



# Build the Future Through Infrastructure Modernization:

## A Power Utility's Journey of Disciplinary Transformation



A large regulated electric utility initiated a database modernization program to migrate its entire Oracle database estate from aging legacy platforms to Oracle Exadata. The initiative aimed to deliver improved performance, scalability, and architectural standardization across mission-critical enterprise systems.

### Customer Challenge

Legacy platforms constrained database performance and scalability as workloads grew. A diverse, multi-version Oracle environment complicated operations and support. Migrating production systems powering billing, grid operations, and regulatory reporting demanded near-zero downtime and data consistency.

### InfoLOB Approach

InfoLOB designed a governed, phased migration program including Data Guard, RMAN Duplicate, and Data Pump per database based on size, criticality, and downtime tolerance, ensuring precision execution within a not-to-exceed delivery model.



## Implementation Highlights

Area	Key Achievements
Migration Planning	Comprehensive profiling of every database including size, workload patterns, dependencies, and downtime sensitivity prior to migration
Phased Execution	Non-production databases prioritized first, followed by Exadata configurations before production cutovers
Selective Migration Methods	Data Guard for zero downtime production systems
Parallel Delivery Model	Multiple resources executing simultaneous migrations without compromising validation rigor
Stabilization	Performance, data integrity, and Exadata tuning achieved successfully before operational handoff

## Business Outcomes

The program delivered a fully modernized, standardized Exadata platform with measurable performance improvements across billing, operations, and reporting workloads. Production cutovers achieved minimal downtime for critical systems. The governed delivery model and consolidated architecture simplified ongoing operations with a future-ready foundation.

## Strategic Value for Leadership

This engagement proves that large-scale database modernization in regulated utilities can be executed without compromising service reliability. The standardized Exadata foundation now positions leadership to pursue future upgrades, advanced analytics, and platform consolidation with confidence and reduced operational risk.

