

LNG Rail Transportation Initiatives

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Objectives

PHMSA Proposes LNG Rail Transportation Research Projects in these Subject Areas:

- **Evaluation of Liquefied Natural Gas (LNG) Rail Transportation.**
- **Review of Packaging Standards for LNG Rail Transportation.**
- **Assessment of LNG Rail Transportation Operations.**
- **Determine if a New Rail Tank Car Design(s) is needed to meet Future Transportation.**



Background

Current LNG Rail Transportation Regulations:

- **LNG Rail Shipments Require Approval from the Federal Railroad Administration.**
- **Packaging Authorized for Rail Transportation is an United Nations Specification T75 Portable Tank.**
- **UN T75 Portable Tanks are Authorized for Other Modes.**
- **Rail Tank Car Standards for LNG are not Established.**



Project Schedule/Funding Estimates

PHMSA has an Estimated \$1.4 Million in Funds for LNG Rail Transportation Projects.

Estimated Schedule:

- **Presentation at Forum April 2015.**
- **Finalize Projects and Complete Statement of Work (3 Minimum) July 2015.**
- **PHMSA Prioritize/Create PR (Based on Evaluation Group) October 2015.**
- **Contract/Begin Projects Jan/Feb 2016.**



Expected Deliverables

- **Development of LNG Rail Transportation Regulations.**
- **Potential Impact(s) of LNG Rail Transportation.**
- **Development of LNG Rail Transportation Risk Assessment/Profile.**
- **Intermodal LNG Packaging Testing Results.**
- **Foundation(s) to Progress to LNG Rail Tank Car Regulations.**

