



# FLORIDA DEPARTMENT OF Environmental Protection

Bob Martinez Center  
2600 Blair Stone Road  
Tallahassee, FL 32399-2400

**Ron DeSantis**  
Governor

**Jeanette Nuñez**  
Lt. Governor

**Shawn Hamilton**  
Interim Secretary

## Diesel Emissions Reduction Act Switcher Locomotive Replacement and Repower Application Worksheet

### Project Applicability:

This grant application worksheet is available for owners of switcher locomotives who wish to apply for partial reimbursement of a zero emission switcher locomotive or the cost to convert a diesel switcher locomotive to a zero emission power plant within Air Quality Priority Areas as specified in [Florida's Beneficiary Mitigation Plan](#). This funding will be available for owners to replace their eligible switcher locomotive with tier rating Unregulated through Tier 2. Eligibility requirements may be found in the U.S. Environmental Protection Agency's (EPA) Diesel Emissions Reduction Act (DERA) [grant program guide](#). An excerpt table from the program guide showing current and replacement engine eligibility is shown below:

### Locomotive and Locomotive Engine Project Eligibility (Highlighted in yellow)

| Current Locomotive Tier | Engine & Locomotive Replacement |        |        |                            |
|-------------------------|---------------------------------|--------|--------|----------------------------|
|                         | Tier 0-2+                       | Tier 3 | Tier 4 | Zero Emission <sup>1</sup> |
| Unregulated – Tier 2+   | No                              | Yes    | Yes    | Yes                        |

<sup>1</sup>Fuel cell engine and locomotive replacements are not eligible.

Note: Tier 0+, Tier 1+, Tier 2+, Tier 3, and Tier 4 represent locomotives manufactured or remanufactured under the more stringent Tier standards promulgated under the 2008 (current) locomotive and marine rule. Tier 0, Tier 1, and Tier 2 represent locomotives originally manufactured or remanufactured under the less stringent Tier standards promulgated in 1997.

No funds awarded under this program shall be used to replace switcher locomotives that operate fewer than 1,000 hours per year during the two years prior to the project.

### Project Description:

The Department of Environmental Protection (Department) intends to make this round of DERA funding available to owners who wish to replace an eligible switcher locomotive with a new zero-emission switcher locomotive or repower a diesel switcher locomotive with a zero-emission power plant. The Department will reimburse the owner up to 45 percent of the total cost of a zero-emission switcher locomotive replacement or 60 percent of a zero emission repower of a diesel switcher locomotive.

As a condition of participating in this DERA project, the owner of the switcher locomotive must provide, to the Department, evidence that the owner has scrapped or permanently disabled the replaced switcher locomotive and/or engine within thirty (30) days of receipt of the new unit.

Any owner of an eligible switcher locomotive and/or engine that submits this worksheet and enters into a grant agreement with the Department must complete the scope of work and submit all invoices and support materials to the Department within strict state budget and federal funding parameters.

The Department intends to make project funds available to all eligible applicants that submit this worksheet by Monday, September 27, 2021. Awards are subject to availability of funds as allocated under EPA’s DERA program and state budget authority. Priority will be given to projects that provide high emissions benefits, can be completed in a timely manner, and will encumber significant amounts of available funding. If the number of eligible projects submitted exceeds the available funding for this notice, the Department reserves the right to partner with applicants in the future. The Department reserves the right to reject any and all bids or accept minor irregularities in the best interest of the State of Florida. Switcher locomotives are only eligible for funding if the primary activity of the project unit is to provide services within the state of Florida.

Once the Department has identified project partners for this round, the Department will prepare grant agreements specific to each project partner. Each grant agreement will include a detailed scope of work, timeline, and reimbursement schedule. All interested parties must complete and send this application worksheet to [VWMitigation@FloridaDEP.gov](mailto:VWMitigation@FloridaDEP.gov).

| <b>Applicant Information – Switcher Locomotive Replacement or Repower Project</b>   |                   |             |                           |   |                                  |
|---|-------------------|-------------|---------------------------|---|----------------------------------|
| 1) Applicant’s name:  |                   |             |                           |   |                                  |
| 2) Authorized corporate officer or partner’s name:  |                   |             |                           |   |                                  |
| 3) Street address:  |                   |             | 4) City:                  |   |                                  |
| 5) State:   |                   | 6) Zip:     |                           | 7) County:                              |                                  |
| 8) Mailing address if different than above:   |                   |             | 9) City:                  |   |                                  |
| 10) State:  |                   | 11) Zip:    |                           | 12) County:                             |                                  |
| 13) Email address:  |                   |             | 14) Contact phone:        |   |                                  |
| 15) Is the project located in an Air Quality Priority Area?   |                   |             |                           | <input type="checkbox"/> Yes            | <input type="checkbox"/> No      |
| 16) Is the project a whole switcher replacement or an engine only repower? (Check one box to the right)   |                   |             |                           | <input type="checkbox"/> Whole Switcher | <input type="checkbox"/> Repower |
| 17) Please complete the following table requesting locomotive and engine specific information:  |                   |             |                           |   |                                  |
| Horsepower  | Engine Model Year | Engine Tier | Annual Hours of Operation | Annual Fuel Gallons                     | Estimated Total Project Cost     |
|   |                   |             |                           |   |                                  |
|   |                   |             |                           |   |                                  |
| 18) Does the intended project unit carry sufficient documentation to verify all requirements and each piece of information listed above? (Check one box to the right) |                   |             |                           | <input type="checkbox"/> Yes            | <input type="checkbox"/> No      |

Note: Please reference the 2021 DERA Grant Program Guide to determine if your diesel engine is eligible to be replaced