

# Transmission Services J7000



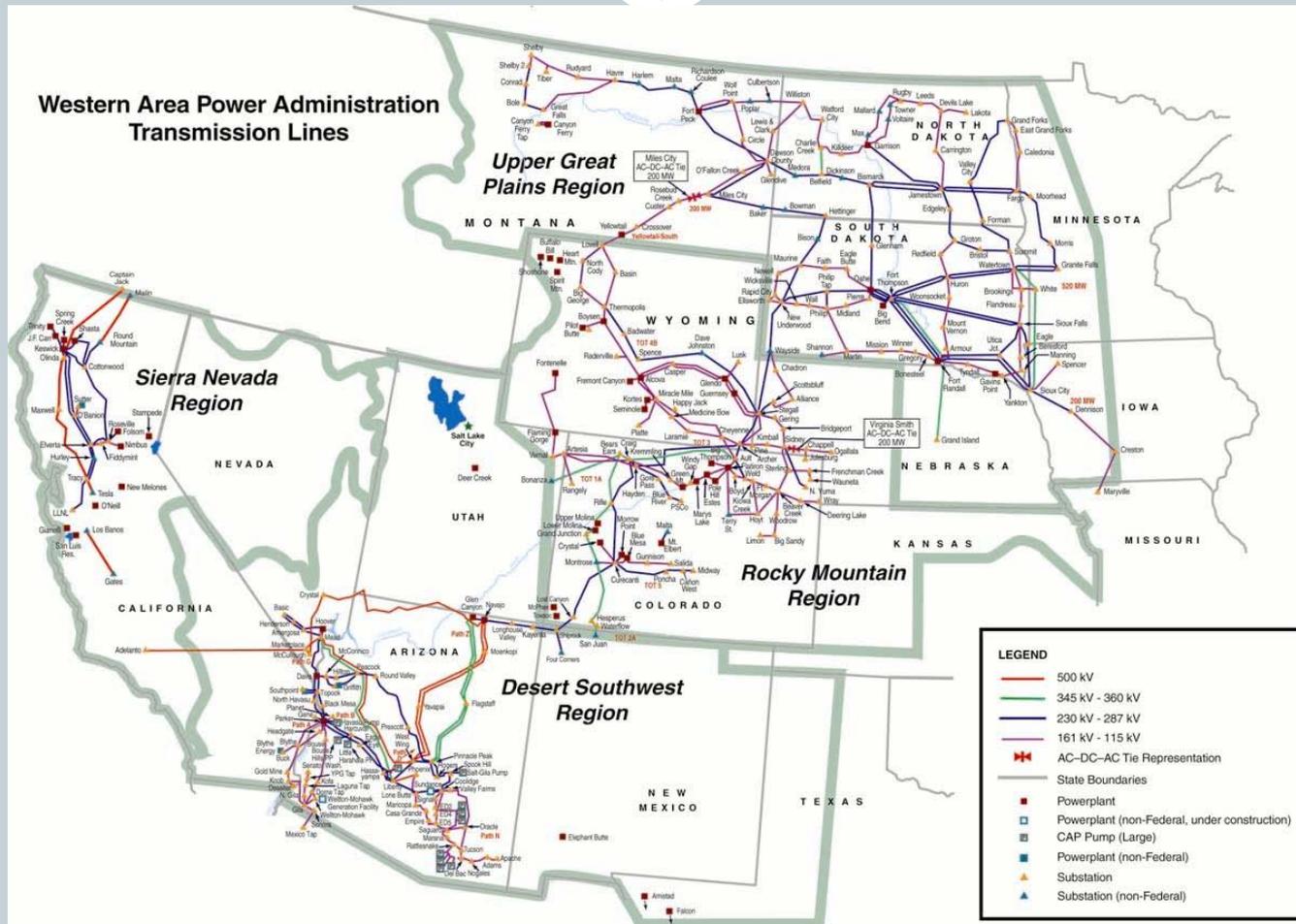
## **UNDERSTANDING WESTERN'S TRANSMISSION SERVICES ORGANIZATION**

**COLORADO RIVER STORAGE PROJECT**

**DESERT SOUTHWEST REGION**

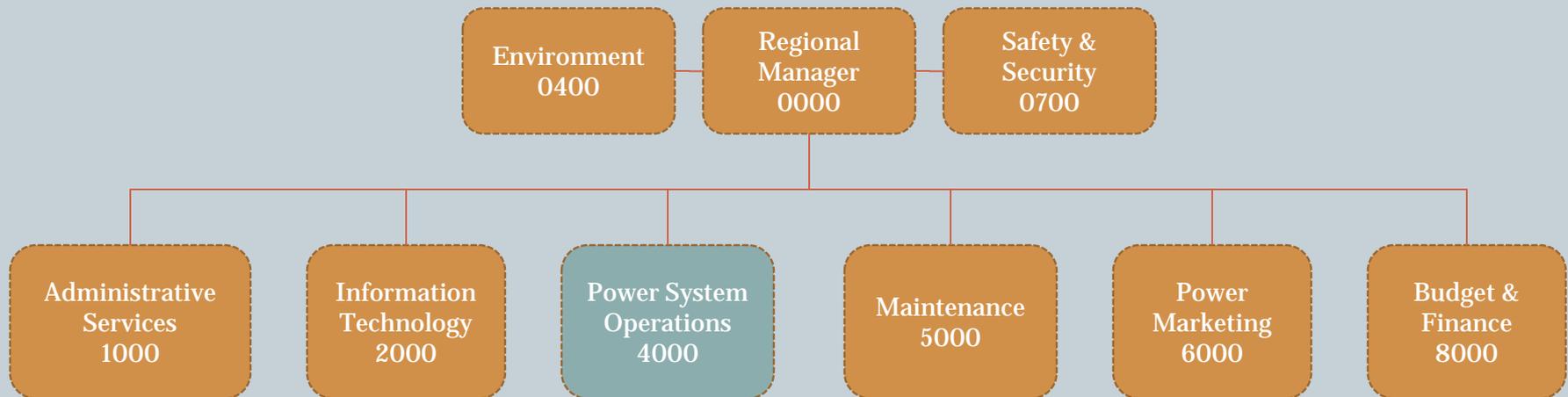
**ROCKY MOUNTAIN REGION**

# Western's Transmission System



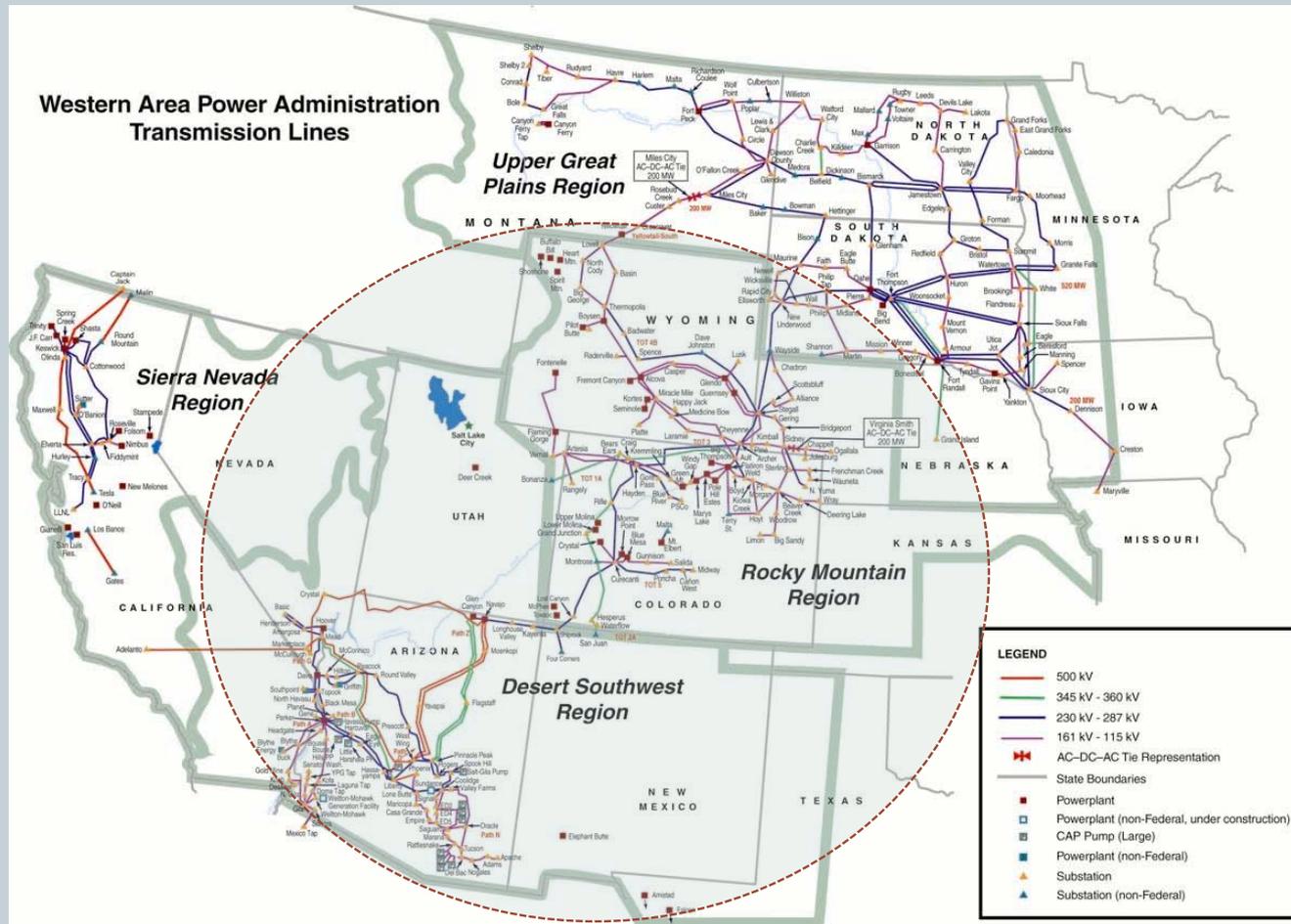
# Regional Organizational Structure

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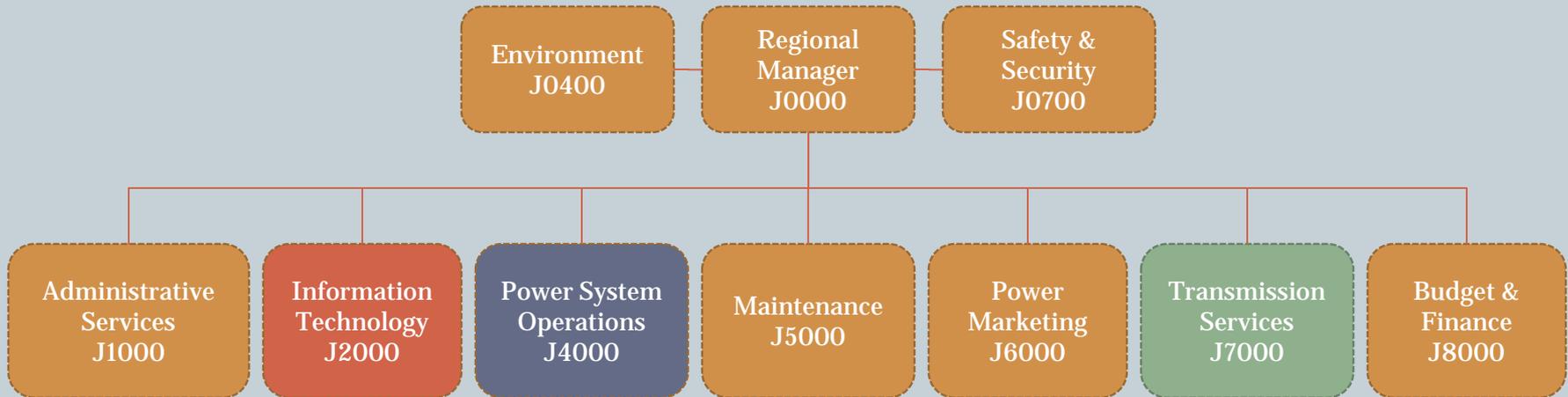
# Operations Consolidation Program

4



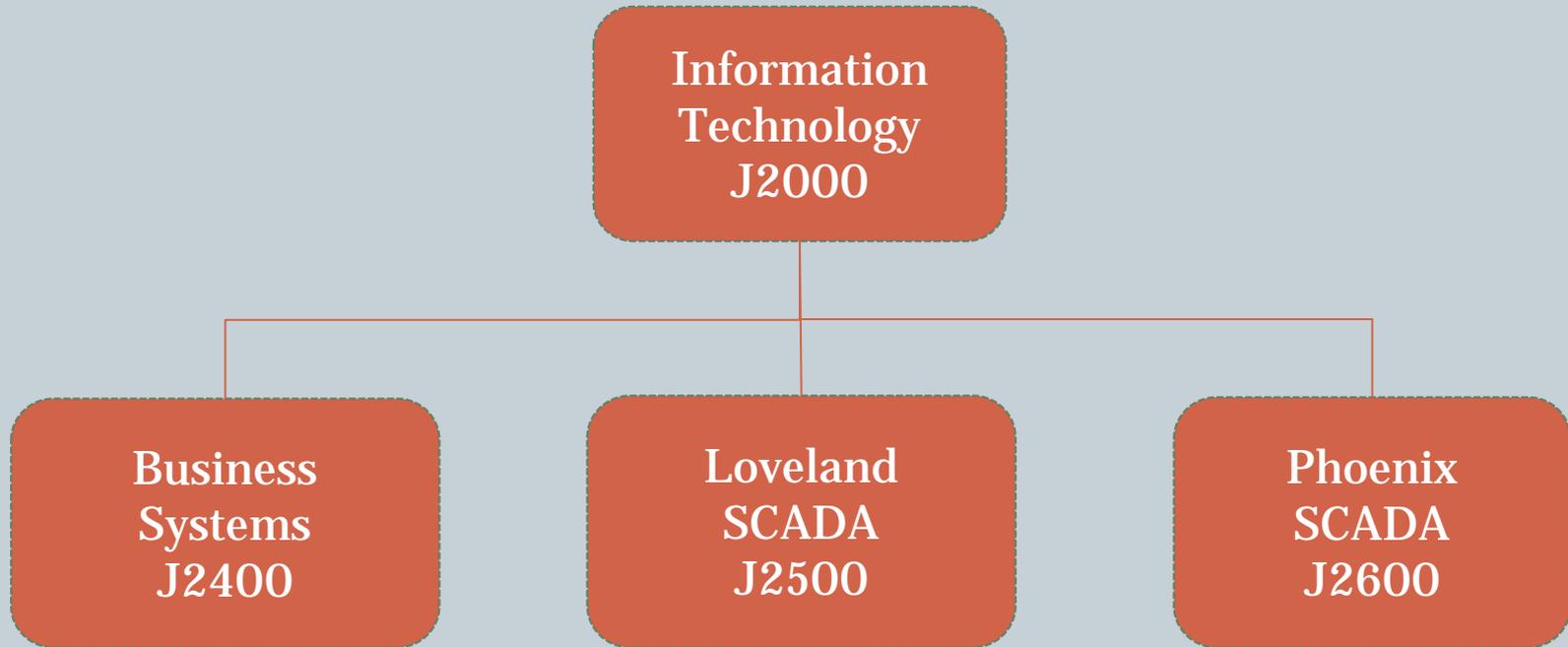
# Rocky Mountain Region

5



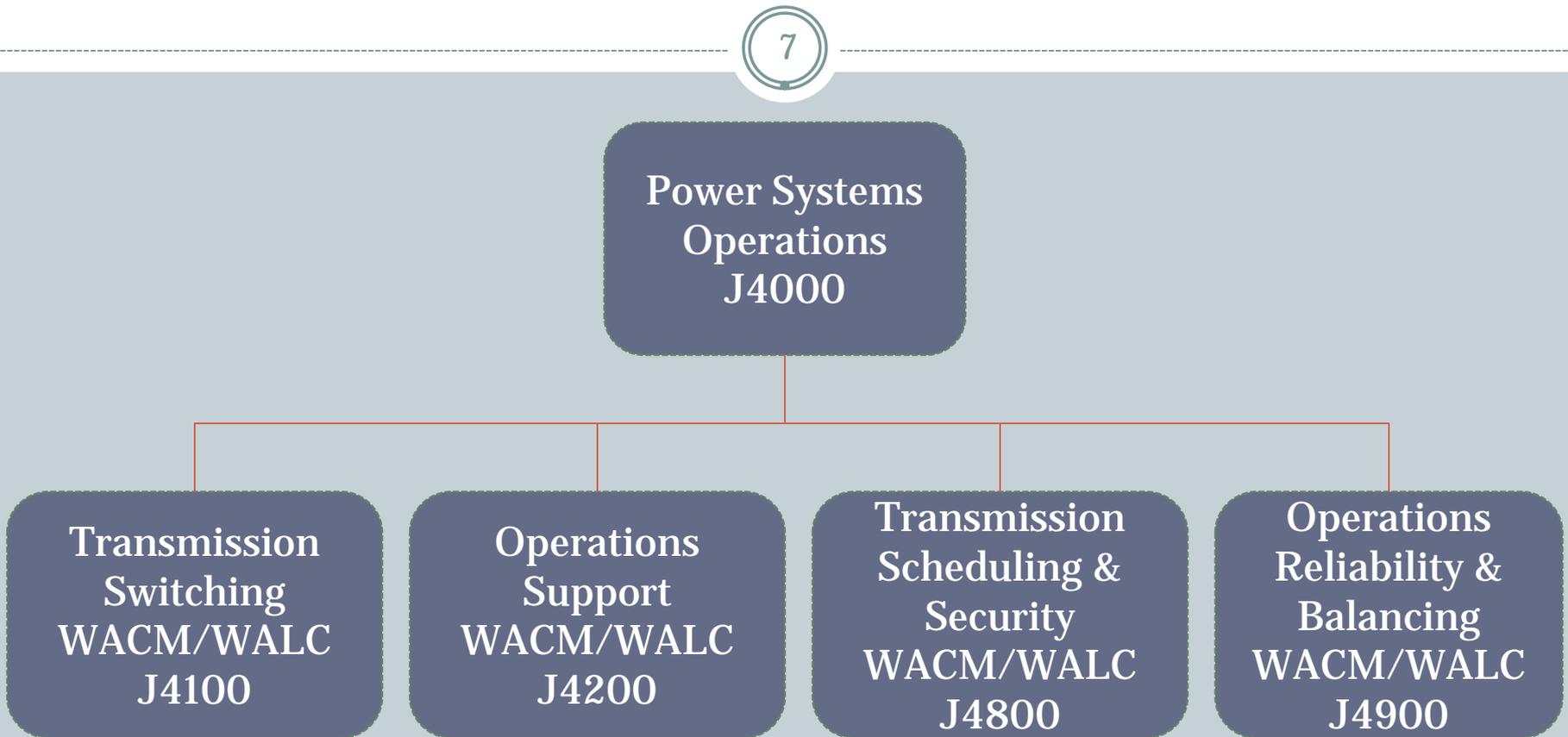
# Information Technology

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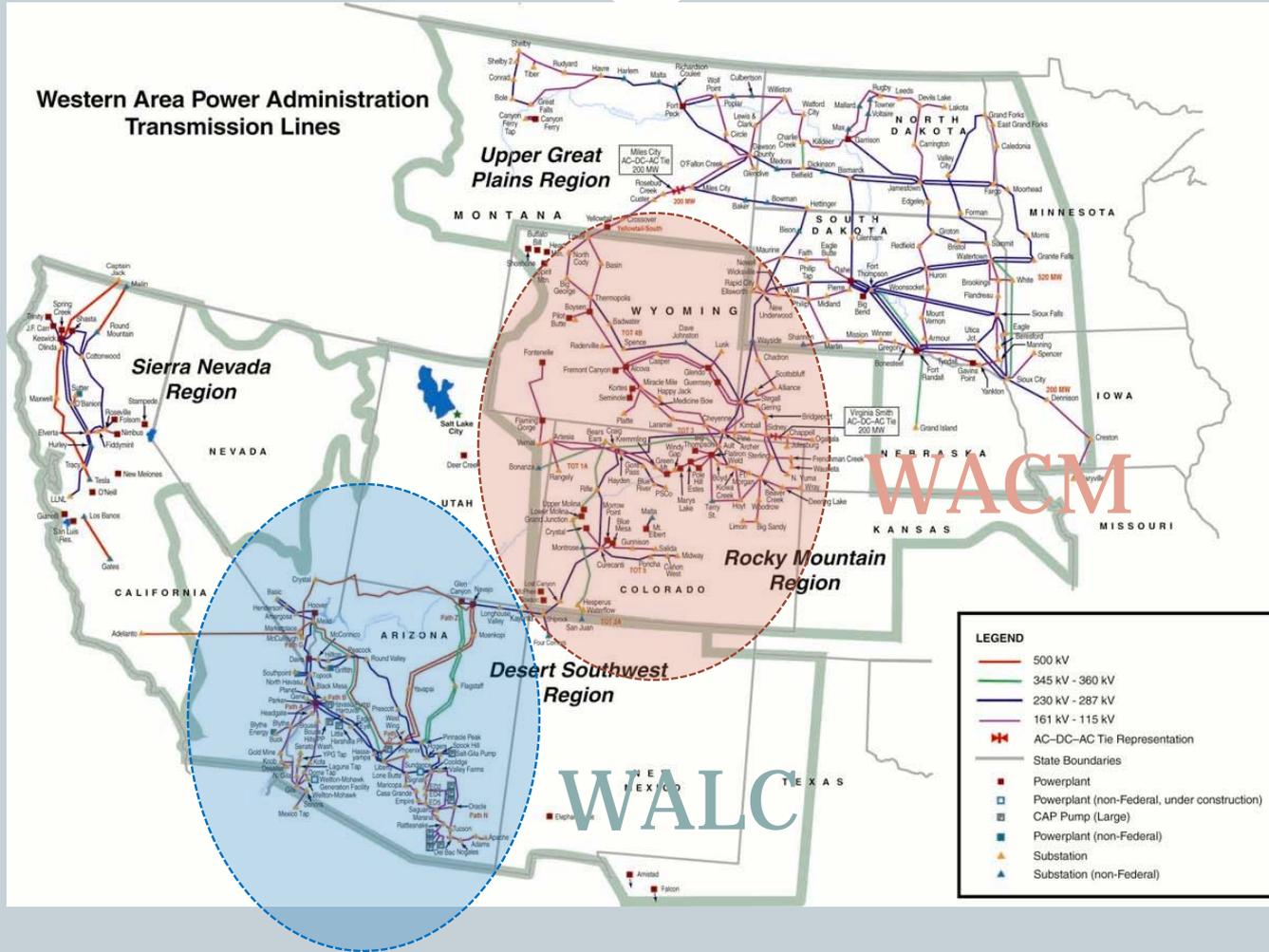


# Power Systems Operations

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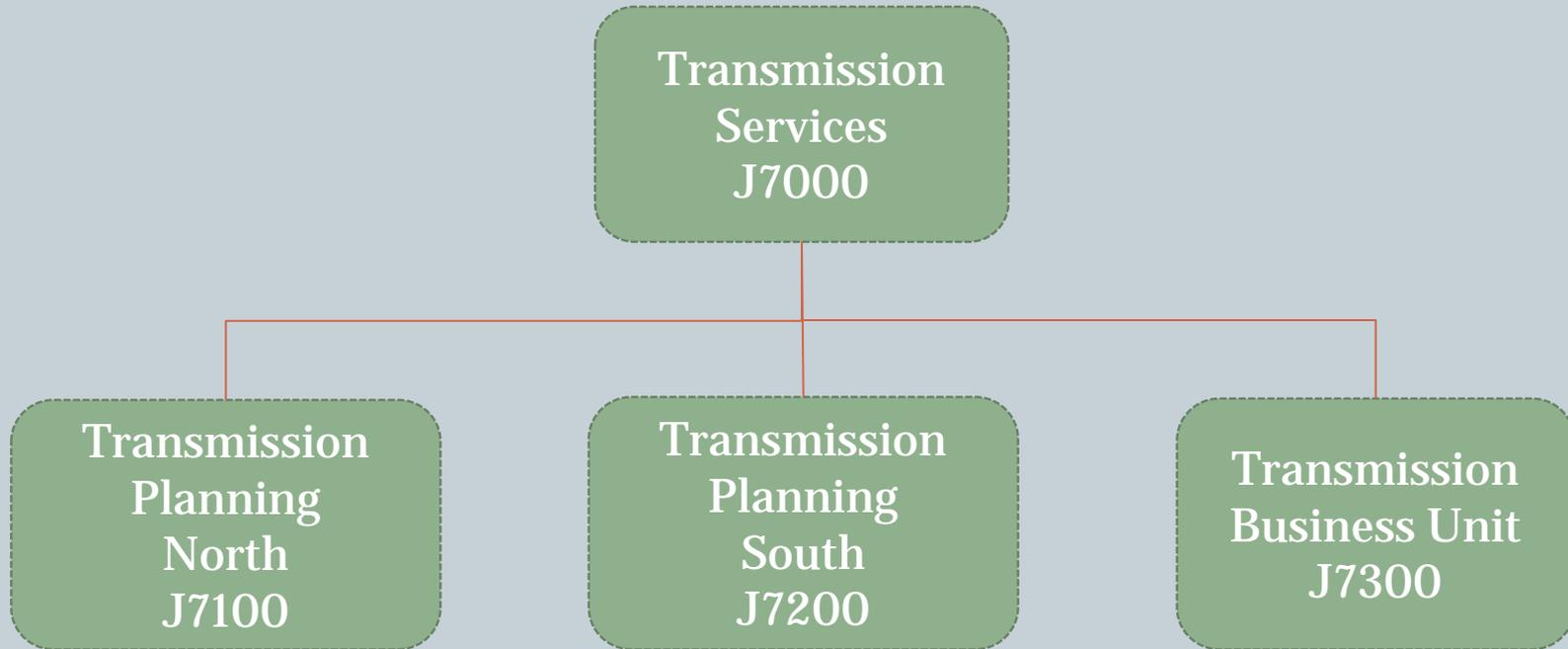


# WACM & WALC Balancing Authorities

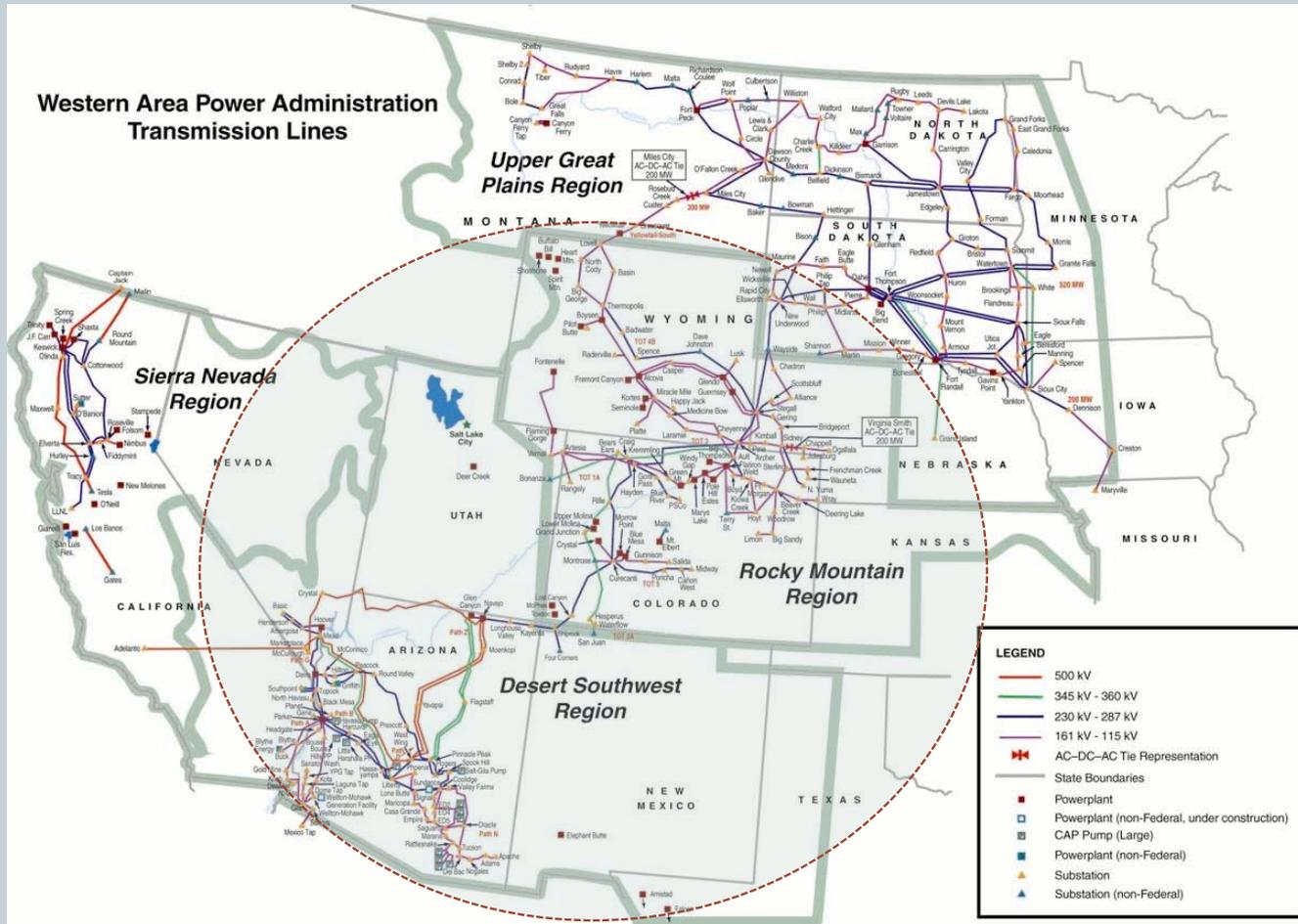


# Transmission Services

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# RMR Transmission Services Footprint



# Transmission Services – J7000

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- **Transmission Planning**
- **Transmission Service**
- **Transmission Interconnection**
- **Transmission Marketing**
- **Budget & Finance**
- **Operations Liaison**
- **Transmission Policy**
- **Strategic Planning**
- **Representation in Key Industry Forums**

# Transmission Planning North – J7100

CRSP - RMR

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- Transmission Studies
  - 10 Year Plan
  - Feasibility Studies
  - System Impact Studies
  - Special Studies
- Regional Planning Forums
  - WECC
    - Planning Coordination Committee
    - Joint Guidance Committee
- Sub-Regional Transmission Forums
  - WestConnect
    - Planning Management Committee
  - CCPG
- Transmission Infrastructure Program Support

# Transmission Planning South – J7200

CRSP - DSW

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- **Transmission Studies**
  - 10 Year Plan
  - Feasibility Studies
  - System Impact Studies
  - Special Studies
- **Regional Planning Forums**
  - WECC
    - Planning Coordination Committee
- **Sub-Regional Transmission Forums**
  - WestConnect
    - Planning Management Committee
  - SWAT
- **Transmission Infrastructure Program Support**

# Transmission Business Unit – J7300

CRSP - DSW - RMR

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- **Open Access Transmission Tariff Management**
  - Transmission Service Requests
  - Interconnection Requests
  - OASIS Management
- **Industry Restructuring**
- **Project Management**
- **Regional Reliability Forums**
  - WECC Market Interface Committee
- **Sub-Regional Transmission Forums**
  - WestConnect Steering Committee

# Western's Power Systems Operations Council

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- Western Wide Coordination of Western's Operations and Transmission Policies
- PSOC Membership
  - Lloyd Linke – UGPR
  - Darren Buck – CRSP/DSWR/RMR Operations
  - Pete Garris – SNR
  - Ron Moulton (Chairman) – CRSP/DSWR/RMR Transmission Services
  - Tony Montoya – Chief Operating Officer
  - Staff Support (COO, OGC, TAT, TPMT, RSCT. . . )

# Key Issues/Activities

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- **Transmission Reliability**
- **Transmission Adequacy**
- **Transmission System Marketability**
- **Transmission Policy**
- **Open Access Transmission Tariff**
- **Transmission Infrastructure Program Support**
- **Integration of Renewables**
- **WECC Initiatives**
- **WestConnect/Joint Initiatives**

# Industry Issues / Initiatives

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## Industry Issues/Initiatives/Participation

A lot of activity within the industry to facilitate the integration of renewable resources.

- **WestConnect**
  - Intra-Hour Scheduling
  - LGIP Queue Reform
- **Western Electricity Coordination Council (WECC)**
  - **Efficient Dispatch Toolkit (EDT)**
    - Enhanced Curtailment Calculator (ECC)
    - Energy Imbalance Market (EIM)
  - **Regional Transmission Expansion Planning (RTEP)**
    - WECC 10-Yr & 20-Yr Transmission Plans

# Industry Issues / Initiatives

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## Industry Issues/Initiatives/Participation (*Continued*)

- North American Electric Reliability Corporation (NERC)
  - MOD 29 Revisions
  - Alerts
    - Facility Ratings
- Federal Energy Regulatory Commission (FERC)
  - Notice of Proposed Rulemakings (NOPRs)
    - Regional Transmission Planning & Cost Allocation
    - Integrating Variable Energy Resources

# Information Technology

CRSP - DSW - RMR

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# Power System Operations

CRSP - DSW - RMR

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- **Orlando Reyes, J4200**
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- **Paul Humberson, J4800**
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# Transmission Services

CRSP - DSW - RMR

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