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## Environmental Performance Commitments

### Air Quality

Use ultra-low sulfur diesel fuel in off-road construction equipment with engine horsepower (HP) rating of 50 HP and above

Where practicable, use diesel engine retrofit technology in off-road equipment to further reduce emissions. Such technology may include Diesel Oxidation Catalyst/Diesel Particulate Filters, engine upgrades, engine replacements, or combinations of these strategies.

Limit unnecessary idling times to 3 minutes.

Locate diesel powered engines away from fresh air intakes.

Control dust related to construction site through a Soil Erosion and Sediment Control Plan that includes, among other things, the following measures:

- a. The spraying of a suppressing agent on dust pile (non-hazardous, biodegradable);
- b. containment of fugitive dust; and
- c. adjustment for meteorological conditions as appropriate.

### Noise and Vibration

Where practicable, schedule individual project construction activities to avoid or minimize adverse impacts.

Coordinate construction activities with projects under construction in adjacent and nearby locations to avoid or minimize impacts.

Consider condition of surrounding buildings, structure, infrastructures, and utilities, where appropriate.

Prepare contingency measures in the event established limits are exceeded.

### Cultural and Historic Resources

Establish coordination between projects to avoid or minimize interruption in access to cultural and historic sites.

Initiate public information and involvement outreach with sensitivity to local cultural resources.

Identify existing information sources that would be providing current information about access during construction.

Consult with the New York State Office of Historic Preservation and the New York City Landmarks Preservation Commission regarding potentially impacted, culturally significant sites. Monitor noise and vibration during construction at such sites as appropriate.

### Access and Circulation

Establish a project-specific pedestrian and vehicular maintenance and protection plan.

Promote public awareness through mechanisms such as:

- a. signage;
- b. telephone hotline; and
- c. web site updates

Ensure sufficient alternate street, building, and station access during the construction period.

Maintain regular communication with New York City Department of Transportation and participation in its construction coordination efforts.

### Economic Effects

Coordinate with LMDC and Downtown Alliance and other entities to minimize residential and retail impacts as required through:

- a. relocation assistance, as applicable, to persons or businesses physically displaced by the project; and
- b. focus on essential businesses and amenities to remain in Lower Manhattan

Add appropriate signage and way finding for affected businesses and amenities

### Environmental Design (Operational)

Use Energy Efficiency/Renewable Energy appliances and equipment

Employ Enhanced Indoor Environmental Quality (IEQ) guidelines, where possible

Conserve, reuse, and recycle Materials and Resources

Use Green Design/Design for Environment principles for Operations and Maintenance items.

Employ Water Conservation and Site Management techniques

Implement sound Waste Management and Recycling policies (during construction).