



# ***Grid West***

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## ***An Update***

*PNUCC Meeting*

*6 May 2005*

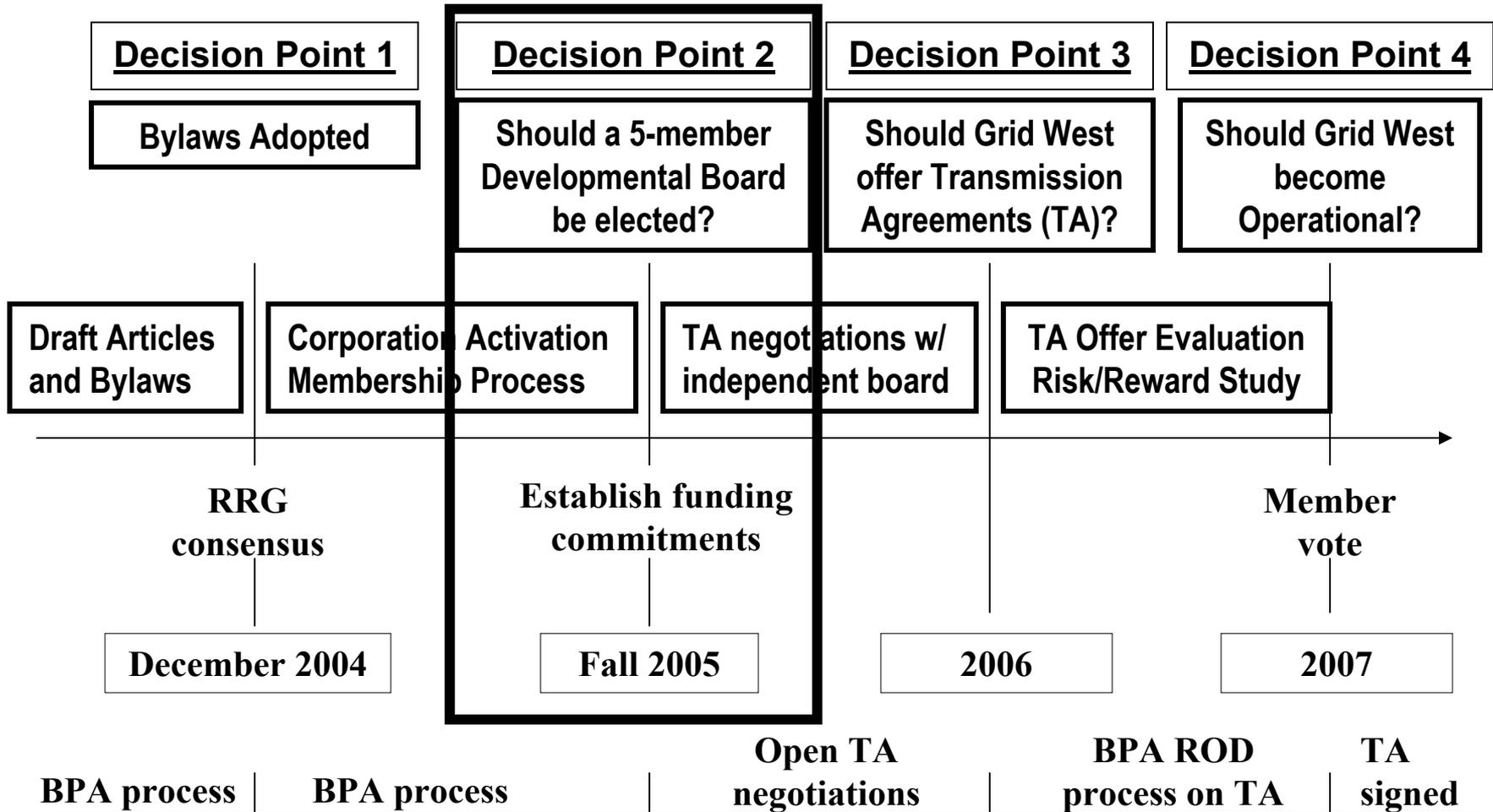
# ***Identified Transmission Problems***

- ***Underutilization of existing capacity in spite of full subscription:***
  - The contract path model fails to deal with actual flow effects.
  - There is no way to effectively trade transmission rights on a system-wide basis.
- ***Operational challenges:***
  - When path/line loading problems occur, they are not known in advance but appear without warning in real-time.
  - Individual transmission owner curtailments either under or over correct.
- ***Lack of transmission expansion:***
  - Requests for service must go through multiple providers.
  - Connection between regional planning and actual expansion is weak.
  - Cost recovery is uncertain without a means to establish long-term rights and consider beneficiaries.
- ***Lack of workable ancillary service markets.***

# *Tackling the Problems*

- ***Underutilization:***
  - Move to a flow-based system of physical transmission rights, i.e., standardized injection-withdrawal rights (IWRs).
  - Offer reconfiguration services to enable economically based trade in transmission rights.
- ***Operational challenges:***
  - Single-system view for issuance of transmission rights and scheduling
  - Day-ahead evaluation of system loading when there is time for adjustment.
- ***Expansion:***
  - A single queue for transmission service requests.
  - Clear definition of the long-term, system wide rights obtained by funding expansion (IWRs)
  - Planning with transmission adequacy backstops.
- ***Ancillary Services:***
  - Voluntary consolidation of control areas.
  - CCA reserve market and a real-time balancing service.

# Grid West Development Stages



**Technical Development,  
Risk Reward Analysis**

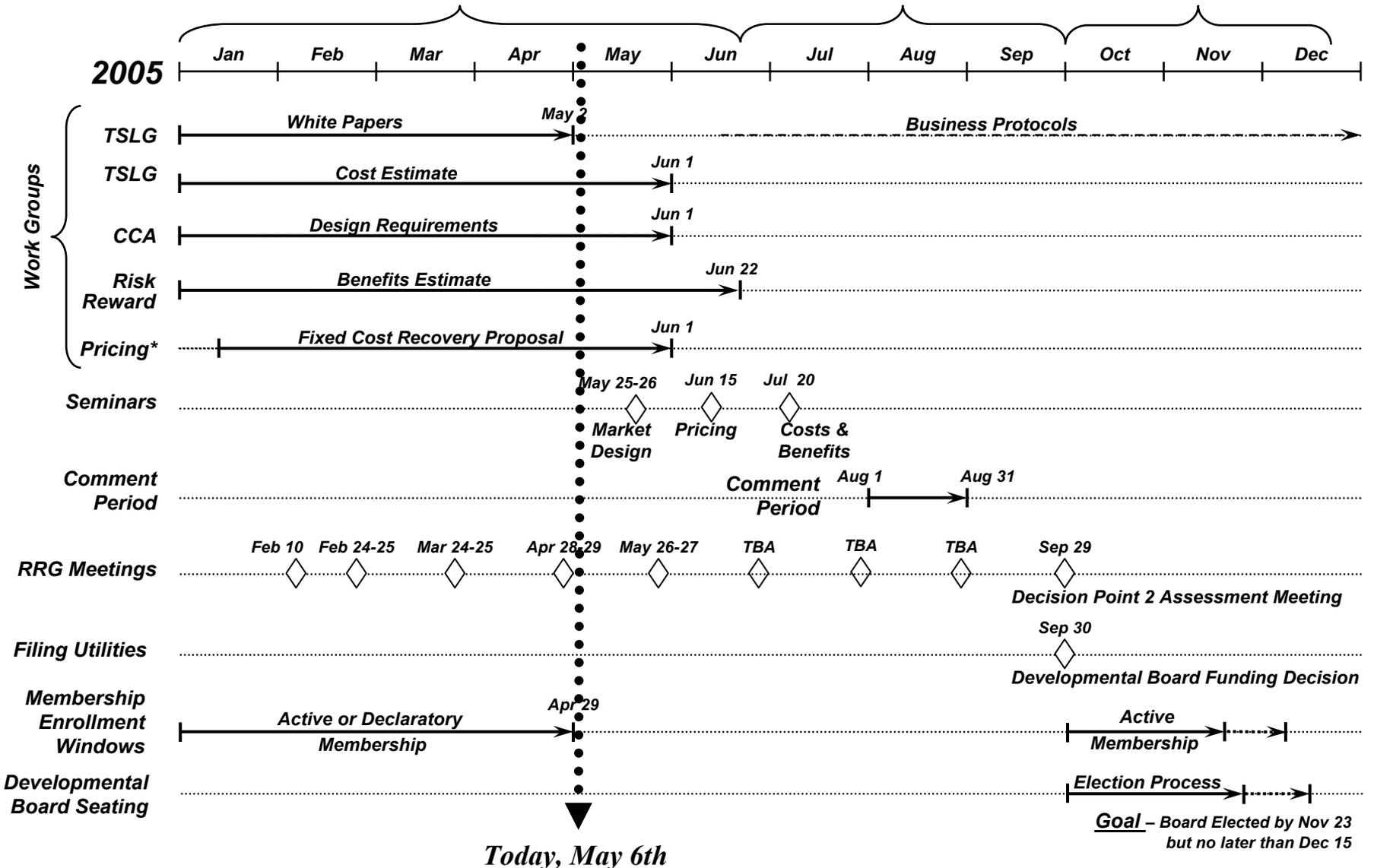
Note: Dates shown are the best current estimates and subject to change .

# Timeline for Developmental Board Seating

Information Production = 170 days

Review Period = 100 days

Bylaws Req. = 50 - 75 days



# ***What's Next?***

- ***Market and Operational Design Seminar***
  - May 25-26, 2005, Portland Airport Sheraton.
  - Overview paper available:
    - [http://gridwest.org/Doc/TSLG\\_MarketOverview\\_DraftMar72005.pdf](http://gridwest.org/Doc/TSLG_MarketOverview_DraftMar72005.pdf)
  - White papers posted next week
- ***Pricing Seminar***
  - June 15, 2005
- ***Cost-Benefit Seminar***
  - July 20, 2005