

**From:** [Kevin Rice](#)  
**To:** [Buckley, Maggie](#)  
**Cc:** [Phoebus, Elizabeth \(Betsi\)](#); [Assenza, Adam](#); [Korte, Abby/MSP](#); [Urry, Doug](#)  
**Subject:** Pirate I/L Additional Info Tier 2-H  
**Date:** Friday, February 4, 2022 4:32:56 PM  
**Attachments:** [Data Requests Key.pdf](#)

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Maggie:

I have placed additional info, Tier 2-H, out on the ftp site. This is the Air (Operational) data in addition to Tier 1-G.

For reference, I have also attached my Tier naming system.

Thanks,

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UPRR Technical Data Request

| Priority Level | Data/Information Needed                                                                                                                                                                                                                                 | Resource               |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| Tier 1         | <b>A</b> Current design (CADD, kmz, and PDF)                                                                                                                                                                                                            | Multiple resources     |
|                | <b>B</b> Existing documentation of design development process/considerations/decisions/issues                                                                                                                                                           |                        |
|                | <b>C</b> Existing documentation of alternatives analysis process/considerations/decisions/issues                                                                                                                                                        |                        |
|                | <b>D</b> Written project description, including clarification of potential types of road crossings, construction phasing, construction staging, access routes, track miles to be built, equipment types, and amount of material to be exported/imported |                        |
|                | <b>E</b> Right-of-way needs; status of any coordination or negotiation with landowners and land-managing agencies                                                                                                                                       |                        |
|                | <b>F</b> Current status of rights-of-entry along entire alignment (~20 parcels)                                                                                                                                                                         |                        |
|                | <b>G</b> Frequency of train movements, number of railcars per train, locomotive engine fuel type, horsepower rating, and model years for the build alternative                                                                                          | Air (operational data) |
| Tier 2         | Locations of extended train idling and idling time per trip for the build alternative                                                                                                                                                                   | H                      |
|                | Equipment type, fuel type, power rating, and hours of operation for any new stationary equipment with the potential to emit air pollutants (e.g., generators, heaters, etc.)                                                                            |                        |
|                | Equipment type, fuel type, power rating (if available), and hours of operation for any additional mobile equipment to be used during project operation (e.g., cranes, forklifts, loaders, etc.)                                                         |                        |
|                | Number of additional trips and approximate roundtrip distance for additional project-related vehicle activities (e.g., increased haul truck trips or additional worker commute trips)                                                                   |                        |
|                | Additional electricity needed, and, if available, electricity provider                                                                                                                                                                                  |                        |

## UPRR Technical Data Request

| Priority Level | Data/Information Needed                                                                                                                                                                                                                                                                                             | Resource                            |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
|                | For each construction phase:<br>1. Schedule, equipment type and quantity, fuel type, horsepower rating (if available), and hours per day<br>2. Haul truck trip information including number of trips and trip distance<br>3. Number of worker commute trips and trip distance<br>4. Acres to be disturbed per month | Air (construction data)<br><b>I</b> |
|                | Frequency and speed of train movements                                                                                                                                                                                                                                                                              | Noise<br><b>J</b>                   |
|                | Locomotive engine type and cars per train                                                                                                                                                                                                                                                                           |                                     |
|                | Level of employment during construction/if the PIRATE line would change employment numbers at the facility it serves                                                                                                                                                                                                | Socio/EJ<br><b>K</b>                |
|                | Train/locomotive operations data (e.g., locomotive power rating, train travel frequency, and number of railcars per trip)                                                                                                                                                                                           | Railroad Traffic<br><b>L</b>        |
|                | Existing conditions RTC model of the affected area, including applicable existing trains and operating assumptions                                                                                                                                                                                                  |                                     |
|                | Additional operating parameters as required (e.g., minimum/ maximum train lengths, expected train and crew start and tie-up locations, expected industry servicing windows, and interchange requirements)                                                                                                           |                                     |
|                | Any other parameters that may affect train operations on the PIRATE Industrial Lead and on the Phoenix Subdivision that UPRR deems necessary for reasonable and accurate simulation results                                                                                                                         |                                     |
|                | Additional modeling parameters, based on length of required model runs and event randomization, including model-generated and other concerns (e.g., projected daily variances in inbound and outbound loaded and empty cars)                                                                                        |                                     |