

Raising Electrical and Mechanical Systems

What is Raising Electrical and Mechanical Systems?

Costly damages can be incurred if electrical and mechanical systems such as transformers, generators, HVAC equipment, or computer servers are flooded.

This practice involves building retrofits to relocate the critical infrastructure to the interior or exterior locations above the high water level.

Where can this be done?

This practice is suitable for buildings that cannot be floodproofed to prevent water from entering the structure in a flood event and would typically be combined with other wet floodproofing measures to minimize building damages when flooding occurs.

What else should you know about Raising Electrical and Mechanical Systems?

This technique does not protect against flooding but minimizes damages when flooding occurs.

Any alterations to the building and mechanical systems must meet all applicable codes and standards.

Cost Range

Costs are dependent on the type and size of equipment to be relocated, the degree to which associated infrastructure (venting, piping, electrical connections) need to be modified, and other building constraints.

Cost savings can be achieved if the works are completed when the electrical and mechanical systems are already scheduled for replacement due to age, condition or a change in building use.

What type of protection does this provide?

Electrical and Mechanical systems provide Passive Wet Protection.



Air conditioning / heat pump compressor mounted on a brick pedestal above the High Water Level
(source: fema.gov)