Coal Ash Services (CAS) is a joint venture between Infrastructure Alternatives (IAI) and J.F. Brennan Company (Brennan) that combines world-class dredging, dewatering, and water treatment services under one name. It is our goal to provide turnkey solutions to address the unique challenges our utility clients face in managing their coal ash ponds while transitioning to an active dewatering process. Working together, Brennan and IAI have dredged, dewatered, and managed disposal of over 1.3 million cubic yards of contaminated sediment, as well as treated over 1 billion gallons of water.

J.F. Brennan Company is an environmental remediation and marine construction company that focuses on providing quality services along the inland waters of the United States. We are dedicated to the preservation and rehabilitation of environmentally sensitive ecosystems with the use of specialized equipment by experienced team members.

Infrastructure Alternatives provides sediment dewatering and water treatment services for environmental remediation projects throughout the United States. We bring decades of operations and maintenance experience, and the highest water treatment qualifications, to each of our projects, developing flexible approaches to meet the unique needs of each client.
Coal Ash Services (CAS) is a full service contractor that provides turnkey solutions to address the unique challenges our utility clients face in managing their coal ash ponds. We self-perform the vast majority of our work which includes customized services that specifically address each individual challenge, safely and efficiently.

**IMPOUNDMENT MANAGEMENT**
CCR regulation-compliant ash impoundment management services to facilities that are transitioning from active ash ponds to a direct dewatering system. Our on-staff PEs and certified water treatment operators guide operations to ensure regulatory compliance.
- Impoundment clean-outs that avoid disruption to plant operations
- Direct discharge into dewatering process
- Existing CCR landfill disposal and real-time water management
- Maintenance and repair to critical pond infrastructure

**DREDGING**
Surgical dredging techniques with state-of-the-art technologies will maximize removal of coal ash, while at the same time protect the integrity of the impoundment structure.
- Hydraulic, Mechanical, and Amphibious Dredging
- Transport and Load-out

**DEWATERING**
No two projects are identical, which requires a flexible approach to deliver cost effective dewatering services. Our experience and flexibility is unmatched in the environmental dredging industry.
- Geotextile Tubes
- Total Clean®
- Belt Presses

**DISPOSAL**
Once effectively dewatered, CAS can manage the disposal of the ash to any designated area.
- In-Landfill Dewatering
- Off Site Disposal

**WATER TREATMENT**
Design, installation and operation of systems to address temporary needs, or provide operational assistance and troubleshooting for your facility’s existing wastewater treatment system. Our certified operators have experience with biological, physical and chemical treatment processes for TSS, metals and chemicals removal.

**CONSTRUCTION, MAINTENANCE AND REPAIRS**
Repair and maintenance on impoundment structures such as levees, gated structures, concrete structures, sheet pile walls, and more.
- Intakes and Outlets
- Gated Structures
- Levees
- Liners
- Scour and Erosion Remediation
- Pile Driving

**Q.** Are you transitioning your ash impoundment to an overfill facility or alternate ash handling process?
**A.** CAS can accept plant ash slurry discharge directly into a dewatering process, providing ash dewatering and storage, during the transition period. We can also dredge directly into geotextile tubes staged in your existing CCR landfill.

**Q.** Is your ash impoundment full to capacity?
**A.** We can clean impoundments to ensure compliance with run-on/run-off controls and hydraulic capacity requirements, providing dredging, dewatering and disposal services via a single, experienced contractor. We will dredge your ash pond while it remains in active service, with little disruption to plant operations.

**Q.** Do you have a CCP landfill on site, or nearby?
**A.** CAS can dredge or pump coal ash slurry directly into geotextile tubes placed in a CCP landfill (up to distances of ten miles) eliminating the need for hauling and trans-loading dewatered material.

**Q.** Do you need to dewater and temporarily store dewatered coal ash while you transition to another process or upgrade existing facilities?
**A.** Geotextile tubes can also be used for temporary ash storage. CAS can design and construct a temporary lined dewatering pad for staging and filling geotextile tubes. The dewatered tubes can later be removed for final disposal of the ash material at the owner’s convenience.

**Q.** Do you need to quickly dewater and remove wet ash from your site?
**A.** CAS can utilize a mechanical dewatering process such as Total Clean® or belt filter presses to dewater coal ash for immediate hauling and disposal off-site.