# VTI Economics Model – Webinar Update 2020

March 25<sup>th</sup> 2020



## Agenda

- 1. Introduction of ICRI Economics Group and ICRI VTI Economics Model
- 2. Major Updates since July 2019 ICRI Workshop
- 3. Demonstration Online ICRI Economics Software
- 4. Invitation to Next Steps and Beta Testing



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### **ICRI-RCF VTI Economics Group**

















#### Goals of ICRI Economics Model

1. Third Party "Open Source" Model, but Built by Railroads

2. Data Available from <u>Different Departments/Specialties</u>

3. <u>Decision Support Tool</u> of Costs and Benefits



Why use ICRI Economics Model?

1. Find New Savings and Innovations

2. Compete and Protect Important Projects

3. Improve Partnerships of Railroad and Supplier



Learning – Three Questions ICRI Economics Model Can Help Answer

1. Should Railroads Invest More in Preventive Maintenance?

2. Where Should Railroads Invest More in Preventive Maintenance?

3. How Much Should Railroads Invest in Preventive Maintenance?



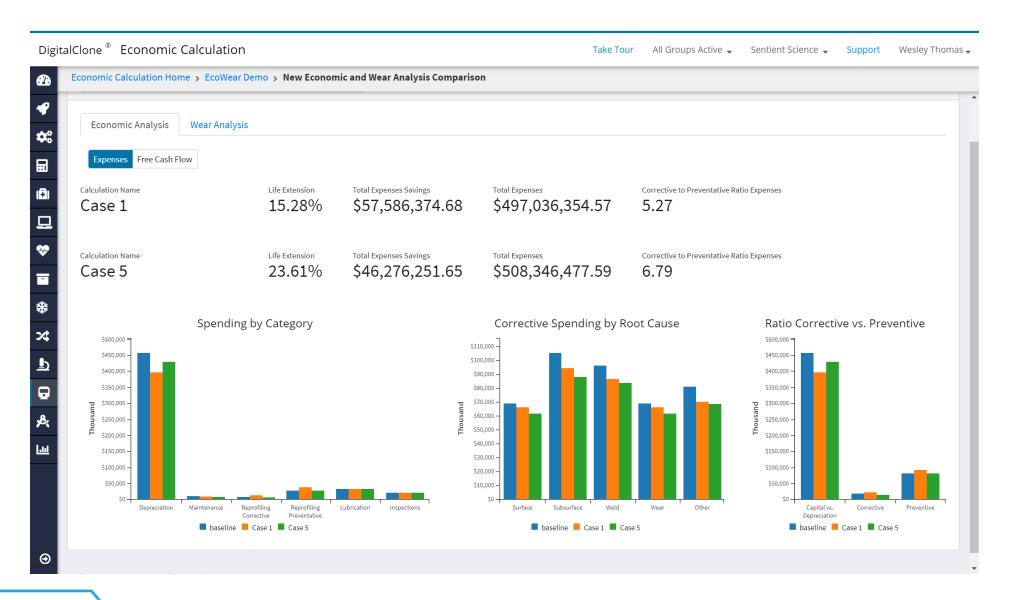
## Main Updates

- July 2019 ICRI Economics Model Beta Test Launched as Online Application
- July 2019 March 2020: 12 Beta Tests Complete, 4 Version Updates
- March 2020: 22 Total ICRI Economic Models Created and Contributed
  - 5 freight railroads
  - 13 transit agencies
  - 3 universities
  - 1 rail service provider



#### **ICRI** Economics Model Demonstration







## Next Steps – Engage with Us

- 1. Beta Testing for ICRI Economics Model Online
- Add More Users to ICRI Economics Model
  - US Class 1 and Transit Agencies
  - UK and Europe
  - South America
  - Australia and Asia Pacific
  - Universities and Service Providers
- 3. Use ICRI Economic Model for Decisions
  - Preventive Grinding Optimization
  - Rail Material Decisions
  - Lubrication Investments
  - Wheel Life Extension
- 4. Add More Factors to Model
  - Fuel Efficiency
  - Fasteners
  - Safety and Risk Management



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