SUSTAINABILITY AND EFFICIENCY MEASURES

The following measures are based on the suggested measures located in New York State Department of Environmental Conservation's policy, *Assessing Energy Use and Greenhouse Gas Emissions in Environmental Impact Statements*, located at http://www.dec.ny.gov/docs/administration_pdf/eisghgpolicy.pdf.

BUILDING DESIGN AND OPERATION MEASURES

- Design an energy efficient building envelope to reduce cooling/heating requirements.
- Install high-efficiency HVAC systems.
- Construct green roofs.
- Eliminate or reduce use of refrigerants in HVAC systems.
- Use high-albedo roofing materials.
- Maximize interior daylighting.
- Reduce energy demand using peak shaving or load shifting strategies.
- Incorporate window glazing to optimize daylighting, heat loss and solar heat gain.
- Incorporate super insulation to minimize heat loss.
- Incorporate motion sensors and lighting and climate control.
- Use efficient, directed exterior lighting.
- Use water conserving fixtures that exceed building code requirements.
- Re-use gray water and/or collect and re-use rainwater.
- Provide for storage and collection of recyclables (including paper, corrugated cardboard, glass, plastic and metals) in building design.
- Re-use building materials and products.
- Use building materials with recycled content.
- Use building materials that are extracted and/or manufactured within the region.
- Use rapidly renewable building materials.
- Use wood that is locally produced and/or certified in accordance with the Sustainable Forestry Initiative or the Forestry Stewardship Council's Principles and Criteria.
- Conduct 3rd party building commissioning to ensure energy performance.
- Provide construction and design guidelines to facilitate sustainable design for build-out by tenants.

SITE SELECTION AND DESIGN MEASURES

- Provide access to public transportation.
- Minimize energy use through building orientation.
- Select brownfields or greyfields for redevelopment to minimize vegetation/forest loss.
- Incorporate mixed-use design to promote short commutes for employment and shopping.
- Provide permanent protection for open space on the project site.
- Manage forested areas for carbon sequestration.

- Conserve and restore natural areas on-site.
- Minimize building footprint.
- Design project to support alternative transportation (walking and bicycling).
- Use low impact development for stormwater design.
- Design water efficient landscaping.

EFFICIENCY OR MITIGATION MEASURES FOR ON-SITE GHG EMISSION SOURCES

- Use energy efficient boilers, heaters, furnaces, incinerators, or generators.
- Use process design efficiency for industrial process sources.
- Incorporate co-firing of biomass or use of bio-fuels.
- Collect biogas and use for power generation.
- Use biodiesel or bioheat for heating fuel or in vehicles/equipment.
- Incorporate on-site renewable energy sources into project, such as wind or solar.
- Incorporate combined heat and power (CHP) technologies.
- Pursue carbon collection, capture, and reuse or sequestration.

TRANSPORTATION MEASURES

- Locate new buildings in or near areas designated for transit-oriented development (TOD).
- Incorporate TOD principles in employee and customer activity patterns.
- Purchase alternative fuel and/or fuel efficient vehicles for fleet, including the range of maintenance and operation vehicles used on-site.
- Provide new transit service or support extension/expansion of existing transit (buses, trains, shuttles, water transportation).
- Develop or support multi-use paths to and through site.
- Size parking capacity to meet, but not exceed, parking required by zoning and, where possible, seek reductions in parking supply through special permits or waivers.
- Pursue opportunities to minimize parking supply through shared or banked parking.
- Develop a parking management program to minimize parking requirements such as parking cash-out, parking charges, preferential carpool or vanpool parking, limiting parking available to employees.
- Develop and implement a marketing/information program that includes posting and distribution of ride sharing transit information.
- Subsidize transit passes.
- Provide for the use of pre-tax dollars for non-single occupancy vehicle commuting costs.
- Reduce employee trips during peak periods through alternative work schedules, telecommuting and/or flex-time.
- Provide a guaranteed ride home program.
- Provide bicycle storage and showers/changing rooms.
- Roadway improvements to improve traffic flow.

- Traffic signalization and coordination to improve traffic flow and support pedestrian and bicycle safety.
- Designate on-site parking for alternative vehicles.
- Provide on-site charging station for electric vehicles.