



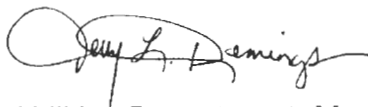
ORANGE COUNTY MAYOR

Jerry L. Demings

P.O. BOX 1393, 201 SOUTH ROSALIND AVENUE, ORLANDO, FL 32802-1393
PHONE: 407-836-7370 • FAX: 407-836-7360 • EMAIL: MAYOR@OCFL.NET

May 23, 2023

TO: Commissioner Nicole Wilson, District 1
Commissioner Christine Moore, District 2
Commissioner Mayra Uribe, District 3
Commissioner Maribel Gomez Cordero, District 4
Commissioner Emily Bonilla, District 5
Commissioner Michael "Mike" Scott, District 6

FROM: Mayor Jerry L. Demings 

SUBJECT: Managerial Appointment – Utilities Department, Manager II
CONSENT AGENDA ITEM – June 6, 2023

The purpose of this memo is to request confirmation of the managerial appointment of Mr. Mark Ikeler, P.E., as the manager of the Utilities Water Reclamation Division. This division provides water reclamation services to a population of more than 1,098,000 with a team of more than 135 employees operating four regional water reclamation facilities and multiple water reuse storage and repump facilities.

The Water Reclamation Division also oversees Orange County's environmental compliance programs which ensure compliance with the County's program codes and ordinances. These initiatives include the Industrial Pretreatment Program; the Oil & Grease Prevention Program; the Environmental Surcharge Program; the Hauled Wastewater Program; and the Smoke Testing Compliance Program. Each area is varied in scope and regulated through the Environmental Protection Agency, the Florida Department of Environmental Protection, or the St. Johns River or South Florida Water Management Districts to ensure public health and safety for the community. In addition, the Water Reclamation Manager is the liaison for Water Conserv II and Orange County National Golf course.

Mr. Ikeler has been with Utilities for more than 20 years, serving in progressively responsible roles as an Engineer III, Project Manager, and Chief Engineer. He has 25 years of professional engineering, management, and leadership experience in the Engineering Division and private sector in process design, cost estimating, engineering, hydraulic modeling, and construction.

Mr. Ikeler holds a bachelor's degree in civil engineering from Clemson University and a master's degree in environmental sciences from the University of Florida. He is a state of Florida licensed Professional Engineer. He also has professional affiliations with the Florida Water Environment Association and Water Environment Federation.

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Subject: Managerial Confirmation Appointment of Mark Ikeler, Utilities Department

Mr. Ikeler's appointment will be effective the first full pay period after Board approval at an annual salary of \$145,454.40.

ACTION REQUESTED: Confirmation of the Mayor's managerial appointment of Mark Ikeler, P.E, as Manager II, Water Reclamation Division, Utilities Department.

Attachment: Resume

cc: Byron W. Brooks, AICP, County Administrator
Jon V. Weiss, P.E., Deputy County Administrator
Ed Torres, P.E., Director, Utilities Department
Dr. Yvette M. Best, EdD, CCP, SPHR/SHRM-SCP, Human Resources Director

Mark C. Ikeler

Contact

Location

Orlando, FL, 32825

Phone

(407) 254-9705

E-mail

MarkC.Ikeler@ocfl.net

Licensure

Florida Professional Engineer

License number 56948

Skills

Large Project Management

Budgeting and Scheduling

Technology Implementation

Contracts and Agreements

Cost Estimating

Hydraulic Modeling

SUMMARY OF WORK EXPERIENCE: Provide leadership, problem solving and project planning for a team of six people. Wastewater experience includes the planning and design of water reclamation facilities (including headworks, biological nutrient removal basins, clarifiers, filtration, chlorination, biosolids), gravity collection systems, transmission systems and odor control systems. For reclaimed water, experience includes the planning and design of effluent pump stations, booster pump stations, reclaimed water hydraulic analyses, pipeline design and effluent storage facilities. Potable water experience includes the planning and design of raw water wells and piping, lime softening and membrane water treatment plants, transfer and high service pumping, various chemical feed systems, degasification, storage facilities, disinfection analyses, as well as transmission system hydraulic analysis. Supervisory experience includes managing engineers and a technician.

Work History

07/15 -

Current

Chief Engineer

Orange County Utilities Engineering

- Oversee project managers who handle projects involving treatment plants, storage and repump facilities, master pump stations and large diameter pipelines
- Establish annual Capital Improvement Program (CIP) budget of approximately \$120M and pursue grant funding for projects
- Management of wastewater/reclaimed water CIP program and coordination with Water Reclamation Division
- Lead contact between City of Orlando and Orange County for the jointly owned Water Conserv II facilities
- Assist with managing and developing annual Water Conserv II CIP and Operating budgets
- Task leader for Utilities Water and Wastewater Program Management Contract
- Task leader for five (5) Utilities Continuing Engineering Contracts for approximately \$15M worth of engineering work annually
- Task leader for three (3) Utilities Geotechnical Continuing Engineering contracts
- Coordinate agreements with other local governmental and private entities

Major Projects

HWRP New 5 MGD Facility

SWRF New 216 MGD Influent
Pump Station

SWRF 43 to 56 MGD
Upgrade

Conserv II 90 MGD
Reclaimed Water Booster
Pump Station

EWRF 19 to 24 MGD
Upgrade

NWRF 7.5 to 11.25 MGD
Upgrade

Publications

Getting the Most Out of Your
Existing Infrastructure (ASCE
2022)

NWRF Phase III
Improvements Project
(FWRC 2016)

- Track plant permit renewals to ensure compliance
- Develop Senior Staff briefing documents as needed
- Coordinate with Orange County Real Estate Management on easements and surplus property
- Coordinate with Orange County Legal and Risk on various agreements and other issues as needed
- Coordinate with Orange County Procurement to bid projects and issue request for proposals (RFPs)
- Coordinate with Orange County Building Department for permitting
- Coordinate with Orange County Public Works on various projects
- Assist Development Engineering on new infrastructure needs
- Review and provide input for Wastewater Facilities Plans
- Implementation team member for new CIP software

11/06 -
07/15

Project Manager

Orange County Utilities Engineering

- Managed all activities associated with construction projects including RFPs, preliminary design, final design, bidding and construction administration
- Project Manager for HWRP new 5.0 MGD facility, EWRF upgrade from 19 MGD to 24 MGD and NWRF upgrade from 7.5 MGD to 10.3 MGD
- Conducted public meetings with impacted customers of projects
- Worked with various agencies to obtain and comply with grant funding of projects
- Assisted in preparation of permit applications and required reports for plant permit renewals
- Supported operational personnel with smaller in-house design projects
- Reviewed studies and reports from various consulting engineers
- Coordinated with other area utilities to provide service to customers
- Updated and maintained CIP Database and participated in budgeting
- Negotiated scopes and change orders with engineering consultants
- Reviewed and provided input for Biosolids Master Plan

11/02 -
11/06

Engineer III

Orange County Utilities Engineering

- Provided hydraulic grade line requests to customers using GIS and hydraulic modeling software
- Reviewed hydraulic calculations associated with developer master plans
- Produced capacity analysis reports for Florida Department of Environmental Protection (FDEP) water permitting
- Participated in population and flow projections with outside consultants
- Developed Access based computer program to work with model software to simulate full pipe flow
- Developed Excel hyperlink-based tracking system to link with HGL Word letters sent to developers
- Coordinated with CIP group on future pipe sizing

01/98 -
10/02

Project Engineer

Hartman and Associates, Tetra Tech

- City of Sanibel, Florida – Upgraded the Donax WRF from 1.6 MGD to 2.375 MGD
- City of Sanibel, Florida – Constructed a new effluent high service pump station with a hydropneumatic tank and controls
- City of Sanibel, Florida – Development of a wastewater master plan
- City of Port St. Lucie, Florida – Designed the Reverse Osmosis facilities at two water treatment plants
- City of Naples, Florida – Updated master plan for water and reclaimed water facilities
- Hydraulic modeling for several different utility systems
- Billing data analysis and rate study assistance

Education

12/97

M.E: Environmental Engineering Sciences

University of Florida - Gainesville, FL

12/95

B.S: Civil Engineering

Clemson University - Clemson, SC