Company Summary:

A nonprofit public benefit corporation that manages the flow of electricity across high-voltage, long-distance power lines for about 80% of California's grid and a small part of Nevada's grid. The organization operates a competitive wholesale energy market, oversees transmission planning, and ensures grid reliability.

Key Products and Services:

1. Grid Management: manages the flow of electricity across high-voltage, long-distance power lines.

2. Wholesale Energy Market: They operate a competitive wholesale energy market for resources generating one megawatt or more.

3. Transmission Planning: The organization oversees transmission planning to identify grid expansion needs.

4. Western Energy Imbalance Market (WEIM): A real-time wholesale energy trading market for the Western United States.

5. Extended Day-Ahead Market (EDAM): An extension of WEIM that optimizes resource use in the day-ahead timeframe across an expanded footprint.

6. RC West: Reliability Coordinator services for many balancing authorities and transmission operators in the western United States.

7. Resource Adequacy: Programs and requirements to ensure sufficient resources are available to meet reliability needs.

Business Requirements:

1. Open Access: Provide non-discriminatory access to the transmission grid.

2. Market Operation: Maintain and operate competitive energy markets for day-ahead and real-time processes.

3. Reliability: Ensure grid reliability through various programs and services, including resource adequacy requirements.

4. Stakeholder Engagement: Maintain transparent communication and engagement with stakeholders through various initiatives and forums.

5. Regulatory Compliance: Adhere to legal and regulatory requirements, including tariff management and compliance with federal and regional grid standards.

6. Technology Infrastructure: Maintain secure systems and applications for market operations, grid management, and stakeholder interactions.

7. Renewable Integration: Support the integration of renewable energy sources into the grid.

8. Regional Cooperation: Facilitate cooperation and energy trading across the Western United States through initiatives like WEIM and EDAM.

9. Planning and Forecasting: Conduct transmission planning and provide market participants with forecasts and outlooks to support decision-making.

10. Public Information: Provide transparent information about grid status, market operations, and organizational activities to the public and stakeholders.