

Gas Supply Planning

Goal

Develop a safe, reliable and cost-effective supply portfolio that provides gas supply to the Questar Gas system at locations and pressures adequate to meet system requirements

Gas Supply Strategy

Reduce risk of pipeline constraints

- Control over nominations
- Ensures highest priority service

Access to reliable supply sources

- Pipeline interconnects
- Large processing plants
- Cost-of-service production
- Storage withdrawals

Upstream Firm
Transportation
Capacity

Storage
Services

Firm-Peaking
Services

Provide reliable supply source

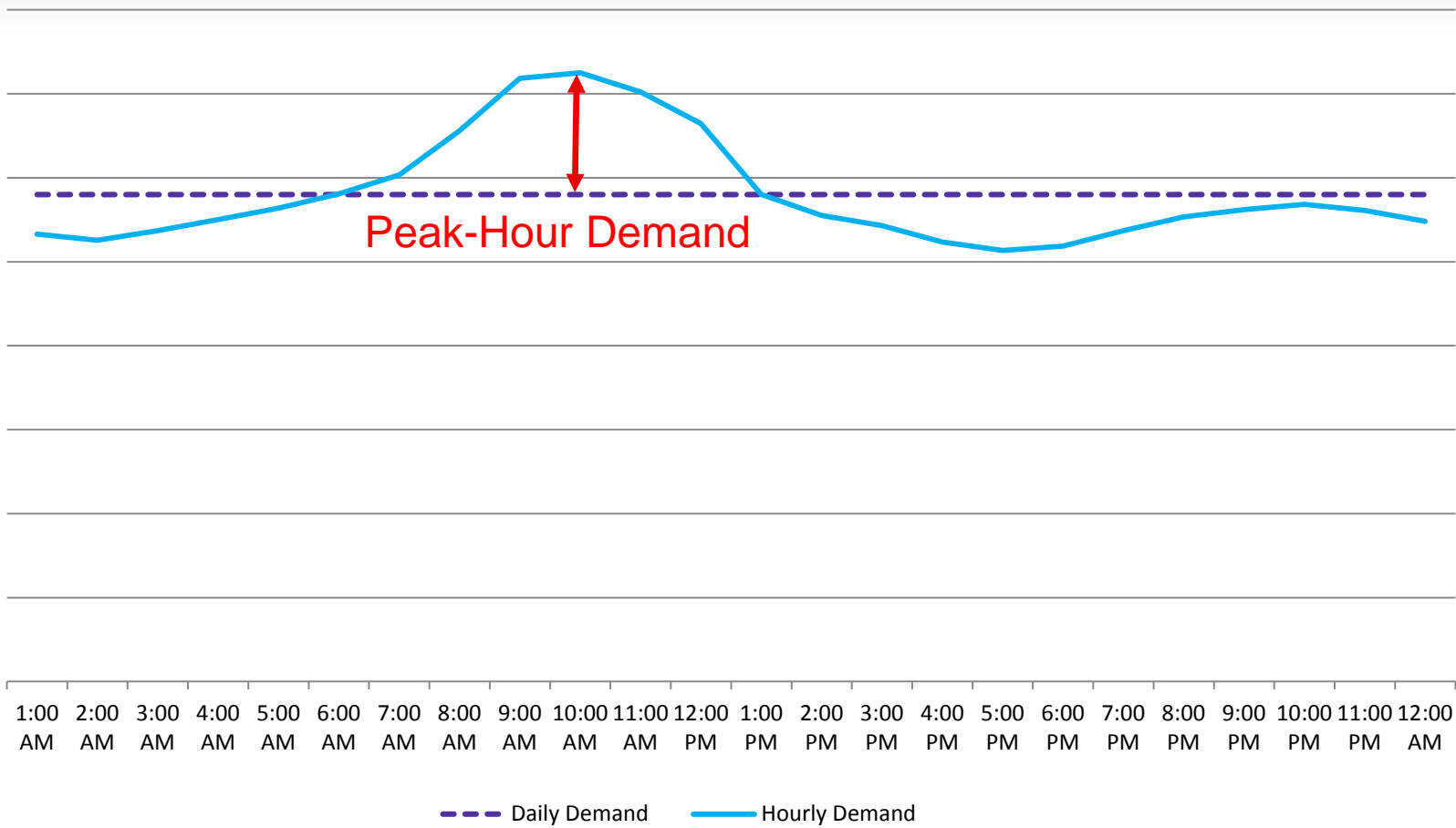
- Can be used for redundancy
- Critical in managing cost-of-service production
- Reduce risk of dramatic price fluctuations

Provide firm service for increased flows during peak hours

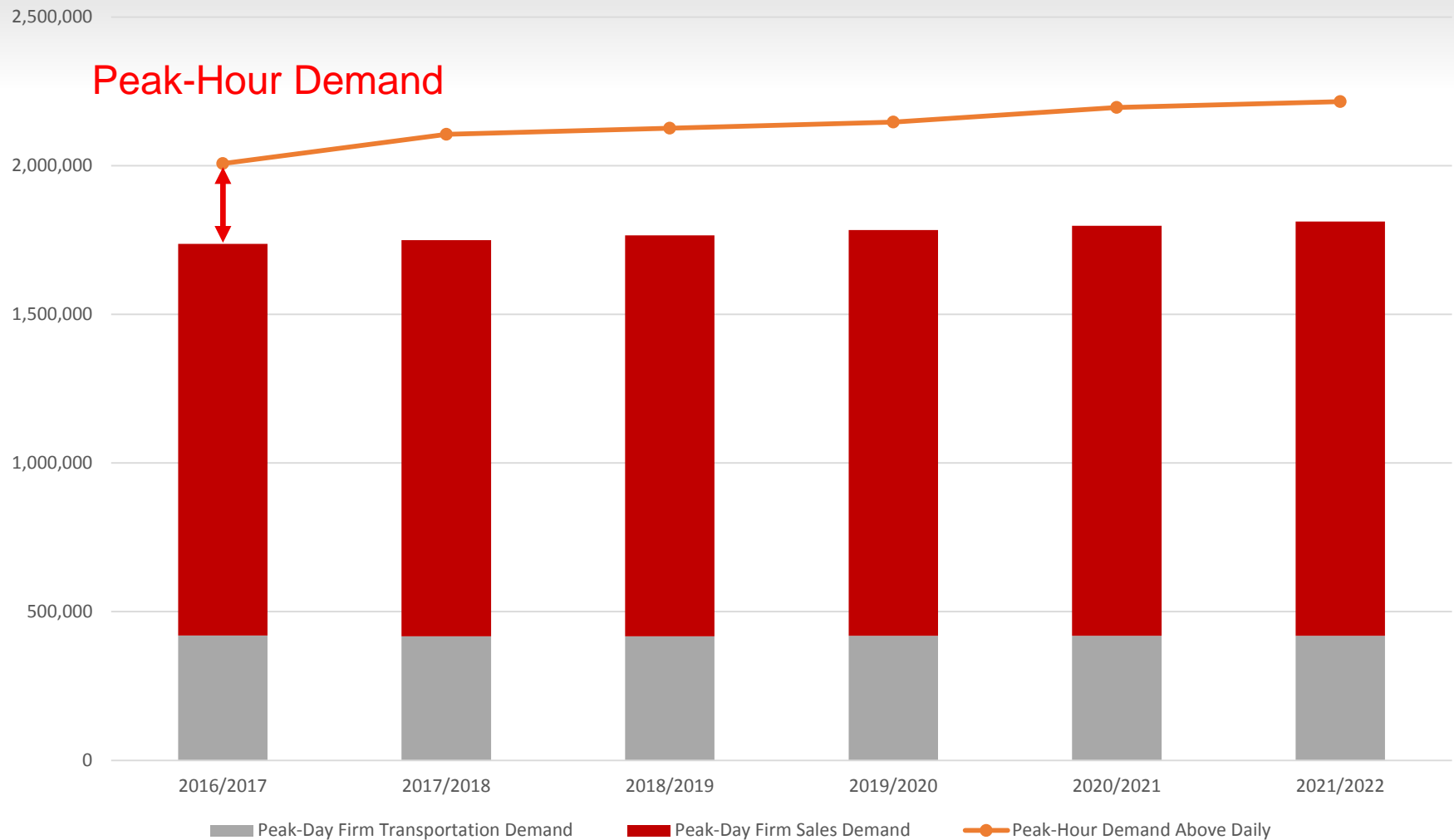
- Meet existing demand swings

Peak-Hour &
Peak-Day
System
Requirements

Options to Meet Peak-Hour Demand



Peak-Hour and Peak-Day Requirements



Options to Meet Peak-Hour Demand

- Peak-hour services
- Demand response
- Additional upstream capacity/purchase excess supply
- Facility improvements
- Liquefied Natural Gas (LNG) peak-shaving facility

Options to Meet Peak-Hour Demand

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Options to Meet Peak-Hour Demand

Options to Meet Peak-Hour Demand

Options to Meet Peak-Hour Demand

Options to Meet Peak-Hour Demand

Peak-Hour Demand Recommendations

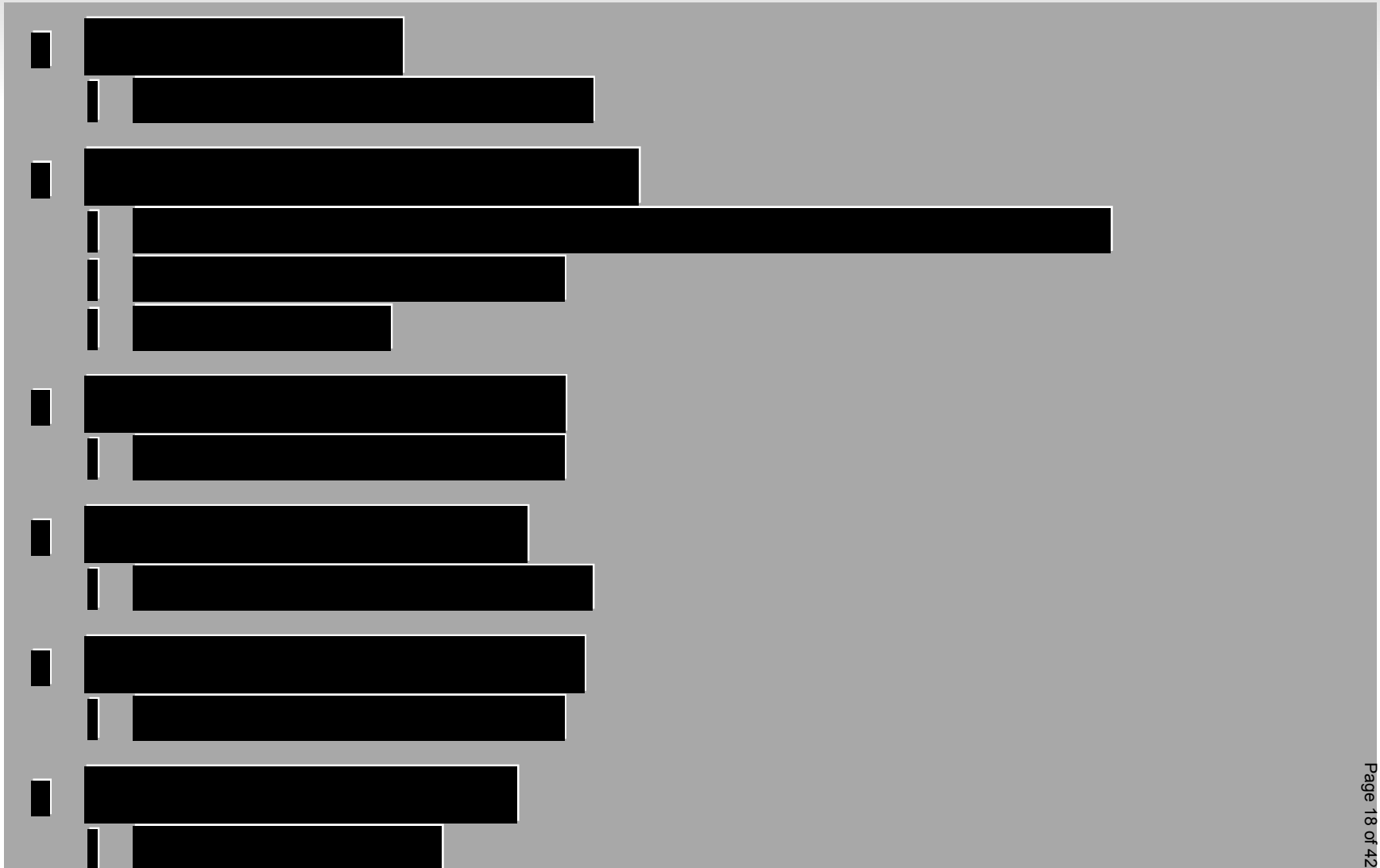
Peak-Hour Demand Options

2017 Firm Peaking Service Cost Allocation

Storage Options

Supply Sources - Storage

Supply Sources – Other Storage Option



Storage Locations

Supply Sources - Storage

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Supply Sources - Storage

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Storage Recommendations

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Future Options

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Transportation Options

Supply Sources - Purchases

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Preferred Purchase Locations

Transportation Capacity Options

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Transportation Capacity Options

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Transportation Capacity Options

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Transportation Capacity Options

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Upstream Transportation Recommendations

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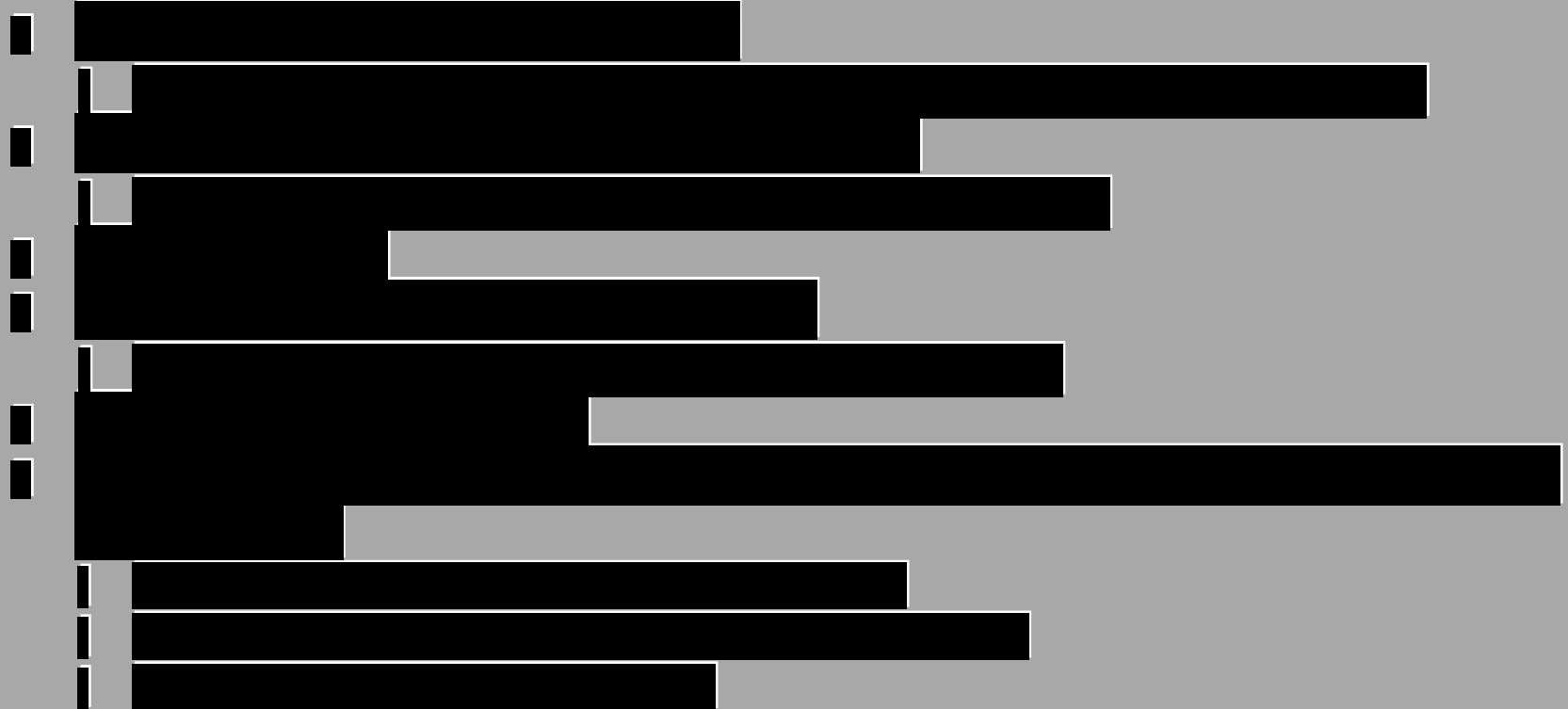
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Transportation Capacity Options

Transportation Capacity – Option 1

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Transportation Capacity – Option 2



Transportation Capacity – Option 3

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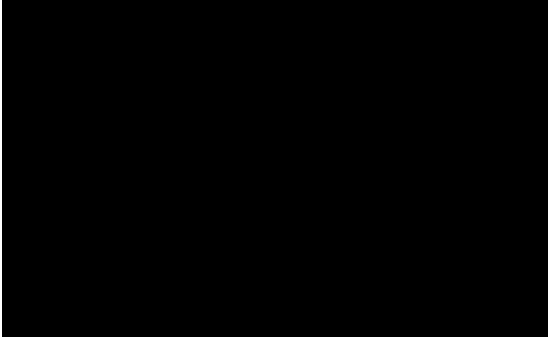
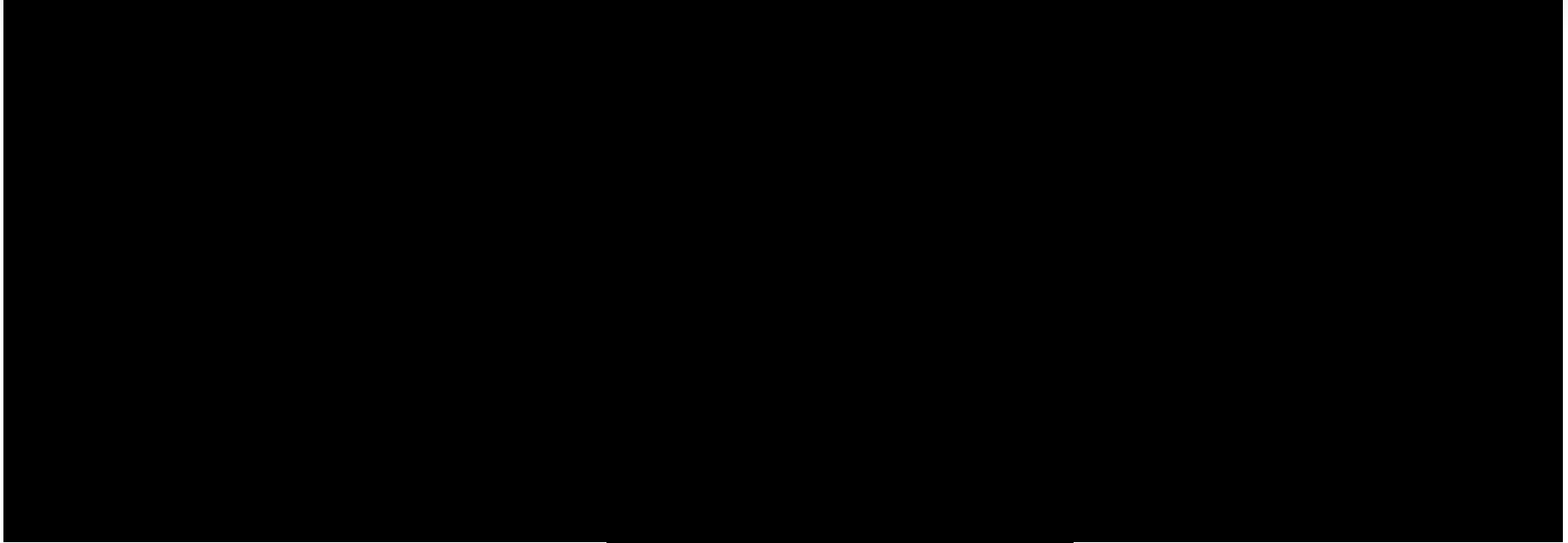
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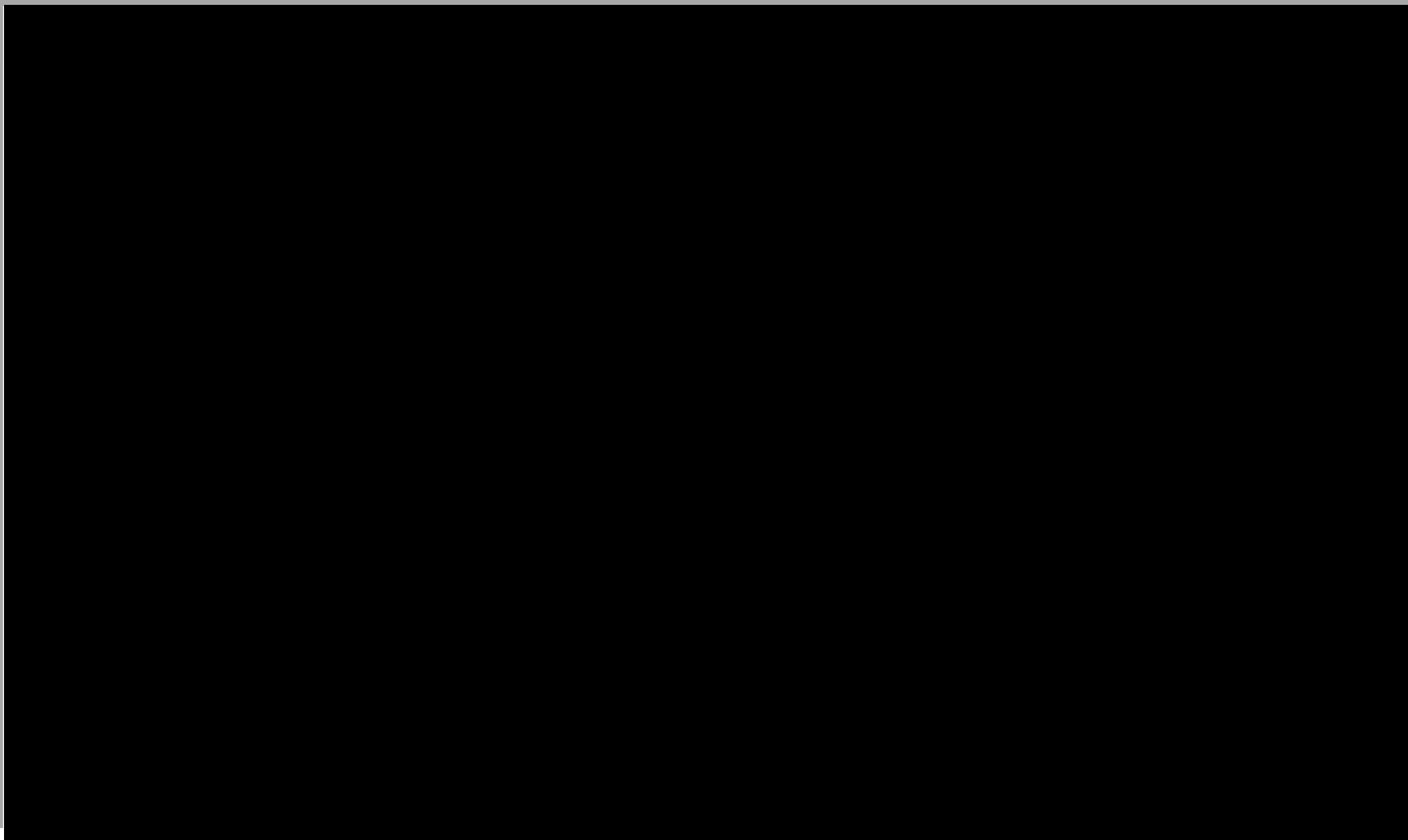
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System Pressures - 2025



Transportation Capacity



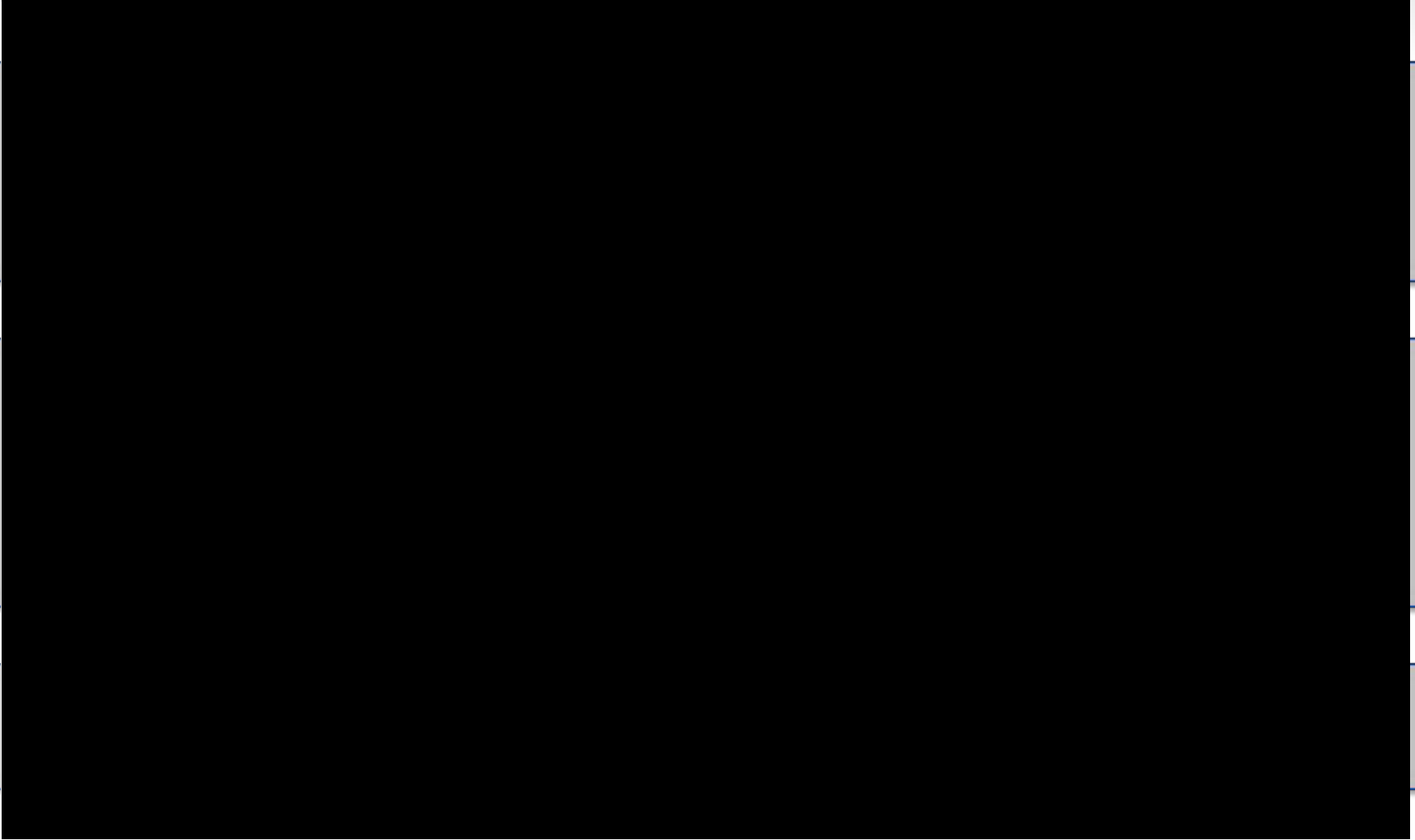
Transportation Capacity Options

Supplier Non-Gas Cost Comparison

Transportation Capacity Options

Upstream Transportation Recommendations

Option 2



Gas Supply Strategy – Additional Needs

Questions?