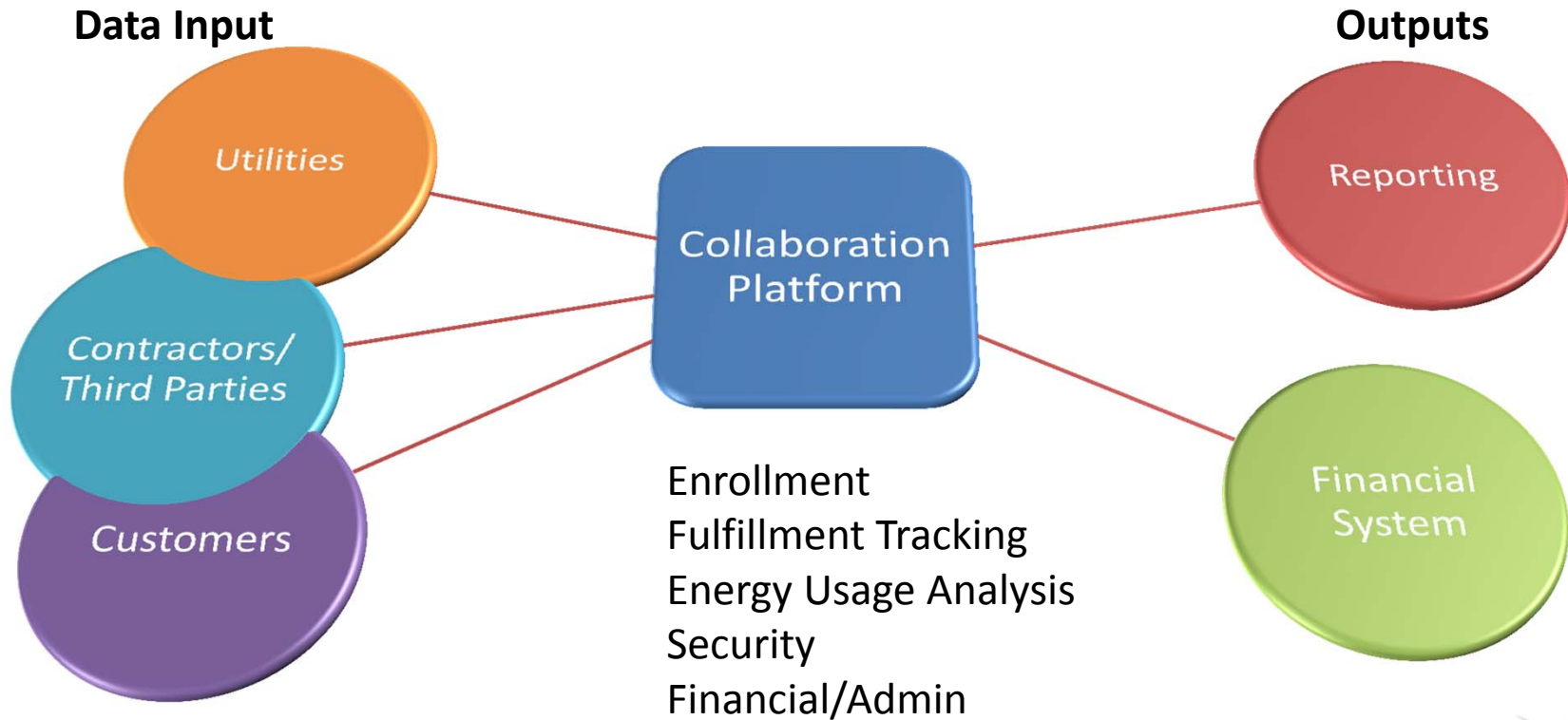


# Energy Data Center: Implementation Considerations



For Utilities

# Unified Tracking of Energy Efficiency Programs



# Our Customers

---

PG&E

SCE

SCG

SDG&E

Efficiency  
Maine

Southern  
Company

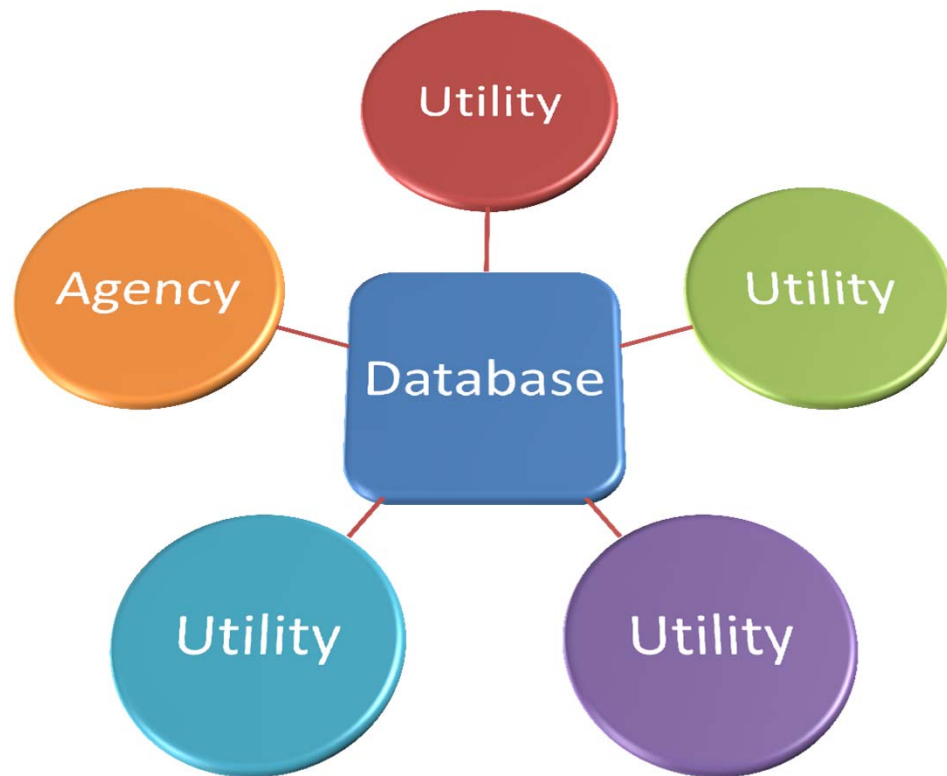
- Alabama
- Georgia
- Gulf
- Mississippi



## Case Study

**Problem:** Duplicating Measures  
**Solution:** Joint Utility Database

---



**A Centralized Enrollment Database** for utilities and agencies to prevent duplication of payment for measures

# Security

---



## Data Sharing Agreements

- Access to shared data is restricted based on joint Data Sharing Agreements
- Each agency can approve / deny access by other agencies.



## Secure Data

- Access to the database is made through secure web service calls
- Data are stored securely in a SQL Server Database
- Access is unidirectional - all requests are initiated by agency-owned systems. The Shared Database does not make outbound connections

# Drivers

---



The Shared Database supports sharing education costs for enrollments in joint territories.



Report leveraged enrollments more accurately (even for historical enrollments)

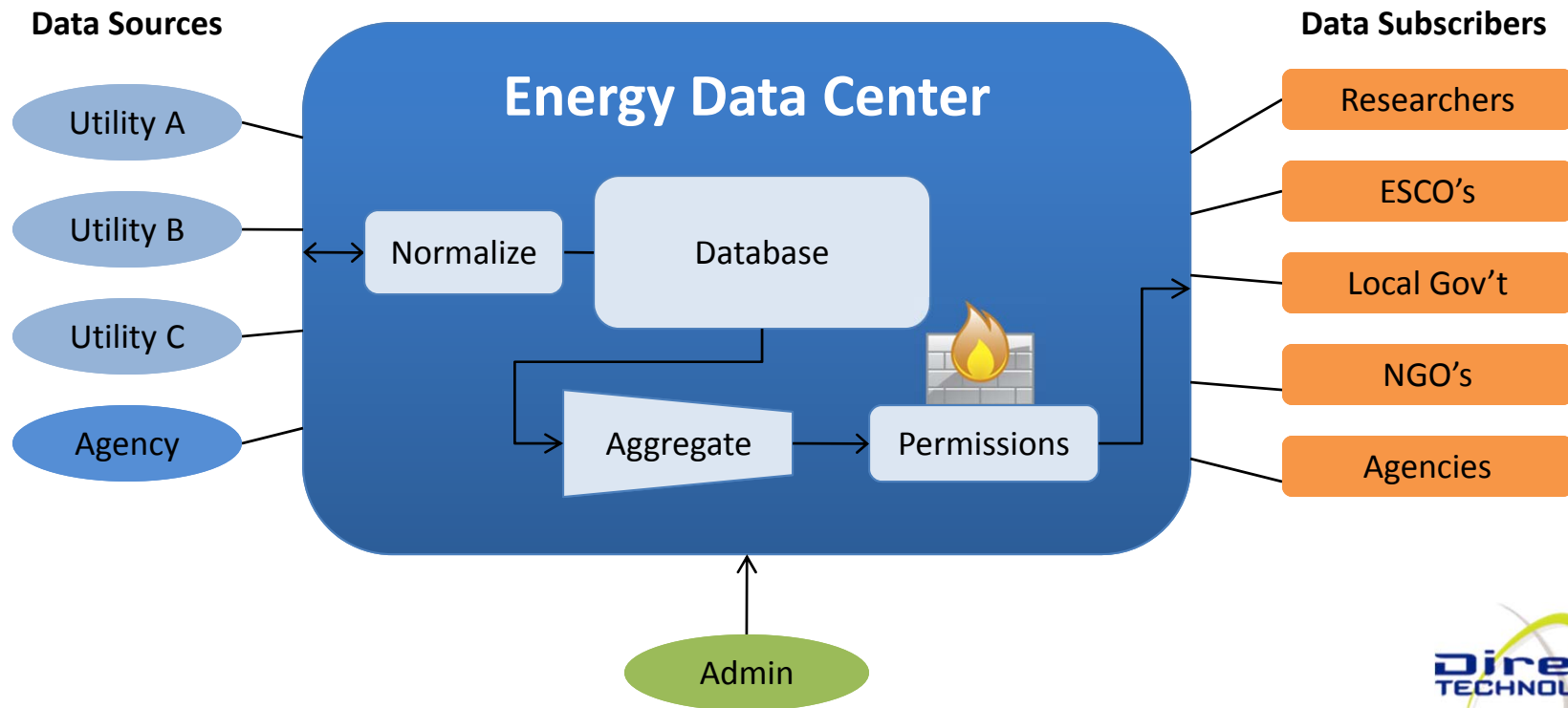


Avoid paying for the measures that have already been paid for by another provider.



Automatically create records in external systems for leveraged enrollments

# What might an Energy Data Center look like?



# Energy Data Center

## Security

- Application: Authentication & Authorization
- Transport: Secure SSL & SFTP
- Physical: Tier 4 Data Center

## Privacy

- Abstraction through standard data filtering and policies
- Review aggregation and anonymization rules periodically
- Permission levels based on user type or entity



# Discussion

Thank you  
James Green

