



# Nova Scotia OFFSHORE

## Building Momentum Offshore Nova Scotia

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Department of Energy



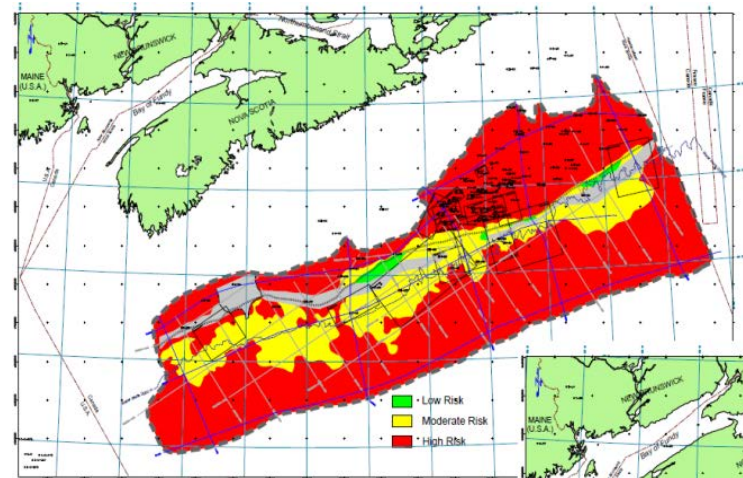
NEW GEOSCIENCE. NEW OPPORTUNITY.



- **Play Fairway Analysis (PFA)**
  - Results
- **Recent Calls For Bids**
  - Investment (where, by whom)
- **2013 Geoscience Initiatives**
  - Next steps
- **Future Calls**

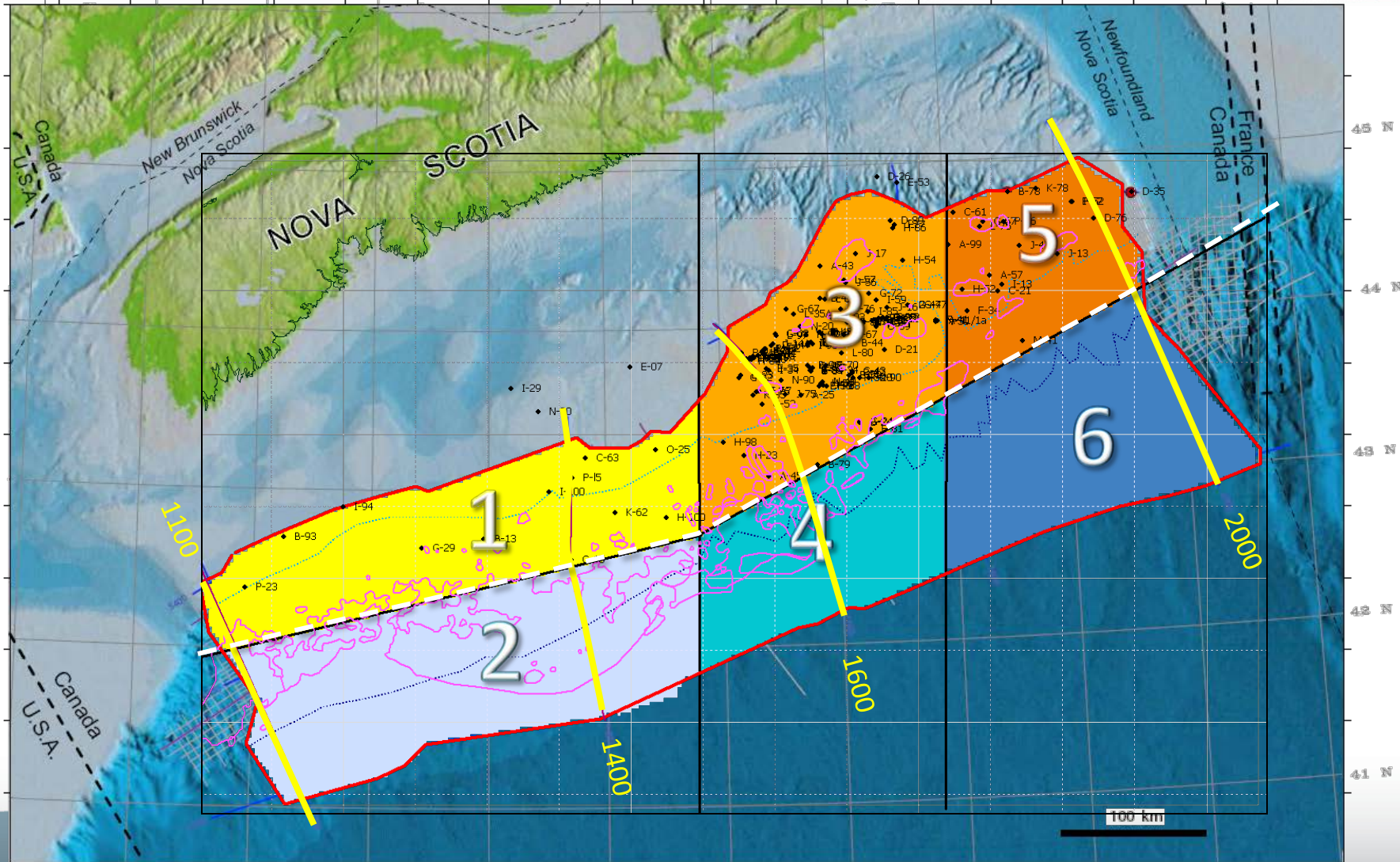
# Play Fairway Analysis (PFA)

- Industry Standard Comprehensive Analysis
- New Oil Paradigm (Early Jurassic source)
- Main Source Rocks
  - Upper Jurassic
  - Lower Jurassic (New)
- Main Play Systems
  - Jurassic carbonates (reef and oolites)
  - Upper Jurassic (clastics)
  - Lower Cretaceous (delta and turbidites)
- Resource Potential
  - In place potential: **120 TCF** gas and **8 Bbbls** oil



# Play Fairway Analysis (PFA) – Results

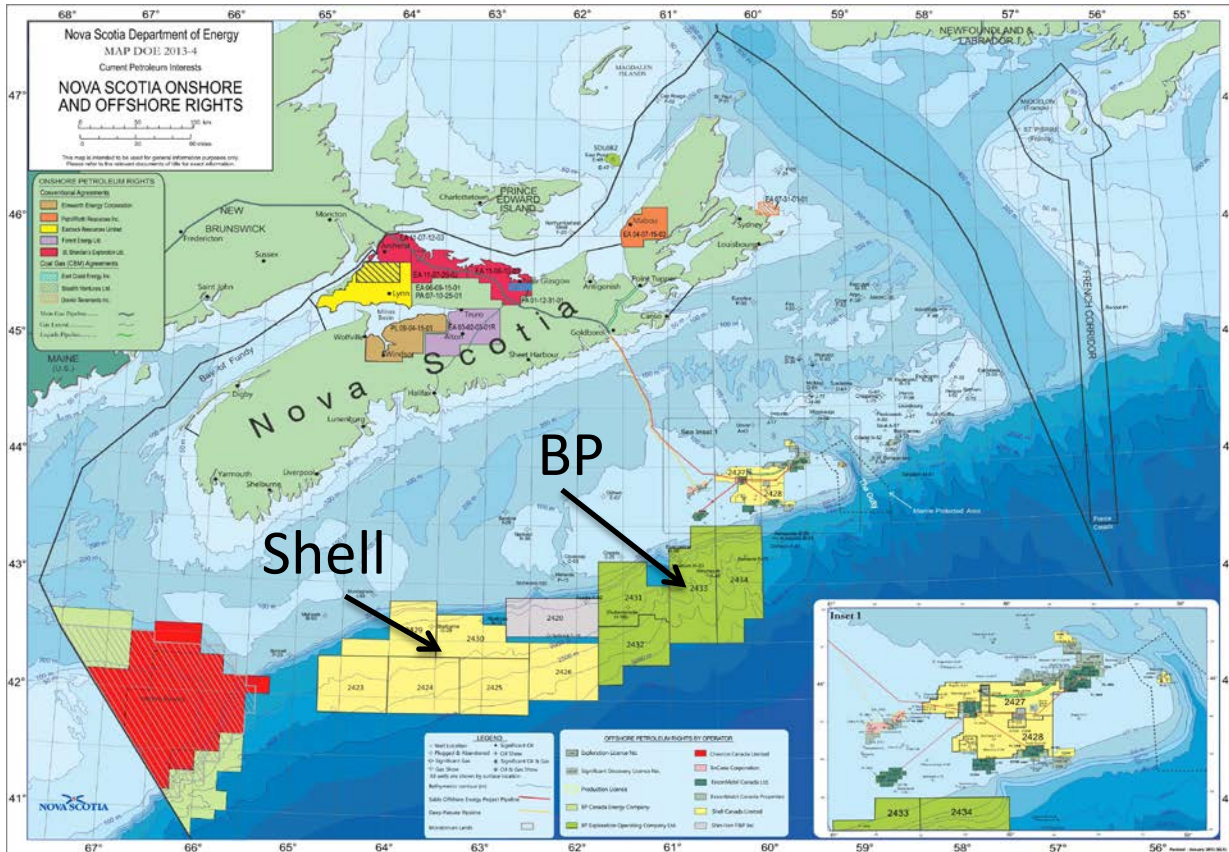
8 billion barrels oil and 120 tcf gas potential



14/02/2013

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# Call Results: Shell & BP (\$2 Billion)



## NS12-1 Results:

Shell:  
4 parcels  
\$32M

BP:  
4 parcels  
\$1.050B

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## NS11-1 Results:

Shell:  
4 parcels  
\$970M

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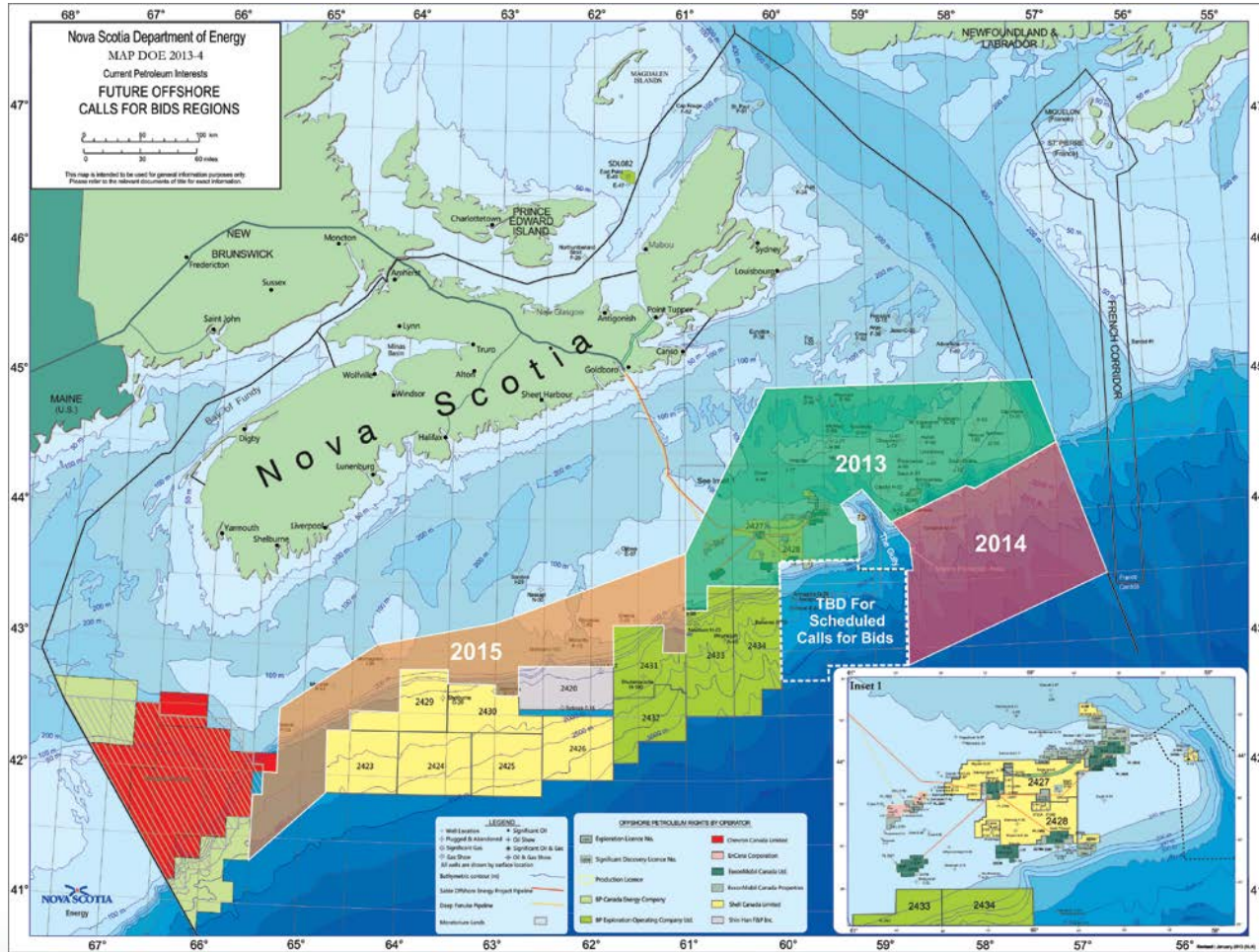
## Summary

Shell: 8 parcels @\$1.002B

BP: 4 parcels @ \$1.050B

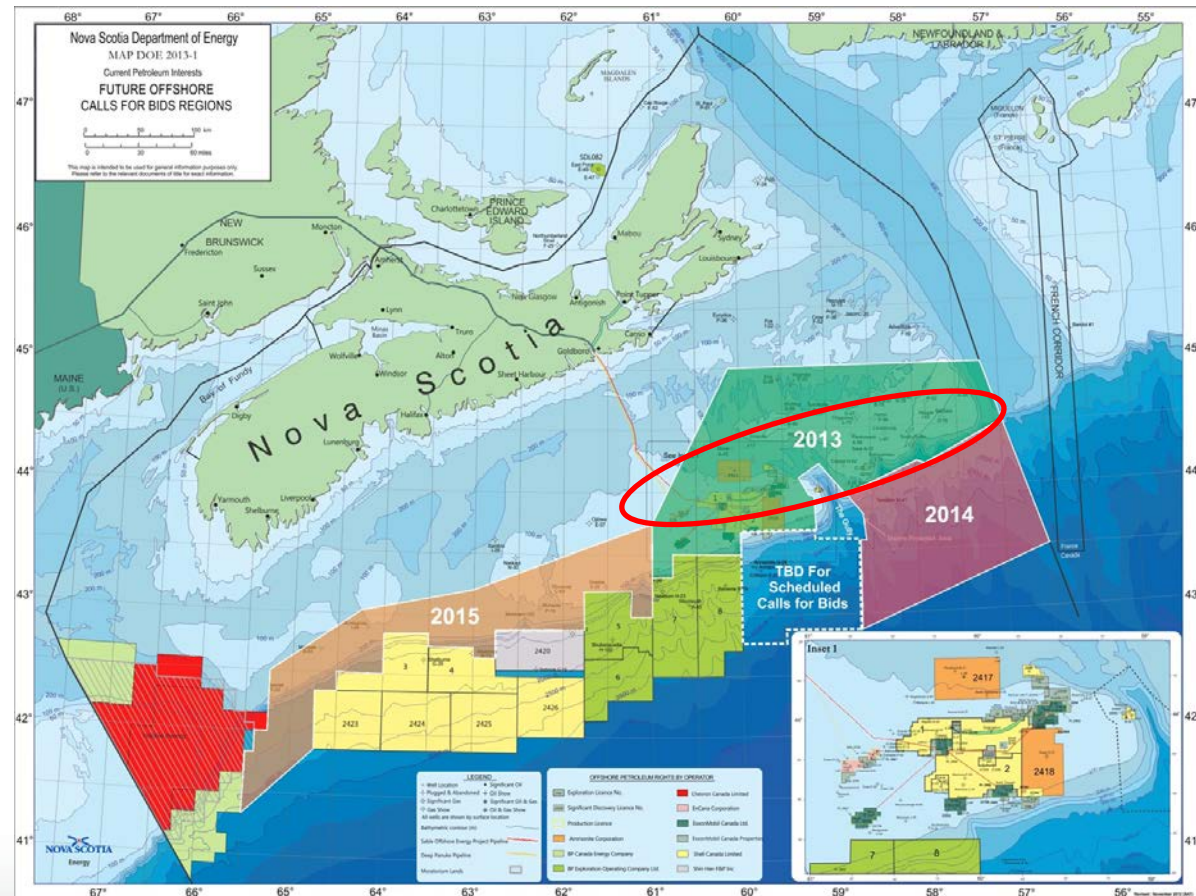
Total post PFA: 12 parcels @ \$2.052B

# Multi Year Rights Issuance Plan



# PFA AREAS (5&6)

- **Multiple Petroleum Systems**
  - Gas/condensate + oil plays
  - Frontier oil play gaining global exposure
- **New Petroleum System**
  - Early Jurassic marine source
- **Multiple Reservoir Possibilities**
  - Major proven delta (Sable)
  - Clastic input along margin and south west
  - Carbonate bank
- **Distributed over multiple plays**
  - ~3-5% of expelled HCs trapped



# Our 2013 Geoscience Work Program

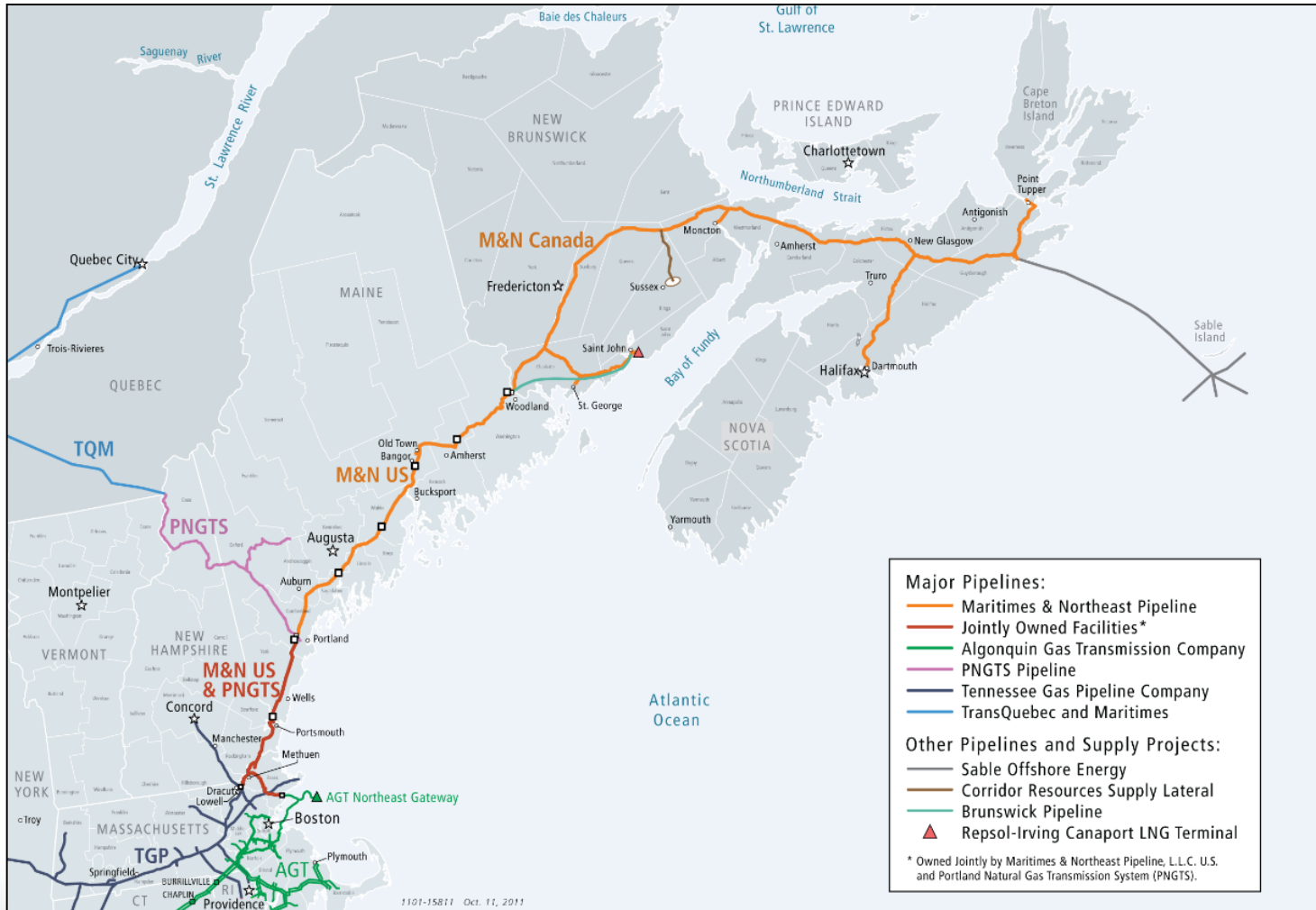


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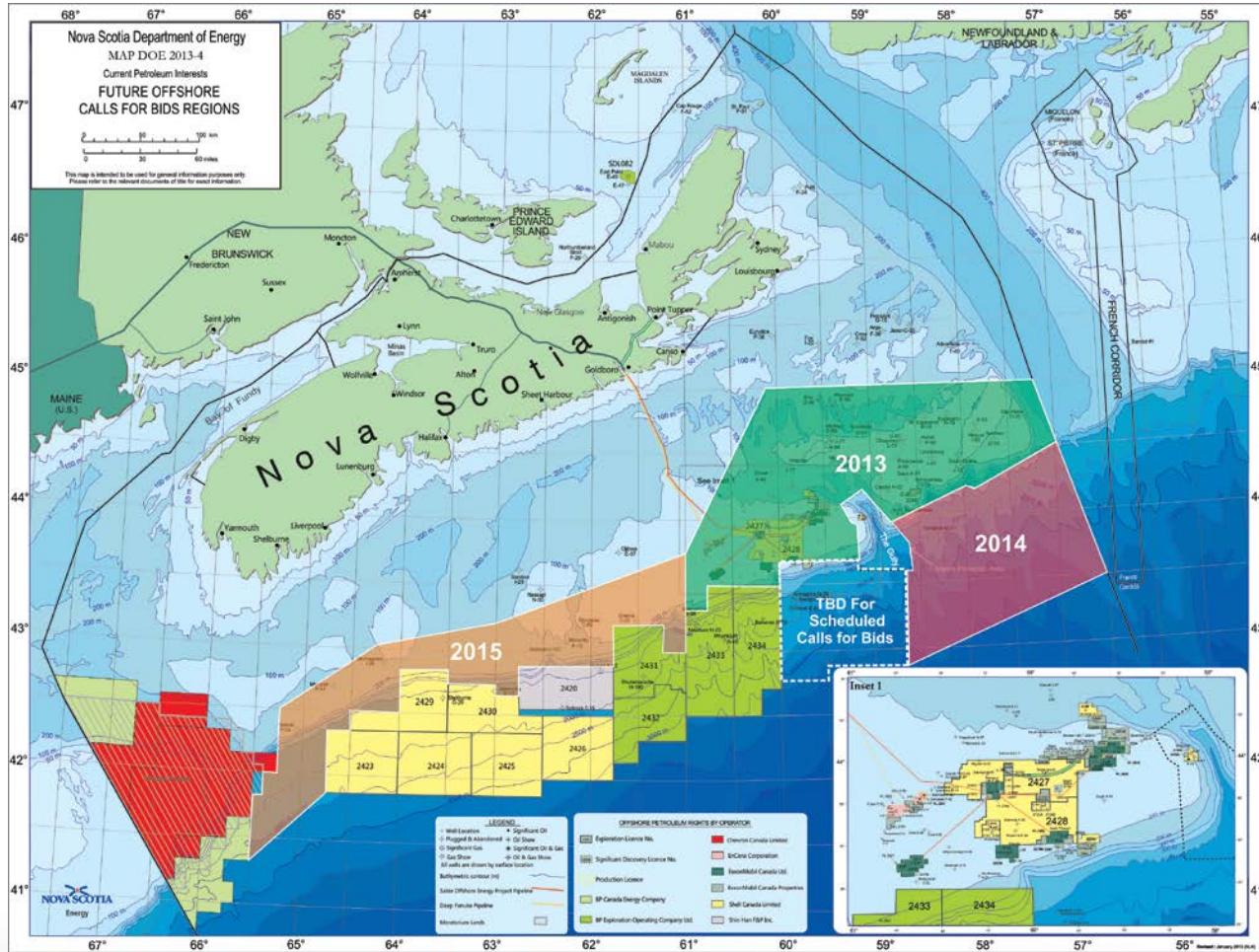
- **Rock Physics**
  - Seismic attributes correlated to DHI's ?
- **Seismic Data Enhancements**
  - Reprocess seismic to hence our geological understanding
- **Geochemistry**
  - To further define the extent of the Jurassic oil rim
- **New Mapping**
  - Describing the Yet to Find in Post PFA terms



# Natural Gas Distribution



# Multi Year Rights Issuance Plan





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Department of Energy – Booth #949

Thank you



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