# GGS Project Cost Opportunities

- **Wet Scrubber and SCR option**
  - Sooner rather than later (start 2012, in service: U1 in 2015, U2 in 2016)
    - Low cost estimate is **$1.242 billion**
      - Cost estimate reductions due to less conservative inputs:
        - Reduced EPC fee
        - Lower contingency
        - Use of lower vendor quotes
        - Use of non-union labor
        - Use of today's lower catalyst cost
    - Base cost estimate is **$1.521 billion**
      - Reflects use of current conservative inputs
    - High cost estimate is **$1.664 billion**
      - Base cost estimate plus potential market volatility adders
  - Longer period for implementation (start 2014, in service: U1 in 2017, U2 in 2018)
    - Low cost estimate is **$1.269 billion**
      - Same as low estimate above but includes escalation for additional years
    - Base cost estimate is **$1.551 billion**
      - Same as Base estimate above but includes escalation for additional years
    - High cost estimate is **$1.697 billion**
      - Same as high estimate above but includes escalation for additional years
- **Scrubber first option (subtract SCR-related costs)**
  - Sooner rather than later (start 2012, in service: U1 in 2015, U2 in 2016)
    - Low cost estimate is **$895 million**
    - Base cost estimate is **$1.072 billion**
    - High cost estimate is **$1.149 billion**
  - Longer period for implementation (start in 2014, in service: U1 in 2017, U2 in 2018)
    - Low cost estimate is **$915 million**
    - Base cost estimate is **$1.096 billion**
    - High cost estimate is **$1.149 billion**