

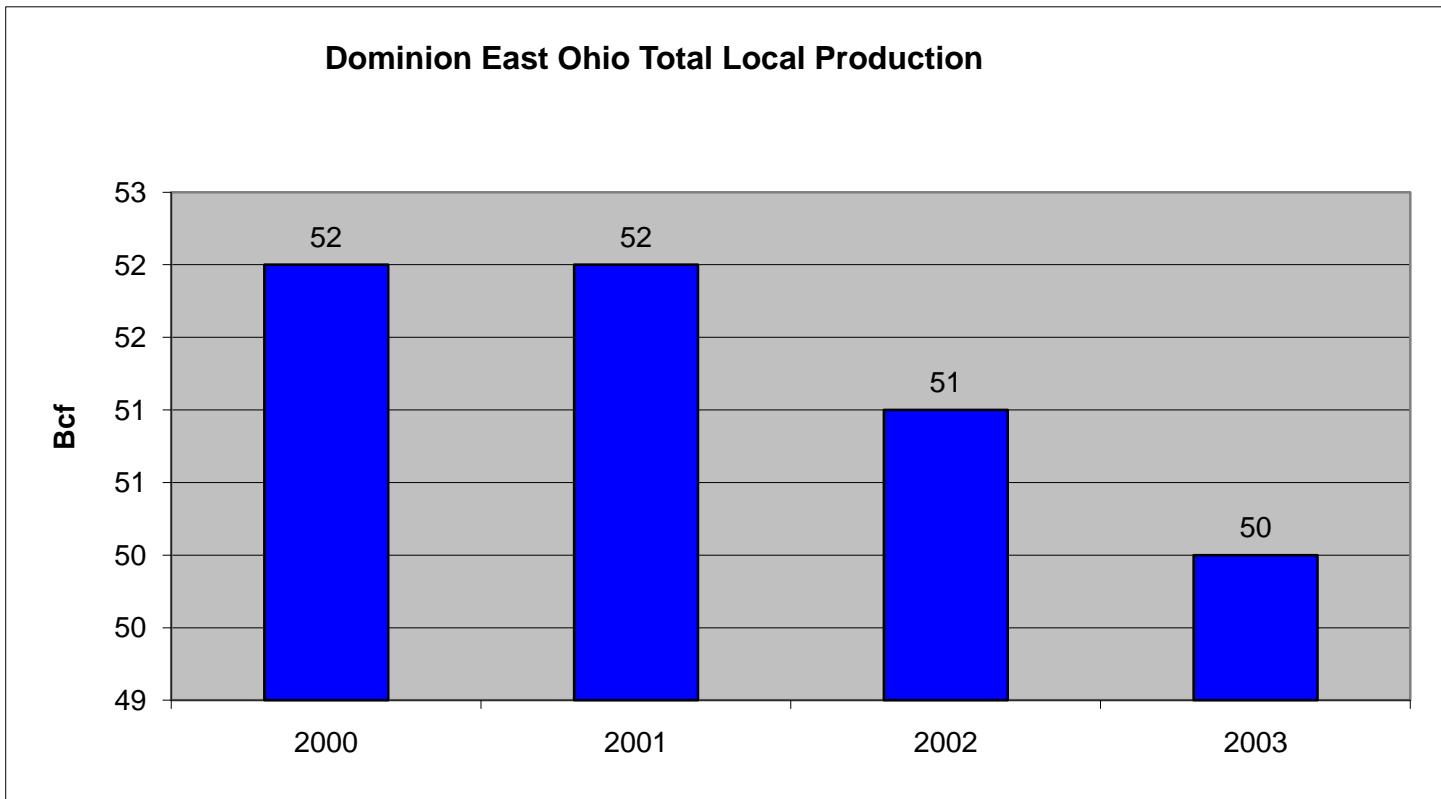
Anticipating Future Production Challenges in Ohio

OOGA Fall Technical Conference

**Brent Breon, Manager - Planning
Dominion East Ohio**

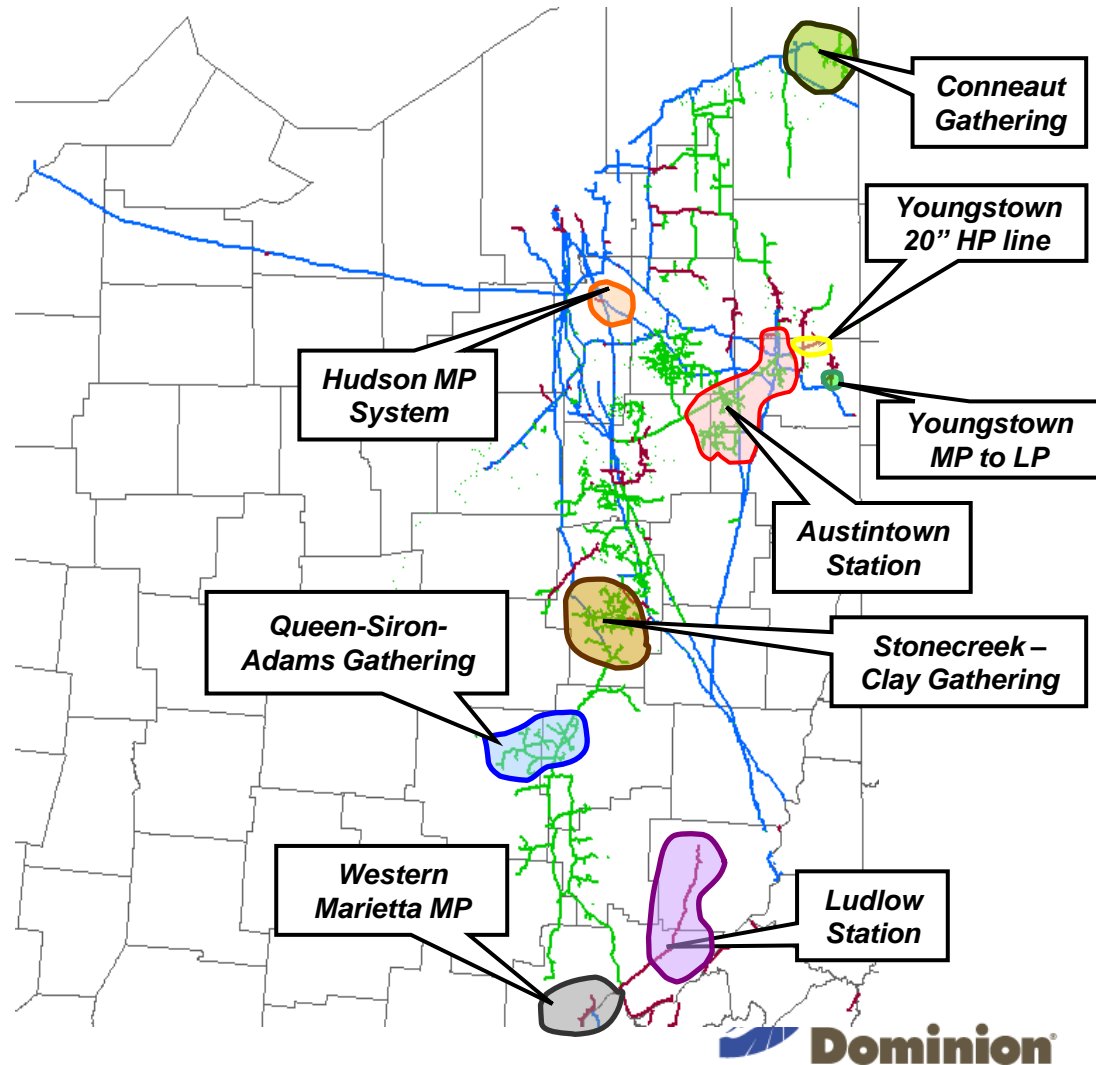
Past (2000 - 2003)

- Threats



Past (2000 - 2003)

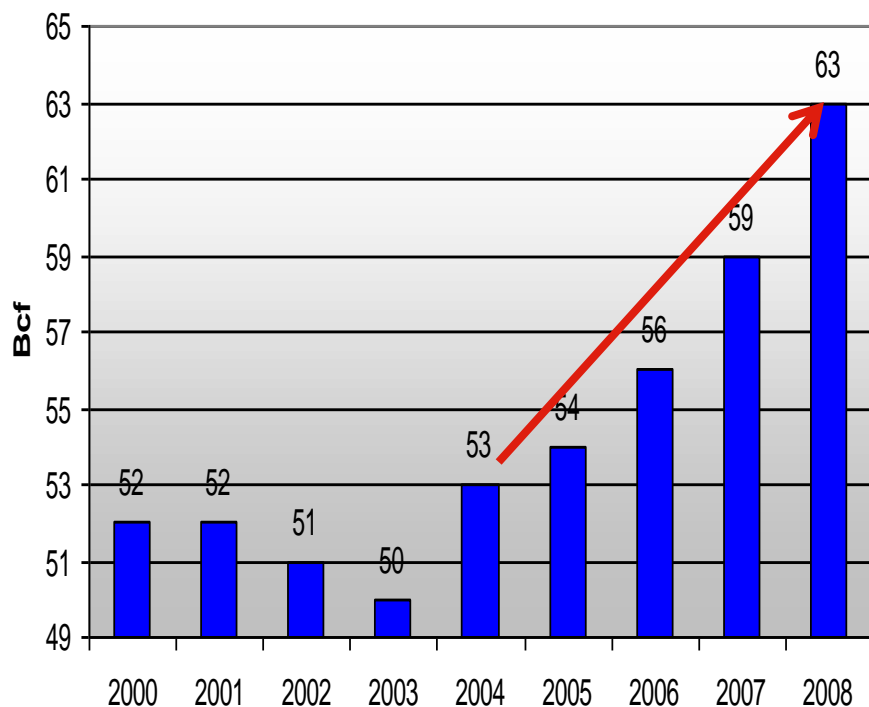
- Response



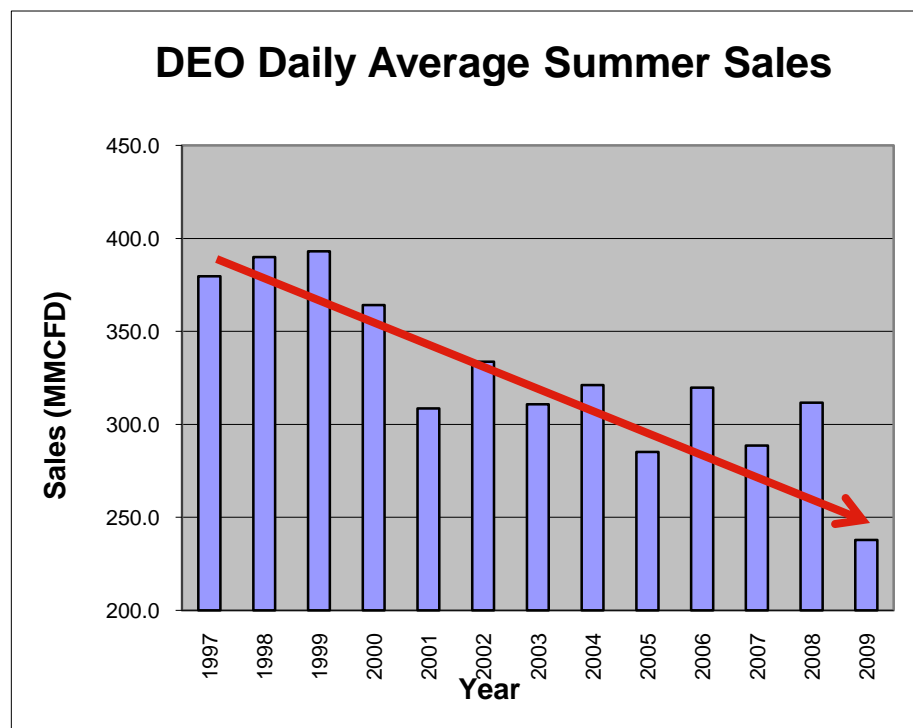
Recent Past - (2003 through 2009)

● Threats

- Production increases as price increases but consumption is falling



Ohio Local Production on DEO



Recent Past - (2003 through 2009)

- Threats (continued)

- NIMBY (Not In My Backyard) grows in response to HB278
- Rockies Express pipeline planned to Clarington, Ohio



Recent Past (2003 through 2009)

● Response

- Senate Bill 165 proposed to address ODNR funding and urban drilling concerns
- Low to High Compression built to increase access to Dominion East Storage

DEO Low to High Summary

Current:

Stock Station 23 mmscf/d
Pike Station 12 mmscf/d

Proposed 2010:

Paint Station 7 mmscf/d
Columbiana Rework 4 mmscf/d
Austintown 24 mmscf/d

Total by Summer 2010: 70 mmscf/d

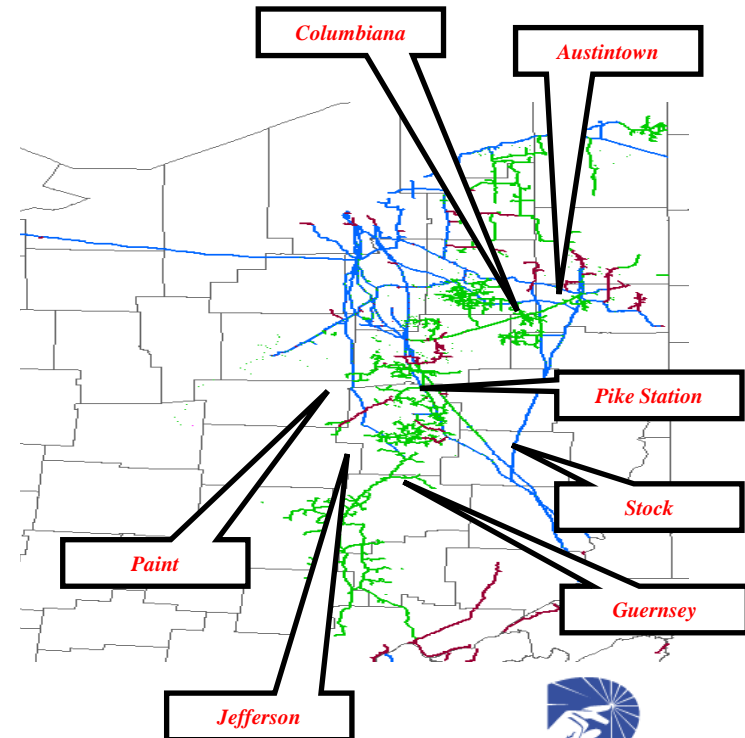
Existing Gathering to Storage:

Guernsey (Potential) 60 mmscf/d
Jefferson 7 mmscf/d

Grand Total: 137 mmscf/d

Avg Ohio Local Production 180 mmscf/d

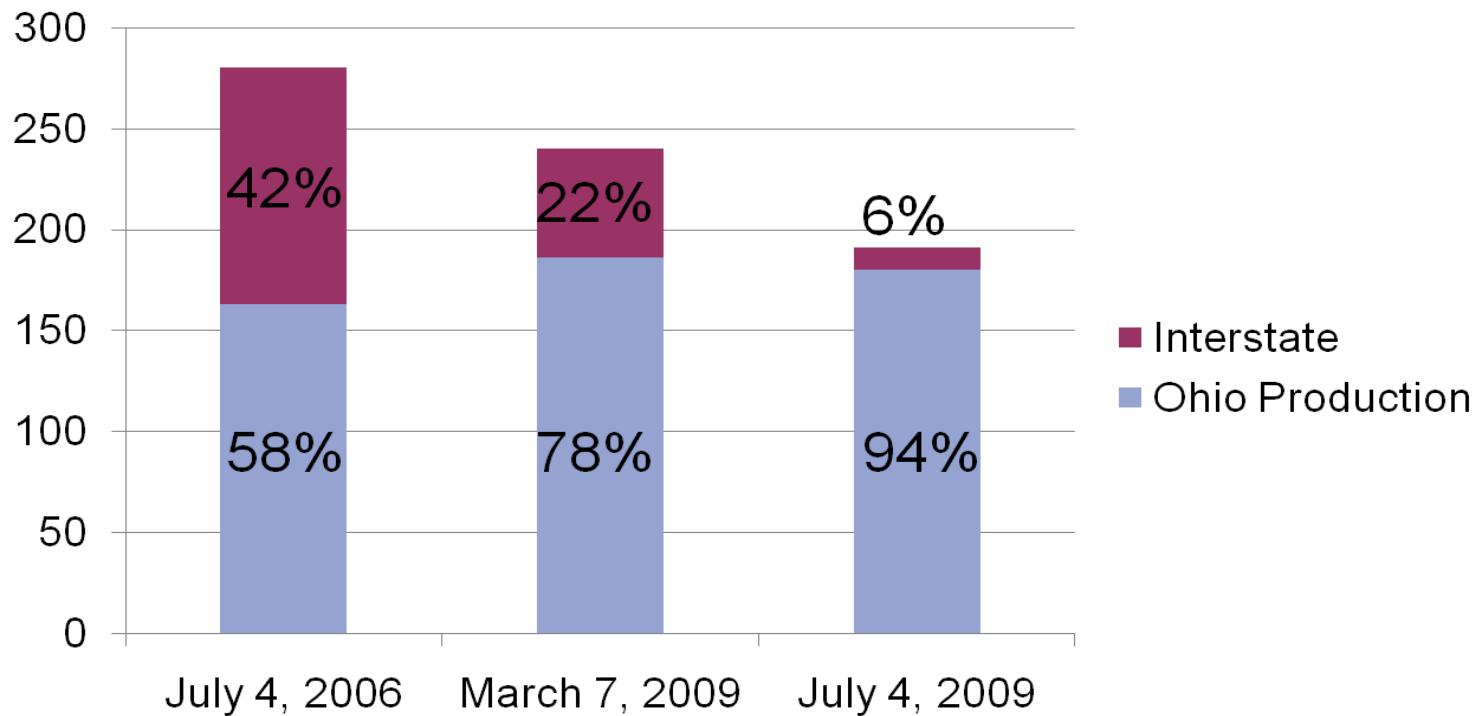
Avg Daily Storage Inj: 240 mmscf/d



Future

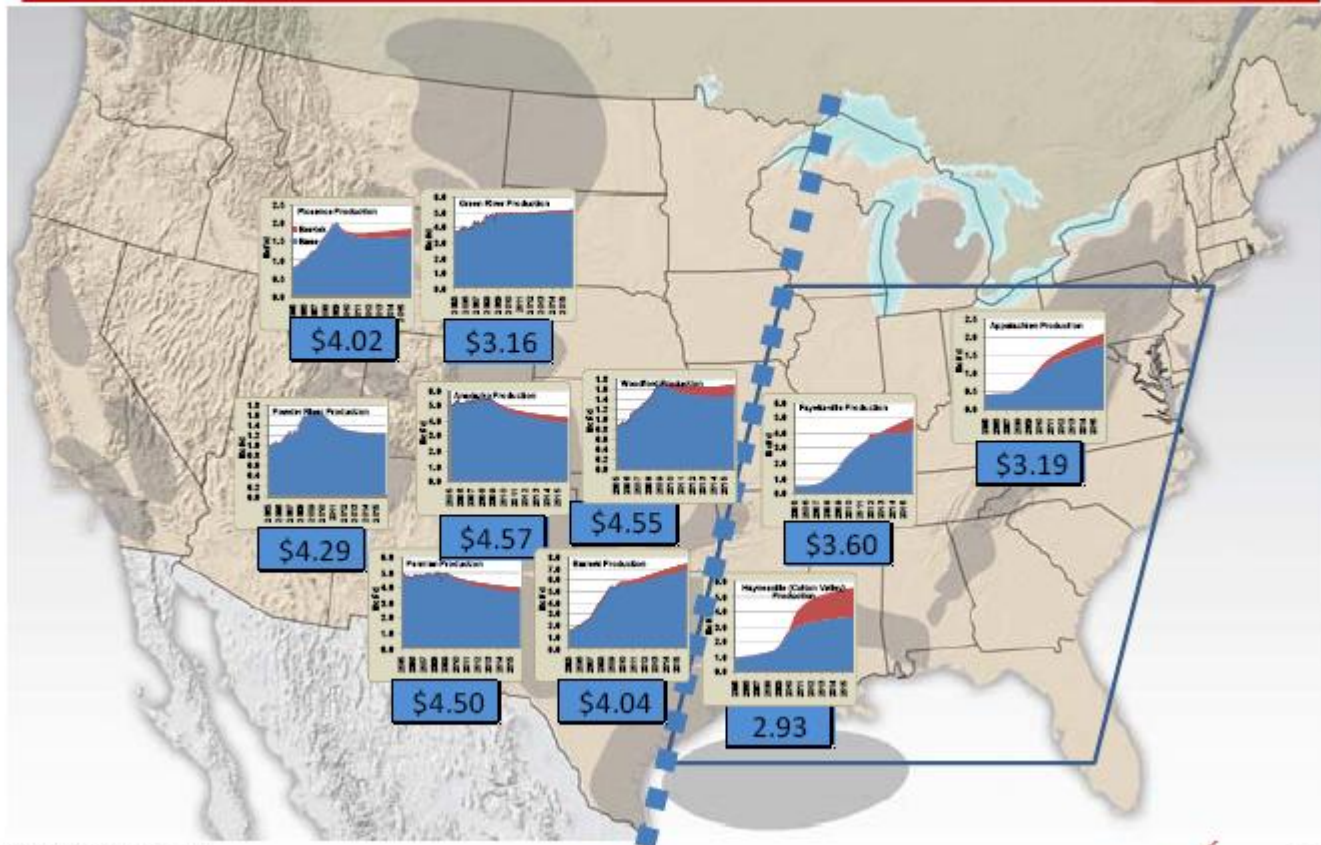
● Threats

- **Economy: Will Commercial & Industrial load (primarily Automotive and Steel) return?**



Future

Basin Breakevens and Production



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Future

- **Threats (continued)**

- Shale: Will Pennsylvania become a net exporter of Natural Gas in 2009?



*Source: Range Resources

Future

- **Responses ??**
 - **Natural gas is plentiful, clean, and has a good distribution network**
 - **Should we steal load or expand total gas consumption**
 - **Electric Generation – Natural Gas as Bridge Fuel**
 - **Transportation – Should DEO & OOGA be working on State Legislation to promote natural gas as a vehicle fuel**
 - **Access to market**
 - **Communication and Cooperation is key**
 - **Marketers, Producers, and Pipelines need to be aware of issues, communicate, and adjust**
 - **Cooperative pipeline projects to economically use existing pipelines and ROW to access the market**

Questions

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