

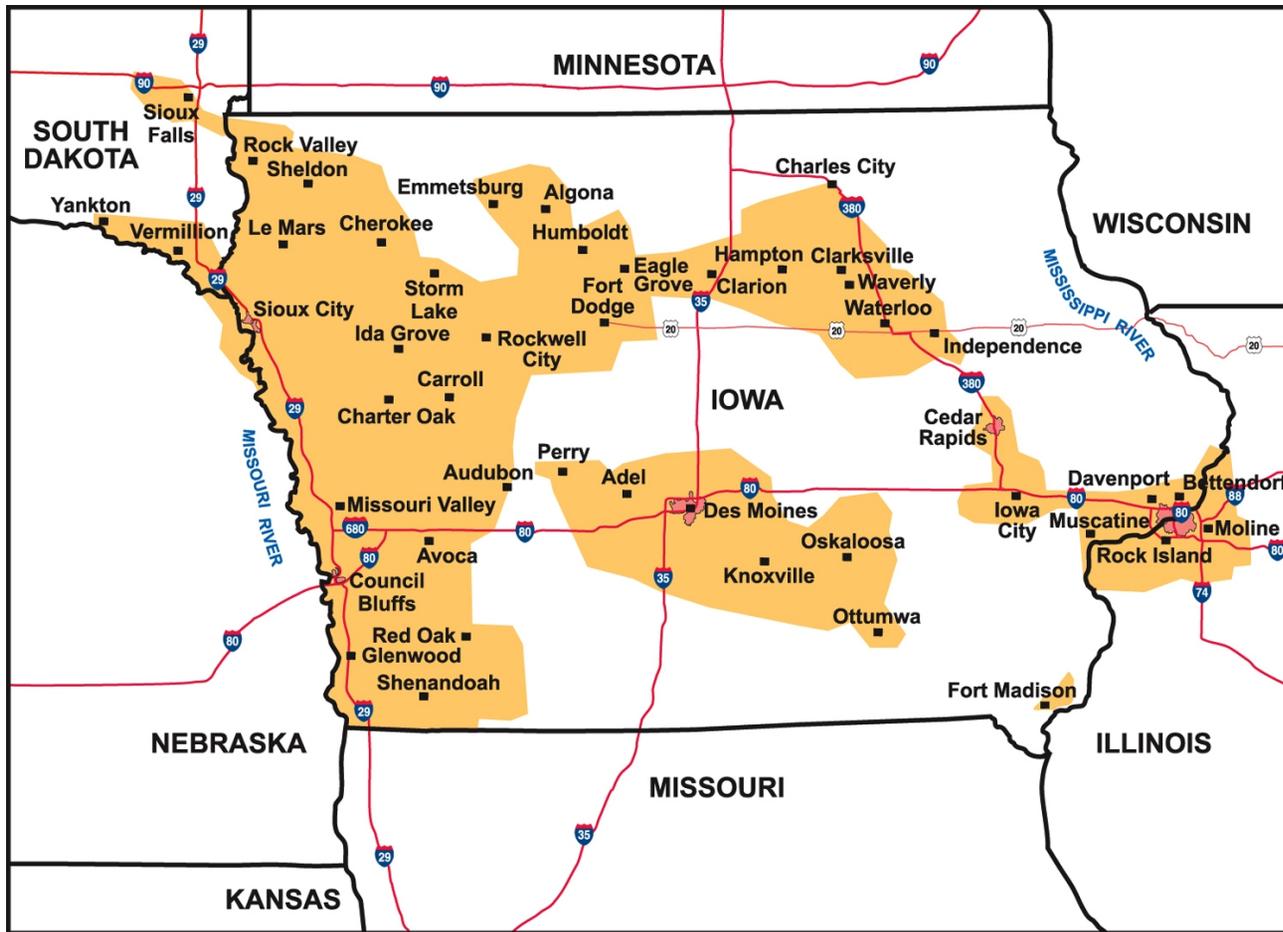
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# MidAmerican Energy's Transmission Planning Strawman Proposal

Tom Mielnik  
Manager  
Electric System Planning

FERC Transmission Regional Technical Conference  
Pittsburgh, PA  
June 29, 2007

# MidAmerican Energy Service Area



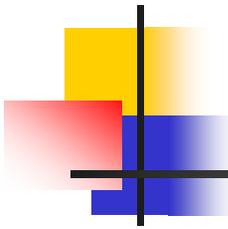
MidAmerican Energy Company Service Area



# MidAmerican's Transmission Planning Strawman

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- MidAmerican posted a Strawman on May 29, 2007
  - Basis for a revised Attachment K to the OATT for Open and Transparent Planning Process
  - Held a May 1, 2007 stakeholder meeting in Ankeny, IA to get input in developing strawman – 37 attendees from 14 organizations

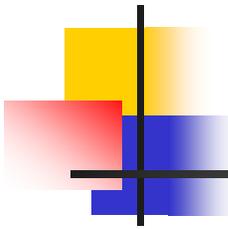


# MidAmerican's Transmission Planning Strawman

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- Background

- Current Member of FERC-approved Regional Transmission Group - MAPP
  - MAPP Procedures
  - Individual Member Plans coordinated with Iowa Transmission Working Group (ITWG)
  - MAPP Transmission Planning Subcommittee (TPSC) – MAPP Regional Plan
  - ITWG and MAPP TPSC – stakeholder forum



# MidAmerican's Transmission Planning Strawman

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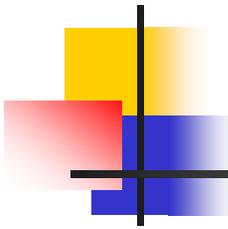
- Background
  - TranServ International – independent Transmission Service Coordinator since September 1, 2006:
    - Oversees Transmission Service pursuant to MEC OATT Attachment
    - Performs OATT System Impact Studies and Generation Interconnection Studies
    - Participates in regional planning function
    - Participates in identification of economic upgrades



# MidAmerican's Transmission Planning Strawman

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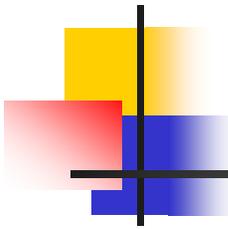
- Scope of Proposed MidAmerican Process
  - MidAmerican responsible for determining transmission plans
  - Timely and meaningful input from stakeholders
    - Customers
    - TranServ
    - Neighboring transmission providers
    - Affected state authorities
    - Others



# MidAmerican's Transmission Planning Strawman

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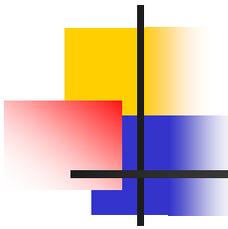
- Scope of Proposed MidAmerican Process
  - Develop transmission plans to be submitted to MAPP, as appropriate – Stakeholder input is solicited prior to submitting plans to MAPP
  - Develop local area transmission plans – Stakeholder input is solicited as part of the planning process



# MidAmerican's Transmission Planning Strawman

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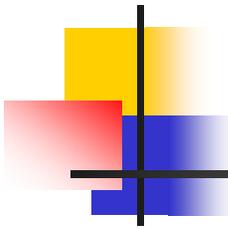
- First Principle - Coordination
  - MAPP Subregional and Regional Coordination Continues
  - Proposed MidAmerican Transmission Planning Stakeholder Meetings
    - Minimum of one per year
    - Others as needed



# MidAmerican's Transmission Planning Strawman

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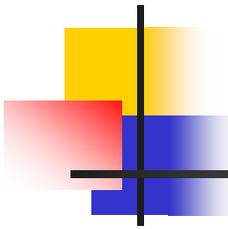
- First Principle - Coordination
  - Proposed Stakeholder Meetings – discuss planning for MidAmerican Transmission System
    - Discuss reliability and economic problems
    - Discuss proposed upgrades
    - Discuss completed and ongoing studies
    - Discuss processes
  - Proposed preliminary transmission planning - individual parties or ad hoc study groups to facilitate transmission plan developments



# MidAmerican's Transmission Planning Strawman

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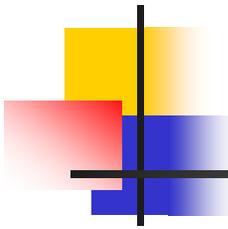
- Second Principle - Openness
  - Current participant in open MAPP process
  - Proposed MidAmerican Process
    - Ad-hoc Study Groups for studies - Stakeholders invited to participate
    - Information available on password protected sites
      - FERC Standards of Conduct
      - Critical Energy Infrastructure Information
    - Study Group meetings scheduled as needed



# MidAmerican's Transmission Planning Strawman

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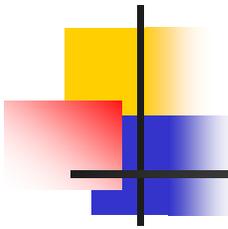
- Third Principle - Transparency
  - Current participant in transparent MAPP process
  - Proposed MidAmerican Process
    - Disclose basic planning criteria, assumptions and data
    - Study Group members comment on draft study scope including basic assumptions, models, and draft report



# MidAmerican's Transmission Planning Strawman

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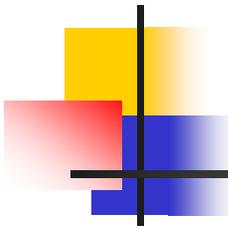
- Third Principle – Transparency
  - Proposal - Five Basic Methodologies and processes posted by March 31, 2008
    - Stakeholder Process
    - Data Submittal and Exchange
    - Model Development
    - Baseline Reliability Studies
    - Economic Planning Studies
  - Proposal - MidAmerican to invite Stakeholder Comments on procedures prior to posting



# MidAmerican's Transmission Planning Strawman

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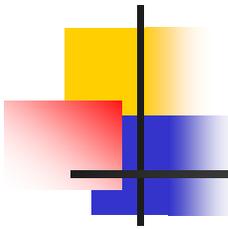
- Fourth Principle – Information Exchange
  - MAPP's Information Exchange requirements Continue – MAPP Strawman
  - Proposed MidAmerican Process – Posted Data Submittal and Exchange Procedure
    - Model data
    - Dispatch restrictions for generating units
    - Existing and future customer loads
    - Existing and future generation
    - Interruptible Load Information
    - Transmission Service Needs



# MidAmerican's Transmission Planning Strawman

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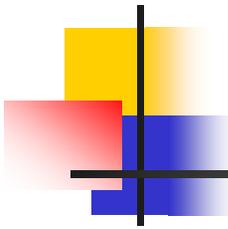
- Fifth Principle – Comparability
  - MAPP Plans and Process treats similarly situated customers comparably
  - MidAmerican Process treats similarly situated customers comparably
- Sixth Principle – Dispute Resolution
  - MAPP Dispute Resolution Process (DRP) in Restated Agreement
  - MidAmerican to expand DRP in MidAmerican OATT
- Seventh Principle – Regional Participation – continue to participate in MAPP Process



# MidAmerican's Transmission Planning Strawman

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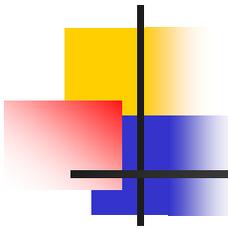
- Eighth Principle – Economic Planning Studies
  - MAPP Strawman – MidAmerican will participate in Proposed Process
  - Proposed MidAmerican Process
    - Cluster studies
    - Work effort similar to large Generation Interconnection Study
    - Three High Priority Customer Requested Studies Annually
      - Not the subject of a MAPP regional study
      - Not the subject of an ongoing MidAmerican or TranServ study
      - Study scoped broadly enough to represent the interests of a number of customers



# MidAmerican's Transmission Planning Strawman

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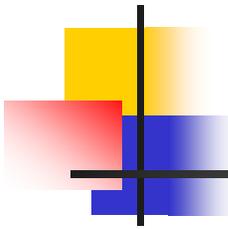
- Eighth Principle – Economic Planning Studies
  - Proposed MidAmerican Process
    - Customers may request MidAmerican coordinate an economic study with neighboring transmission providers (Key Take-away from May 1 Stakeholder Meeting)
    - MidAmerican facilitate stakeholder discussion to get collective customer forced ranking of requested studies
    - Stakeholders to provide relevant information on cost of congestion



# MidAmerican's Transmission Planning Strawman

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- Ninth Principle – Cost Allocation for New Projects
  - Proposed MAPP Process – for projects 100 kV and above
  - Proposed MidAmerican Process – Network Upgrades within MidAmerican Balancing Authority Area
    - Generation Interconnection Projects – MidAmerican OATT
    - Transmission Service Projects – MidAmerican OATT
    - Baseline Reliability Projects – MAPP Cost Allocation
    - Regionally Beneficial Projects – MAPP Cost Allocation



# MidAmerican's Transmission Planning Strawman

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- Summary

- Participate in MAPP Process
- Develop a MidAmerican Process to meet Nine Principles for plans for MidAmerican transmission facilities
  - To be submitted to MAPP process, as appropriate
  - Local area plans
- Proposed MidAmerican Process to provide for timely and meaningful input from stakeholders
  - Stakeholder Meetings
  - Ad-hoc Study Groups
- Proposed MidAmerican Process to be transparent
  - Post Basic Information
  - Post Procedures