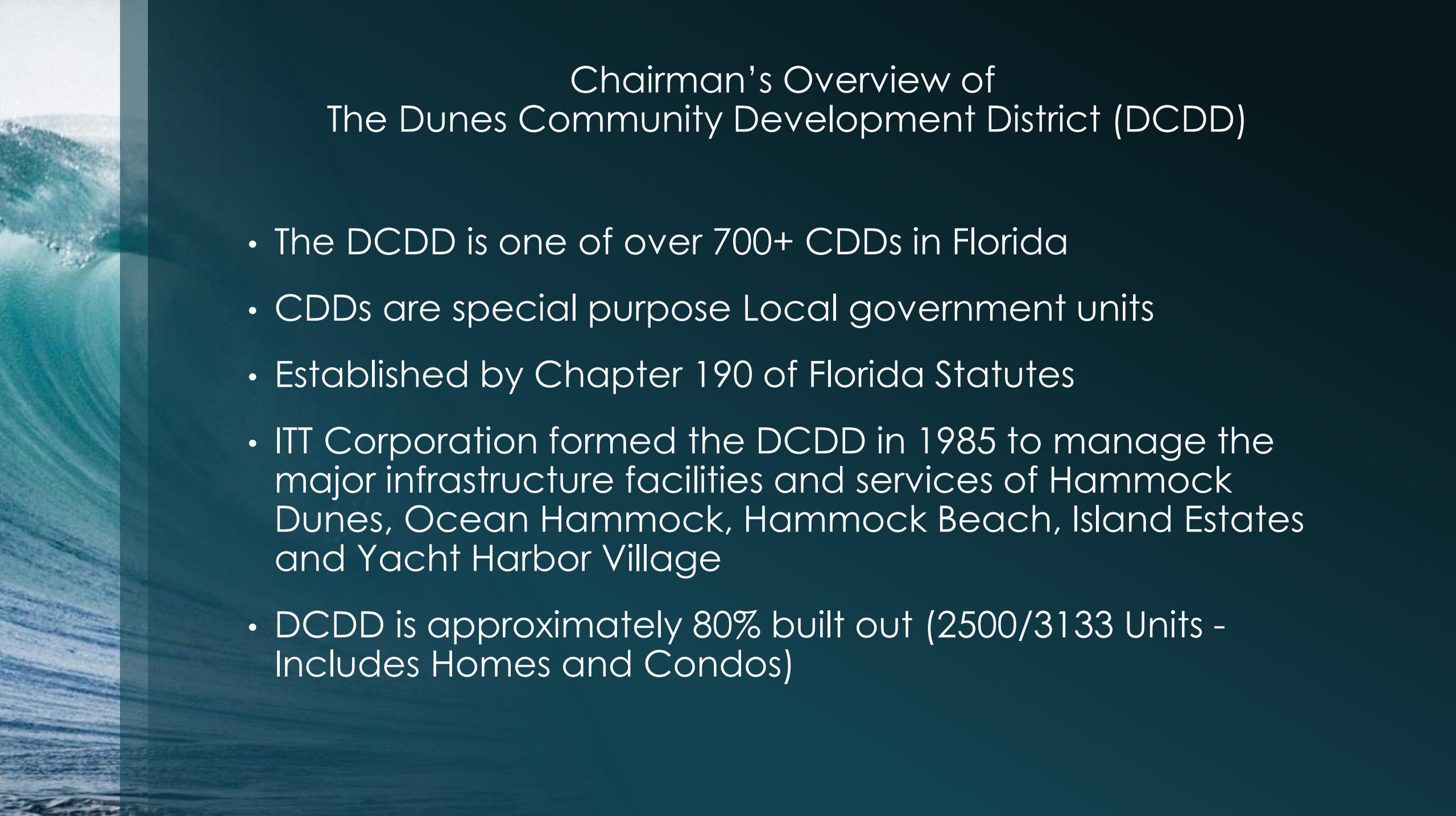




THE DUNES COMMUNITY DEVELOPMENT DISTRICT (DCDD)

- OVERVIEW
By George DeGovanni
DCDD Board Chairman
- OPERATIONS & MAINTENANCE
By Greg Peugh
DCDD District Manager

The background of the slide features a vertical strip on the left side showing a close-up of ocean waves with white foam, transitioning into a dark teal gradient that covers the rest of the slide.

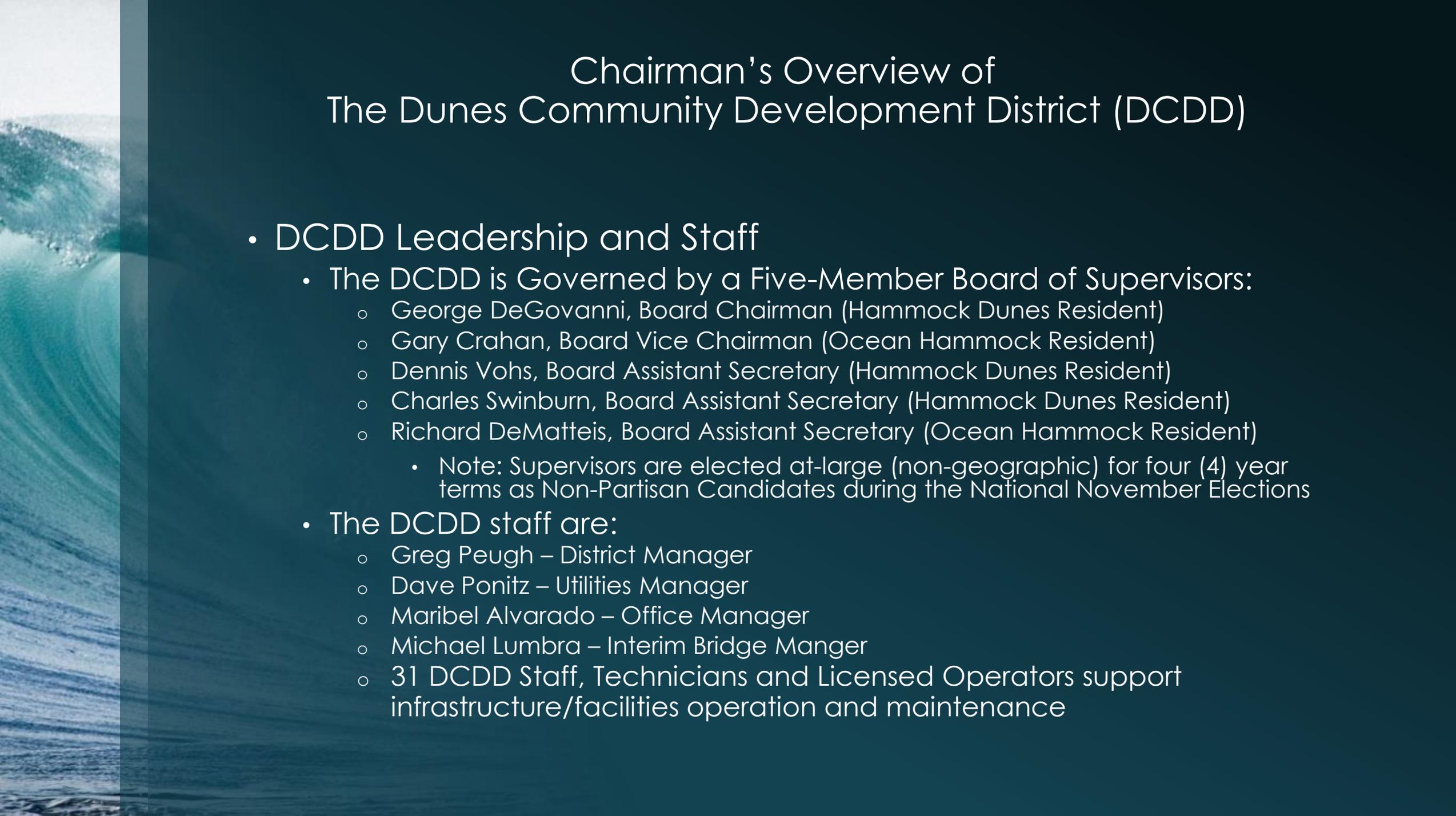
Chairman's Overview of The Dunes Community Development District (DCDD)

- The DCDD is one of over 700+ CDDs in Florida
- CDDs are special purpose Local government units
- Established by Chapter 190 of Florida Statutes
- ITT Corporation formed the DCDD in 1985 to manage the major infrastructure facilities and services of Hammock Dunes, Ocean Hammock, Hammock Beach, Island Estates and Yacht Harbor Village
- DCDD is approximately 80% built out (2500/3133 Units - Includes Homes and Condos)



Chairman's Overview of The Dunes Community Development District (DCDD)

- DCDD Major Infrastructure Facilities are:
 - Transportation Facilities
 - Hammock Dunes Toll Bridge
 - Hammock Dunes Parkway
 - Camino Del Mar A1A Connector Road
 - Utility Facilities
 - Potable Water Plant with three (3) Deep Supply Wells
 - Wastewater Collection System and Wastewater Plant
 - Reuse Treatment and Distribution System
 - Stormwater Facilities
 - Stormwater Lakes, as well as the Collection and Conveyance System



Chairman's Overview of The Dunes Community Development District (DCDD)

- DCDD Leadership and Staff
 - The DCDD is Governed by a Five-Member Board of Supervisors:
 - George DeGovanni, Board Chairman (Hammock Dunes Resident)
 - Gary Crahan, Board Vice Chairman (Ocean Hammock Resident)
 - Dennis Vohs, Board Assistant Secretary (Hammock Dunes Resident)
 - Charles Swinburn, Board Assistant Secretary (Hammock Dunes Resident)
 - Richard DeMatteis, Board Assistant Secretary (Ocean Hammock Resident)
 - Note: Supervisors are elected at-large (non-geographic) for four (4) year terms as Non-Partisan Candidates during the National November Elections
 - The DCDD staff are:
 - Greg Peugh – District Manager
 - Dave Ponitz – Utilities Manager
 - Maribel Alvarado – Office Manager
 - Michael Lumbra – Interim Bridge Manger
 - 31 DCDD Staff, Technicians and Licensed Operators support infrastructure/facilities operation and maintenance



DCDD FUNCTIONS – WHAT DOES THE DCDD DO?

By Greg Peugh
DCDD District Manager

DCDD HAS THREE MAJOR FUNCTIONS

- Operate and Maintain a Utility System that serves approximately 5,000 people
- Operate and Maintain the Transportation Infrastructure which includes the Toll Bridge, Hammock Dunes Parkway and the Camino Del Mar Connector Road
- Operate and Maintain the Stormwater System



DCDD FINANCIAL HEALTH AND ASSET INVESTMENTS

- DCDD is debt free with Transportation and Enterprise Funds \$ reserves to ensure routine inspections, maintenance and emergency repairs
- Our 34 Year Toll Bridge is in excellent condition and inspected every 2 years per FDOT requirement
- Current \$1.8M Bridge and Toll Facility projects ensures Bridge future longevity and efficient Toll operations and security
- Invested \$8.7M upgrading the Water, Wastewater and Reclaimed Water Infrastructure in the last 5 years to add capacity and improve our emergency readiness
- Created a Stormwater Enterprise Fund to maintain aging System



What are the Major Components of the Utility System?

- Potable Water (Drinking Water)
- Wastewater
- Reclaimed Water (Irrigation)
- Utility Employs 15 Full Time Employees (10 Field/5 Office)



Reclaimed Tertiary Filter

DCDD UTILITY FACILITIES – Potable Wells

- Three brackish supply wells that deliver 885,000 gpd each
- Combined pumping capacity of 2,657,000 gpd
- Over 300' deep



Brackish Well

DCDD UTILITY FACILITIES – Water Plant

- Reverse Osmosis Water Plant Built in 2007
- Water Plant has a capacity of 1,440,000 gpd
- Currently Average 483,000 gpd (34%)



Reverse Osmosis Membranes

DCDD UTILITY FACILITIES – Water Plant



Water Treatment Plant

DCDD UTILITY FACILITIES – Water Distribution

- 150,000 linear feet of various sized pipes ranging from 2 to 16-inches in diameter
- 253 Hydrants



Fire Hydrant



Water Distribution Pumps

DCDD UTILITY FACILITIES – Wastewater Collection

- 114,000 linear feet of gravity sewer with pipes ranging from 8 to 12-inches in diameter
- 617 Manholes
- 47,000 linear feet of force mains ranging from 3 to 12 inches in diameter



Typical Manhole Cover

DCDD UTILITY FACILITIES – Pump Stations

- 23 Pump Stations
- 7 Have Diesel Backup Pumps
- Recently rehabbed 2



Pump Stations

DCDD UTILITY FACILITIES – Wastewater Treatment Plant

- Sequencing Batch Reactor (SBR) Wastewater Treatment Plant
- Wastewater Treatment Plant has a capacity of 920,000 gpd
- Currently Average 416,000 gpd (45%)



DCDD UTILITY FACILITIES – Reclaimed Water Production

- Produce Reclaimed to Irrigate Residential Yards, Ocean Hammock & HD Golf Courses
- Distribute more Reclaimed Water than we produce from our WWTP (1,982,000 vs 483,000)
- Supplement the Reclaimed Water by buying Reclaimed Water from Palm Coast (1.49 MGD)

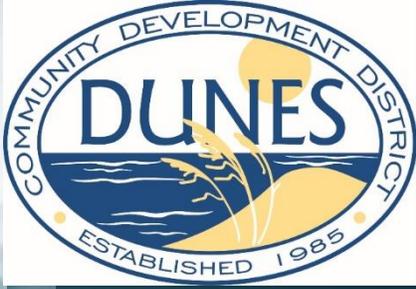


Reclaimed Pump Station and 18 Million Gallons of Reclaimed Ponds

DCDD UTILITY FACILITIES – Reclaimed Water Distribution

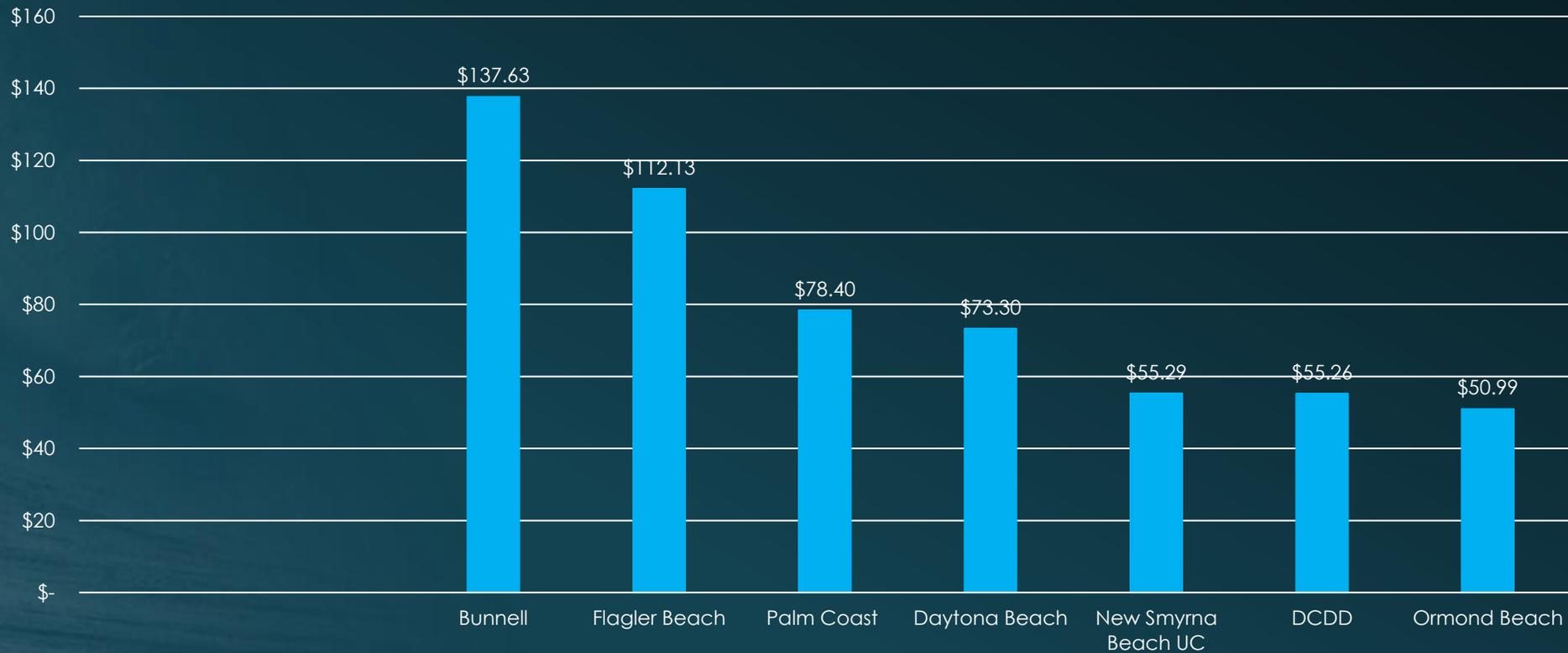
- Operate and Maintain the Reclaimed Water Distribution System
- 125,000 linear feet of pipe ranging in size from 2 to 16 inches in diameter
- DCDD can produce approximately 3,200,000 gpd of Reclaimed Water





DCDD WATER AND WASTEWATER RATES

MONTHLY RESIDENTIAL WATER AND WASTEWATER BILL COMPARISON AT 4,000 GALLONS



DCDD TRANSPORTATION FACILITIES – Toll Bridge

- Own and Maintain the Toll Bridge
 - As residents of the DCDD - you own the Toll Bridge
 - Toll Bridge opened 1988
 - Collect Tolls 24/7
 - Employ 8 FT/ 13 PT



DCDD TRANSPORTATION FACILITIES – Toll Bridge

- Tolls are used for Bridge and Roadway Maintenance
- Every 2 Years the Toll Bridge is Inspected (Required by FDOT)
- Identified over \$30M in improvements for the Bridge and Roadways in the next 50 years



DCDD TRANSPORTATION FACILITIES – Parkways

- No Tax Money is collected to maintain the bridge and parkways, only Tolls
- Maintain the sidewalks
- Maintain the streetlights



DCDD TRANSPORTATION FACILITIES – Parkways

- Maintain the Tree Canopy



DCDD STORMWATER FACILITIES – Lake System

- Operate and maintain the Collection and Discharge System to minimize flooding
- 179 acres of created lakes
- Over 19 miles of pipes
- Over 2,500 structures (catch basins, inlets, outfalls and water control features)



DCDD STORMWATER FACILITIES – Lake System

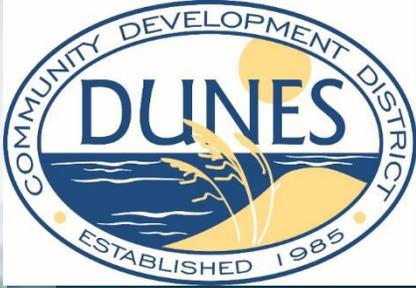
- Spray the Lakes for nuisance aquatic weeds





What has the DCDD done for you lately?

- ✓ Upgraded the Wastewater Treatment Plant from 500,000 gpd to 710,000 gpd in 2019 for \$6.4M
- ✓ Pencil Rerated the WWTP in 2021 from 710,000 gpd to 920,000 gpd for \$40,000
- ✓ Replaced the oldest Reverse Osmosis Membranes in the Water Plant in 2021
- ✓ 2022 Bridge Repairs for \$824,000 including Cathodic Protection of the Piers
- ✓ Installed Credit Card Machines in the Toll Booths as an alternative to cash
- ✓ Installed 7 diesel powered backup pumps in the wastewater collection system for emergency preparedness/storm hardening
- ✓ Implemented a Stormwater Utility
- ✓ Implemented a GIS system with the Stormwater utility



DCDD Continuing Efforts

- Pump Station Upgrades
- Diesel powered backup pumps – 2 remaining
- Upgrading the toll facility
- Automated Meter Reading of the water and reuse meters



Proposed Projects

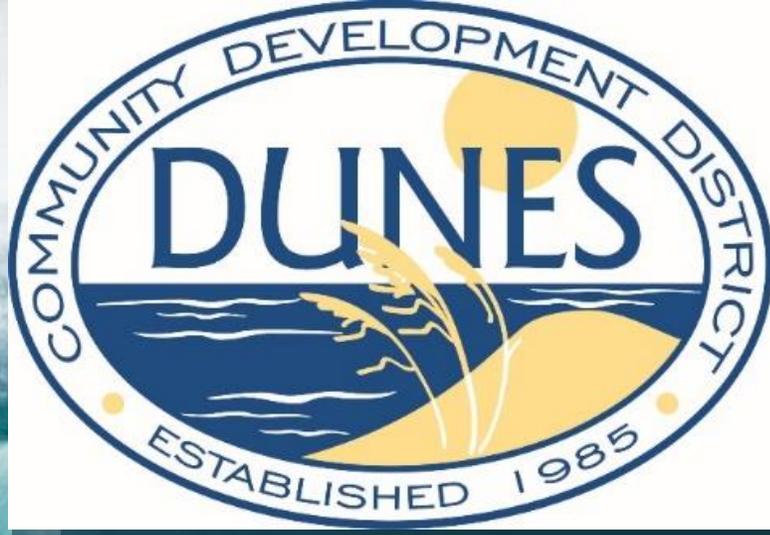
- Clean and Video Stormwater Conveyance System
- Clean and Video Wastewater Collection System
- Resurface Hammock Dunes Parkway and Camino Del Mar from 4-way stop to A1A (Fall of 2022)
- Reviewing Options for Traffic Flow Improvements to the 4-Way Stop
(Please Use Your turn signals)
- Reviewing Options for the Tolling Improvements such as SunPass Integration
- Increasing Reclaimed Water Flow from Palm Coast



What we do not do!

- Maintain Resident's Irrigation Systems
- Maintain Common Area Irrigation Systems
- Remove Nuisance or Trapped Animals (i.e., Alligators)
- Enforce Building Code Violations





QUESTIONS?

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