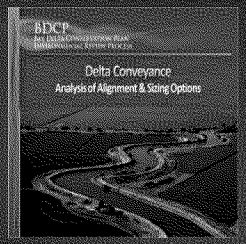
BDCP Steering Committee
New Delta Conveyance
Informational Analysis on Sizing

June 17, 2010



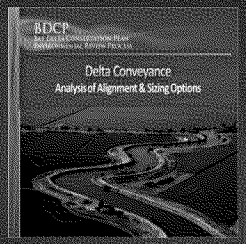
New Delta Conveyance

Factors Effecting Size and Performance

- Capital Costs
- Cost for Capacity
- Water Supply
- Sea level rise
- Catastrophic Delta Failure
- Central Delta Biological Conditions
- Water Quality South of the Delta
- Power Use
- In-Delta Water Quality
- Delta Outflows

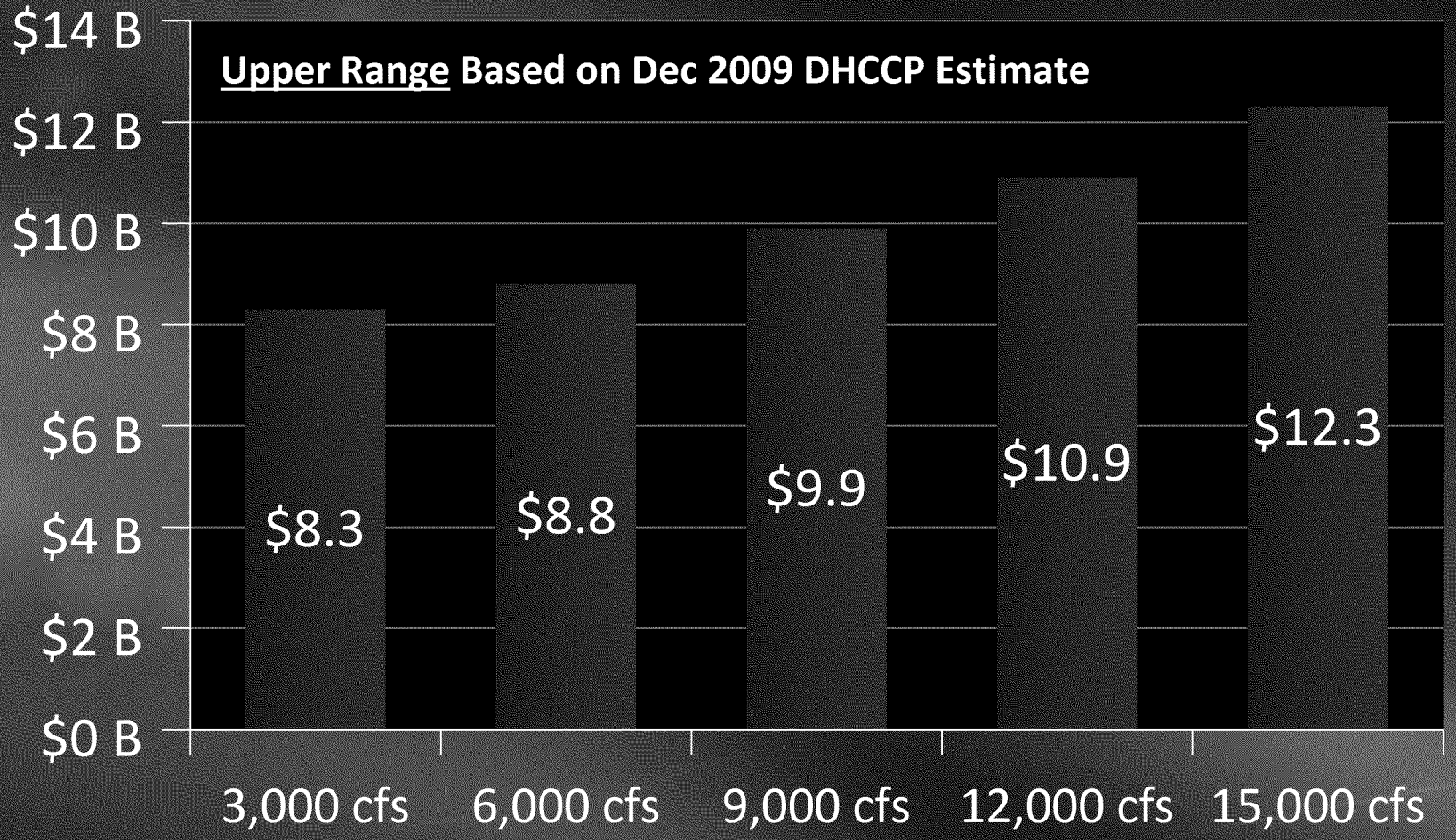
Preliminary Subject to Revision

ED_000733_DD_NSF_00075889-00002



New Delta Conveyance

All Tunnel – Estimated Capital Costs



Preliminary Subject to Revision

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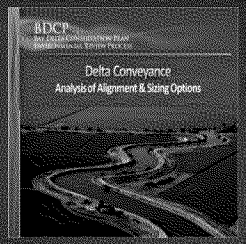
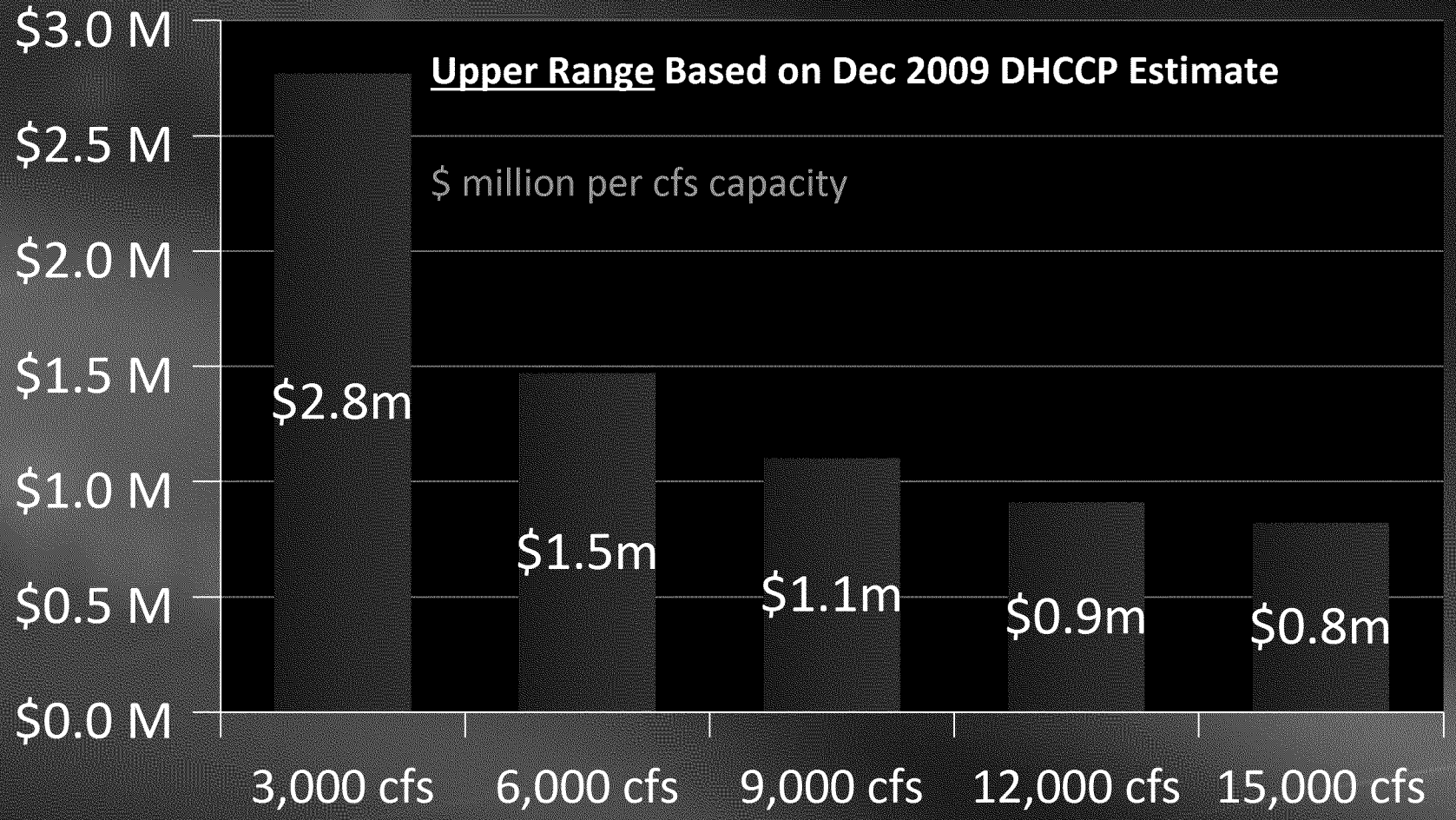


New Delta Conveyance

All Tunnel – Estimated Cost for Capacity



Preliminary Subject to Revision

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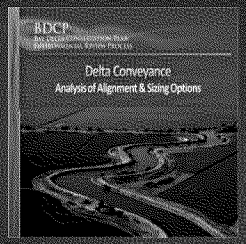
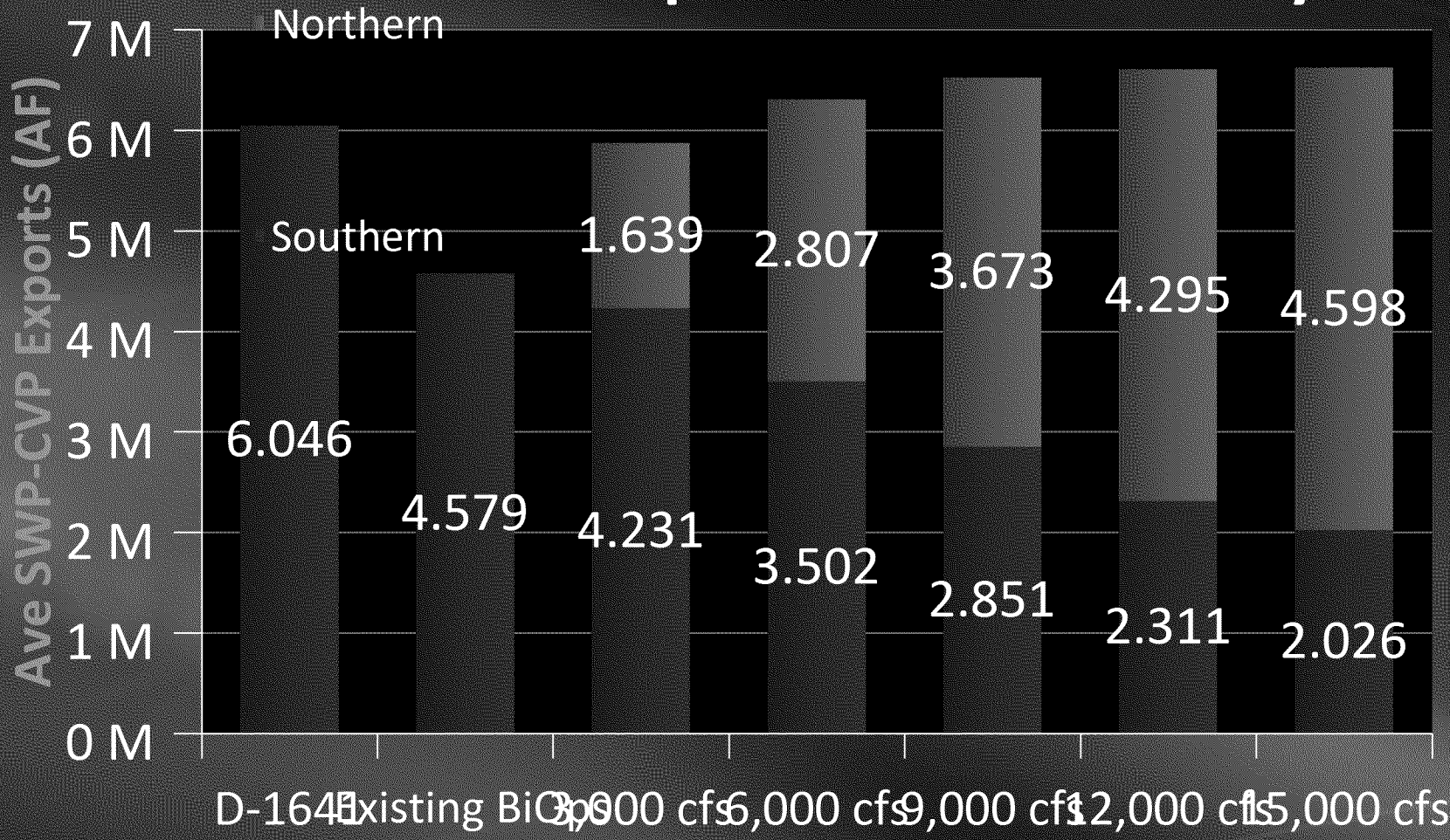


New Delta Conveyance

Alt Future 1 – Operations forwarded by SC



Preliminary Subject to Revision

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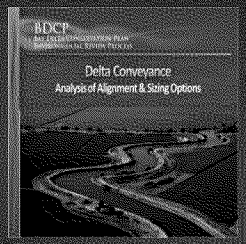
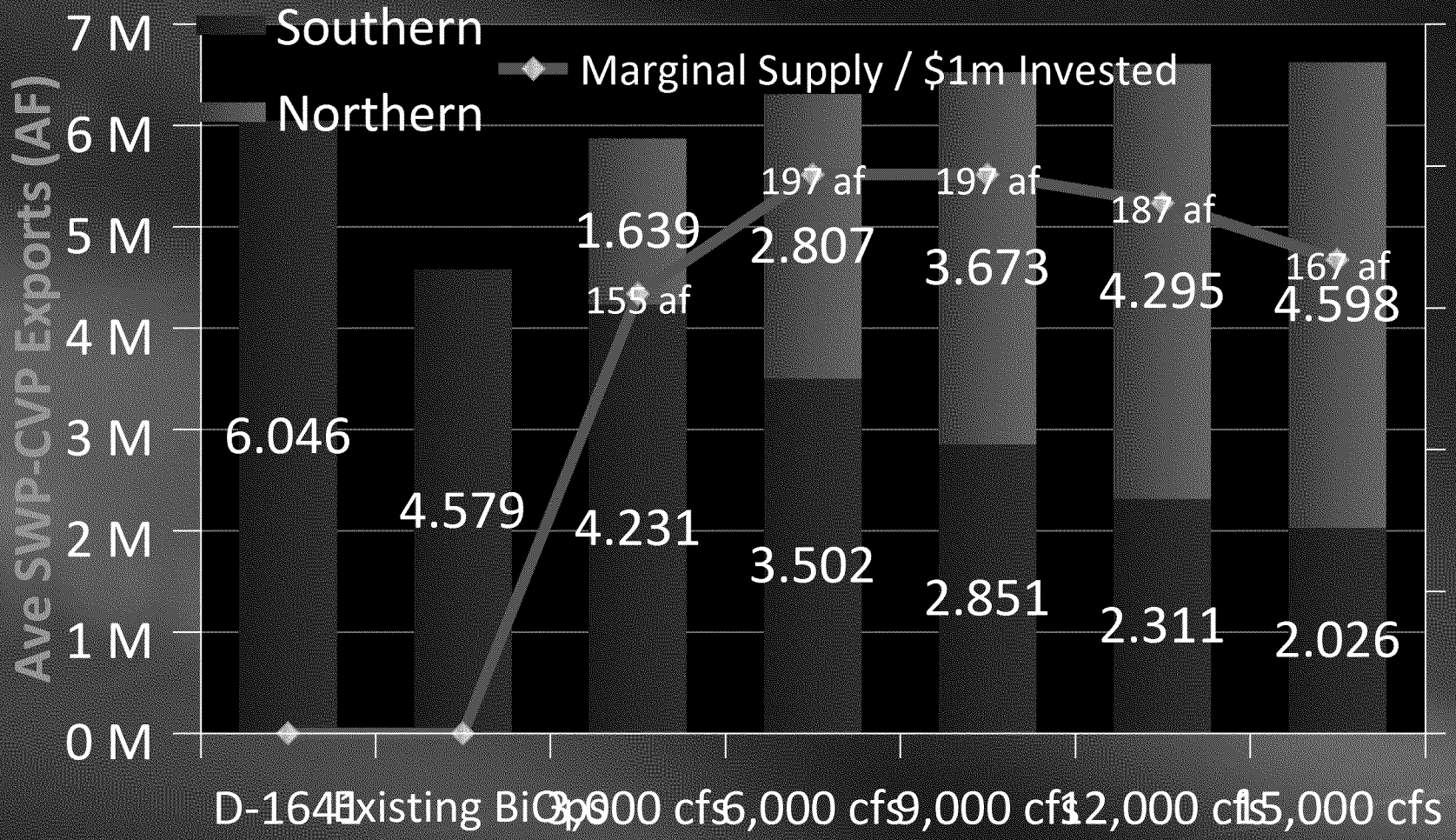


New Delta Conveyance

Alt Future 1 – Operations forwarded by SC



Preliminary Subject to Revision

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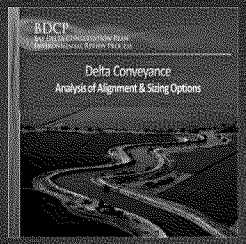
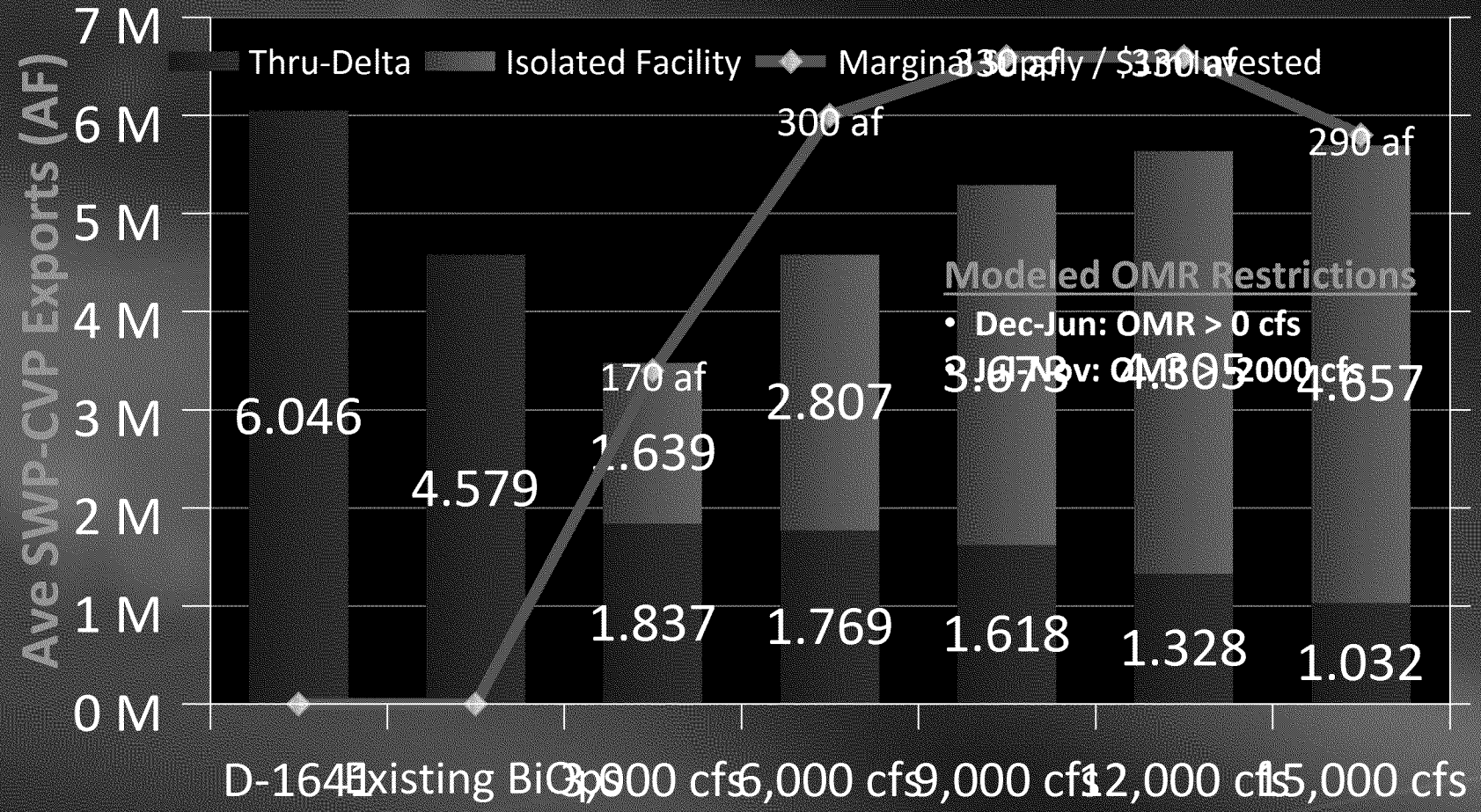


New Delta Conveyance

Alt Future 2 – More Restrictive South Delta Ops

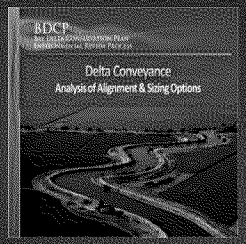


Modeled OMR Restrictions

- **Dec-Jun: OMR > 0 cfs**
- **Jul-Nov: OMR > -2000 cfs**

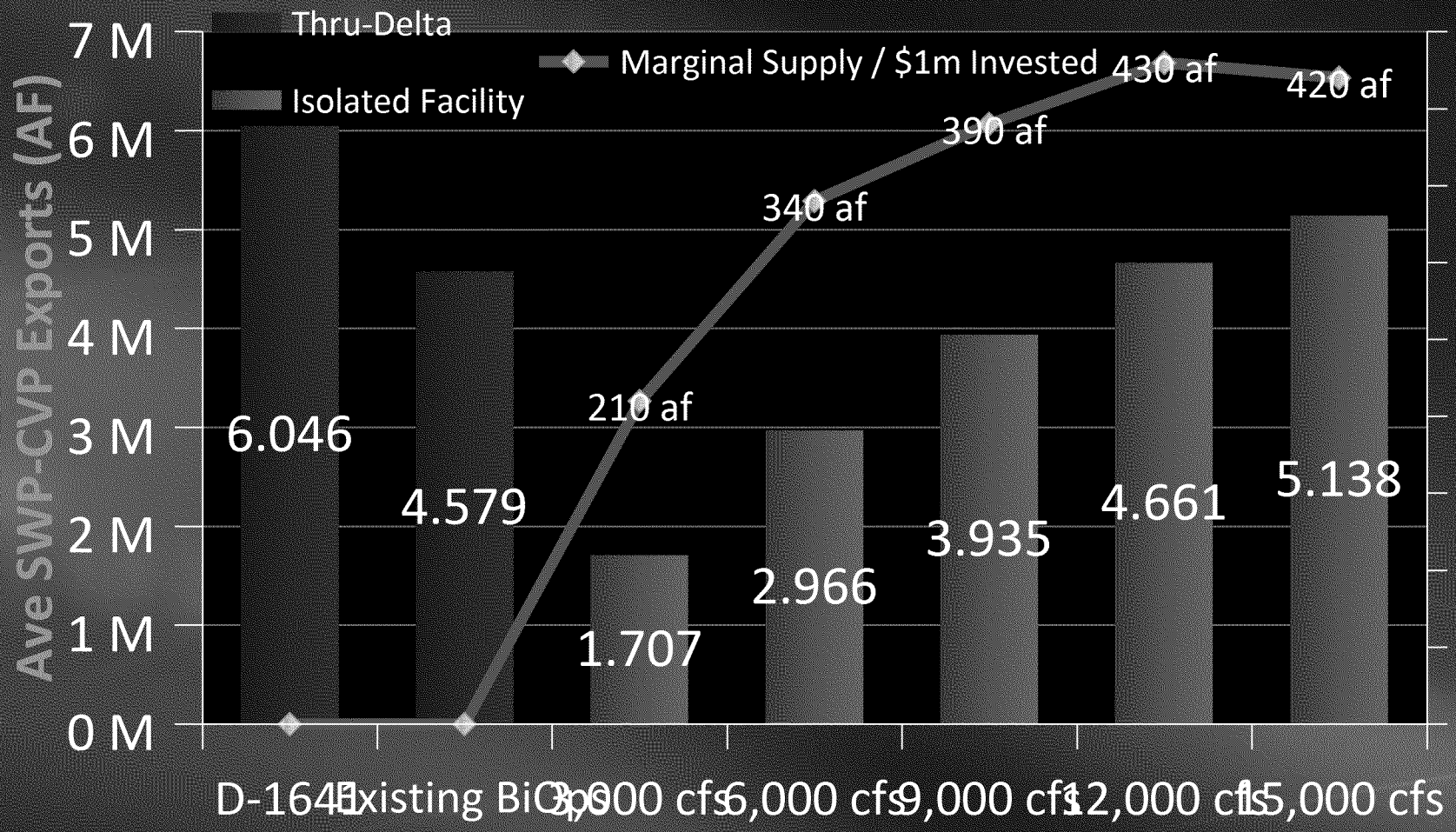
Preliminary Subject to Revision

ED_000733_DD_NSF_00075889-00007



New Delta Conveyance

Alt Future 3 – No South Delta Diversions



Preliminary Subject to Revision

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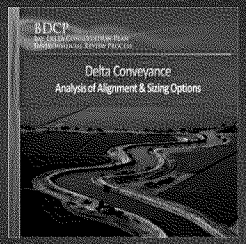
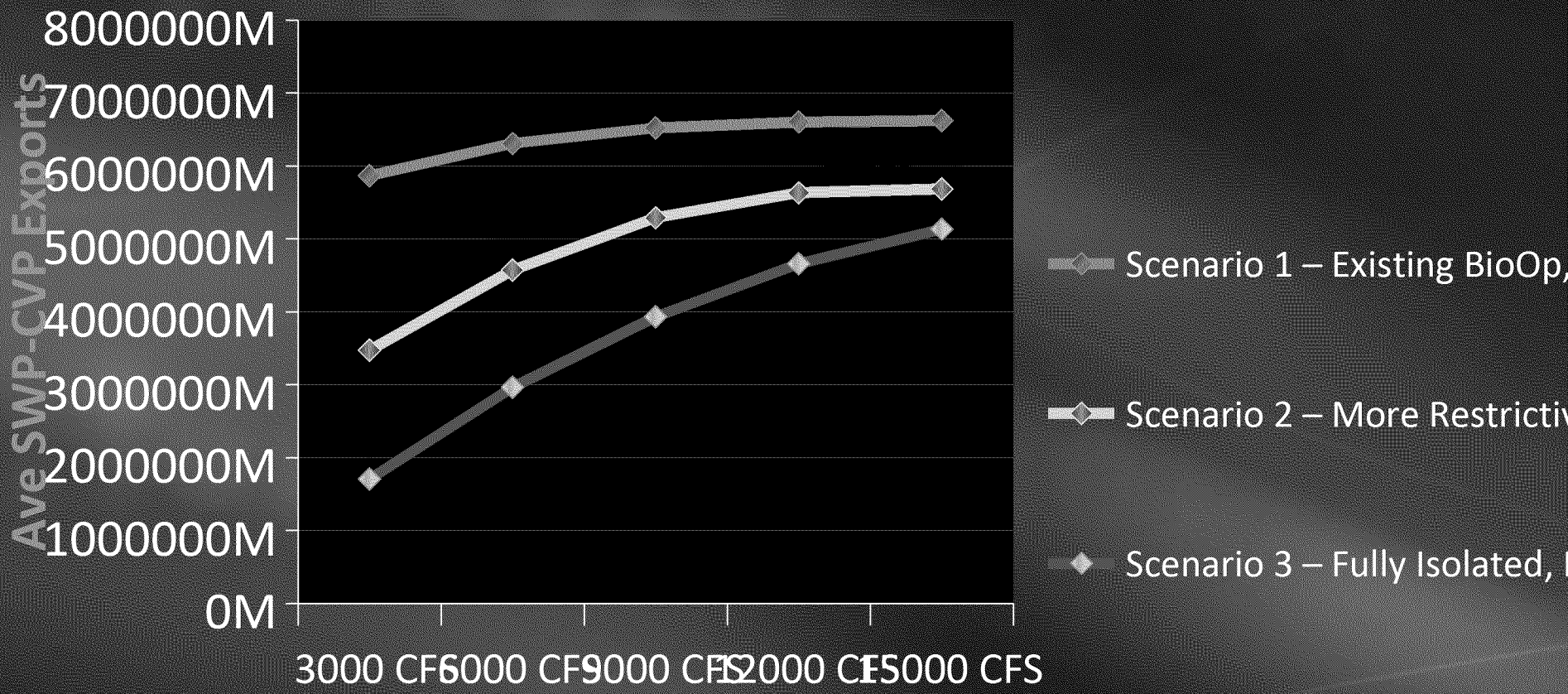


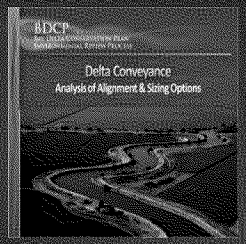
New Delta Conveyance

Water Supply – Alt Futures 1 thru 3



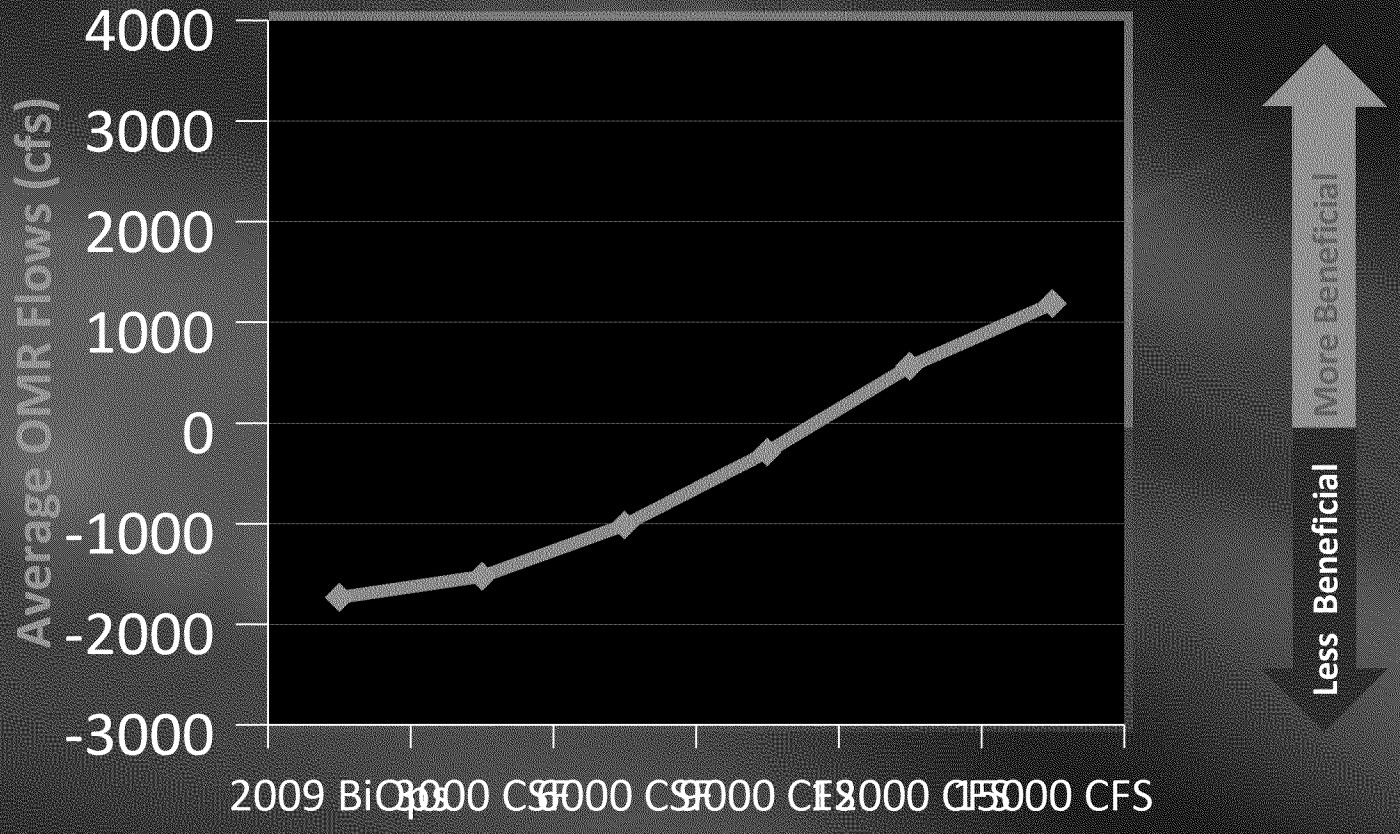
Preliminary Subject to Revision

ED_000733_DD_NSF_00075889-00009



New Delta Conveyance

Old & Middle River Flows - Scenario 1



Preliminary Subject to Revision

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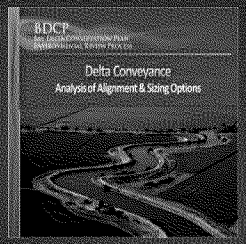
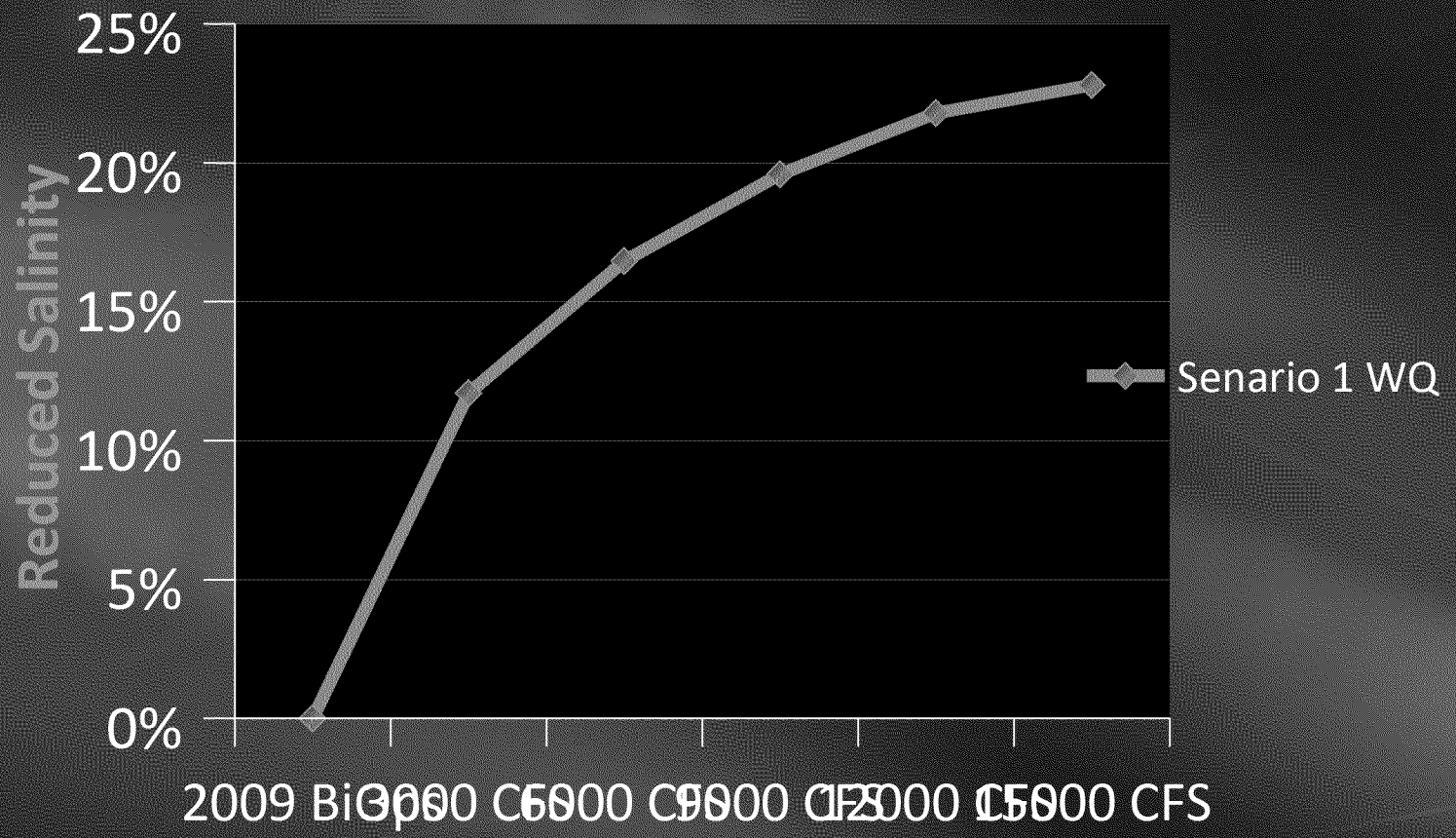


New Delta Conveyance

Improved Export Water Quality

Scenario 1



Preliminary Subject to Revision

Slides Still Needed

- Power Usage
- In-Delta Water Quality
- Scenario 4 – Increased Delta Outflow Requirement

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