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ECC/NECC

Re-Evaluation Study Status

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Traffic Management Appointment Scheduling



- **Write Scope of Work specifying appointment scheduling tasks involving UMSL (May)**
- **Develop contractual mechanism and proposed budget (Jun)**
- **UMSL simulation model and analysis in determining traffic growth/congestion level where use of appointment scheduling would benefit the UMR System (Sep)**



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ASA(CW) Direction



- **Feasibility Report (Sep 04)**
 - **Notification Report – status at 3 years**
 - **Evaluation Report – updated models (~7 yrs)**

- **ASA(CW) Direction (Mar 06)**
 - **Updated economic analysis – 30 Sep 07**
 - **No. 1 priority**
 - **Take advantage of NETS progress**



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- **COL Gapinski guidance -**
 - **Priority 1 – complete Interim Report – 30 Sep 07**
 - **Priority 2 – Decision documents and P&S toward construction award**
- **Reallocate FY 06 funds**
- **Will be –**
 - **Fast paced**
 - **Require extensive coordination/interaction**



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Economics Study Steps



- 1. Traffic Base - NESP**
- 2. Transportation Rates - NESP (by TVA)**
- 3. Forecasts**
 - **Grain - NETS**
 - **Non-grain – NESP (by AE)**
- 4. Demand curves - NETS**
- 5. Survey Model - NETS**



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1. Traffic Base



- **Waterborne Commerce data**
 - Data on individual barges
 - Feas study 2000 data, now 2004 data

- **Aggregate to movements**
 - Sample (~1,300+ movements) to trans rates

- **What the traffic is now – Existing Conditions**



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2. Transportation Rates



- Rates for water, rail and truck
- Rates – cost today for transportation
- Establishes point on the demand curves



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3. Forecasts



- **Unconstrained traffic**
- **Assumption - can add traffic w/o congestion**
- **GRAIN**
 - **NETS forecasting model**
 - **Scenarios**
- **NON-GRAIN**
 - **Consultant**
 - **Estimated similar manner for Feas Study**



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4. Demand Curves



- **NETS developed**
 - **Example – Mid-America Grain Study**

- **Create demand curves**
 - **Price and quantity relationship**

- **Transportation rates provide 1 point, demand curves allow you to determine all**



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5. Survey Model

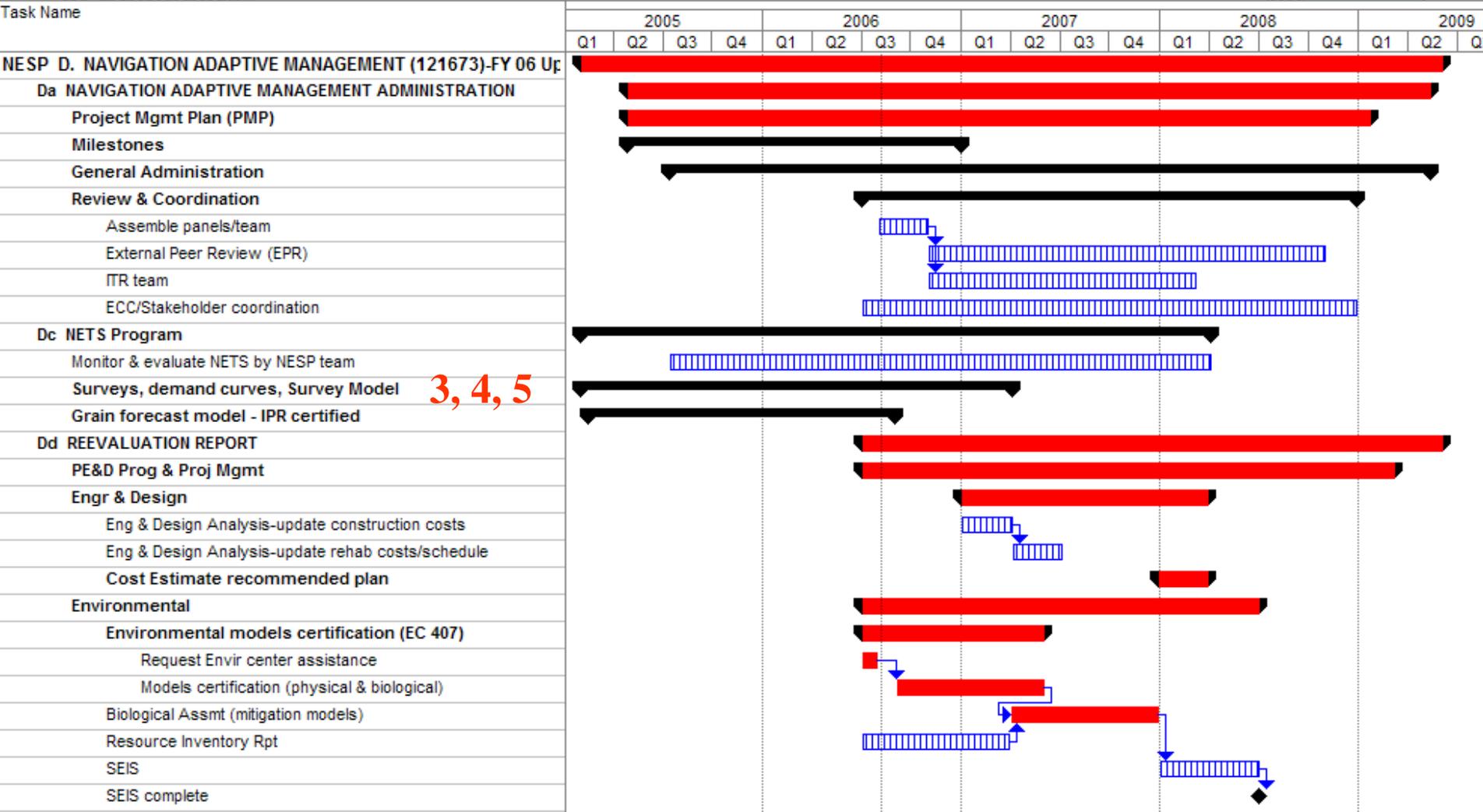


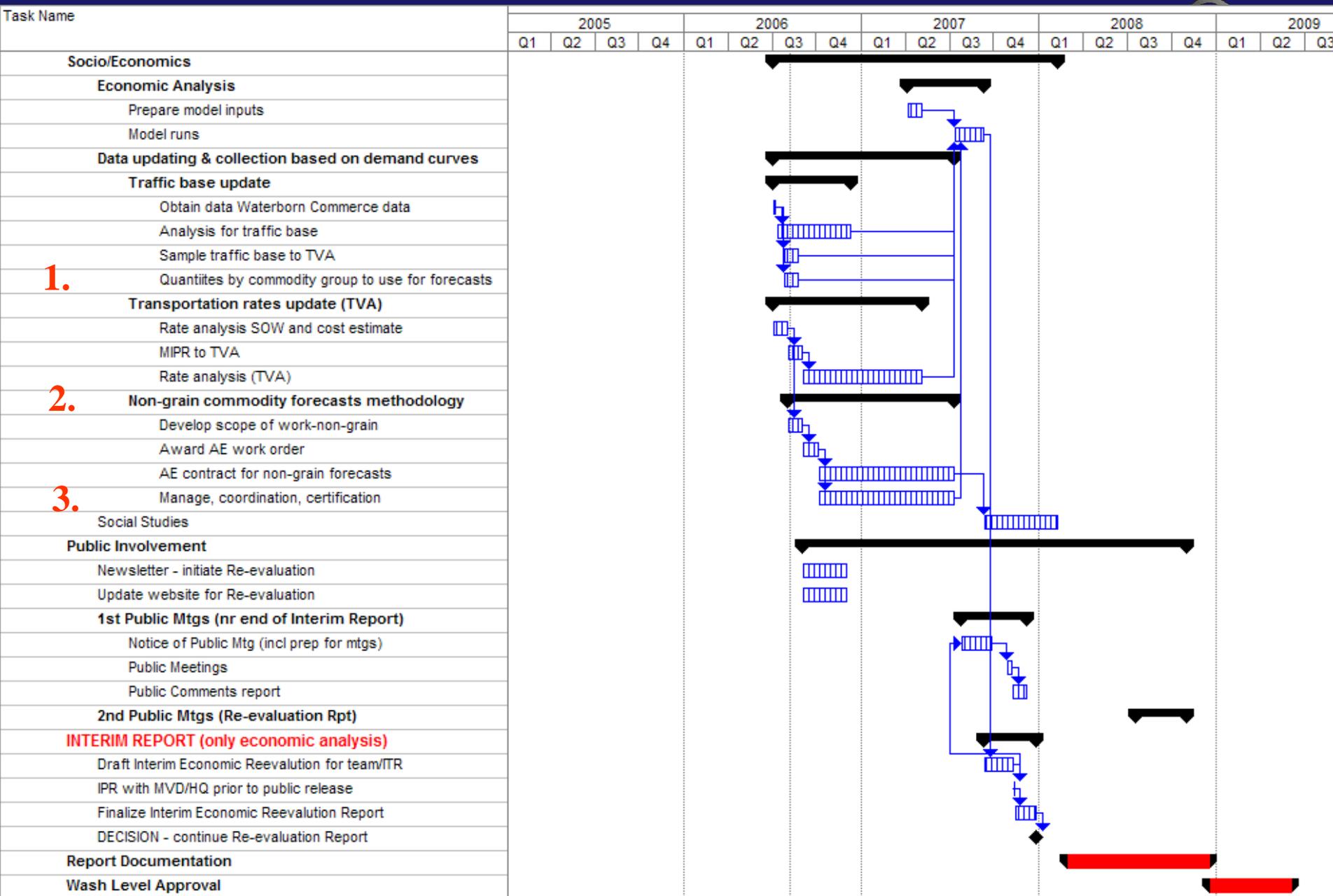
- **Input above data + lock performance**
- **Output – traffic and associated NED benefits for without condition**
- **Change lock performance, i.e., w/project**
- **Net of w/o project and w/project = benefits**



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Timeline







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Next – Update on the NETS Program