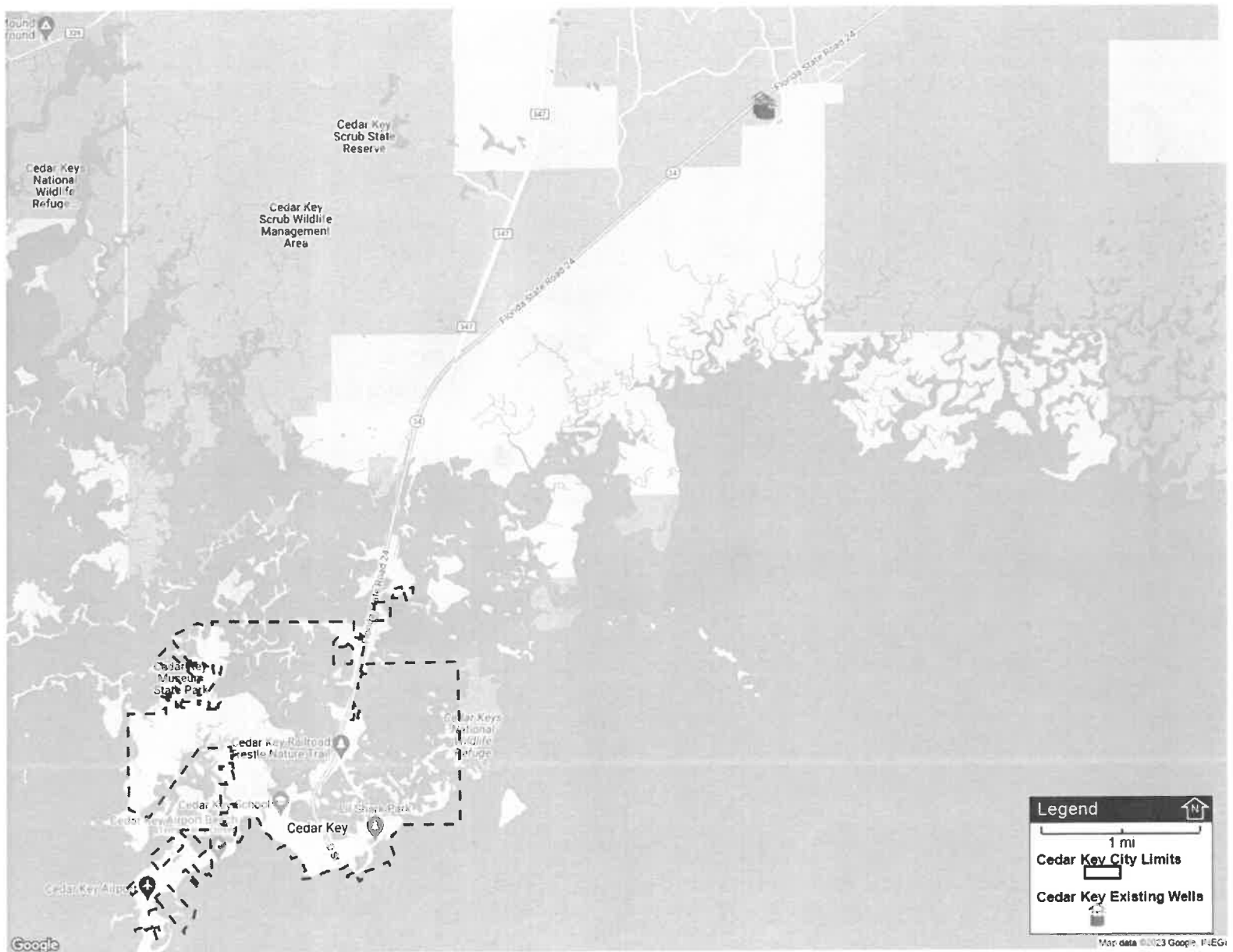
Health

Without Health Care Coverage
9.7%
#2701 | 2022 American Community Survey 5-Year Estimates

12/20/23, 1:44 PM

Print Preview





Legend

1 mi

Cedar Key City Limits

Cedar Key Existing Wells