

WATER HEATING

Incorporate heat pumps for more efficient and resilient commercial water heating



Two different designs, same system benefits

Commercial building owners and operators can increase performance, enhance resiliency, and reduce operating costs by serving their gas water heaters with either electric or gas heat pumps. Using outdoor heat pumps to heat water before it enters the indoor tanked gas water heater(s) reduces the demand on the less-efficient equipment. Whether incorporating a gas or electric heat pump, this holistic system is far more efficient than traditional water heater and storage tank designs.

Benefits of heat-pump-connected commercial water heating systems:

- Increases efficiency
- Reduces operating costs
- Enhances resiliency to future code changes and performance standards
- Provides an advantageous alternative to all-electric systems, particularly for retrofits of existing buildings served by gas appliances
- Offers fuel flexibility
- Creates an additional pathway to incrementally and feasibly increase system efficiency

IDEAL BUILDING TYPES FOR ADVANCED WATER HEATERS



Hospitals



Education



Multifamily and hotels

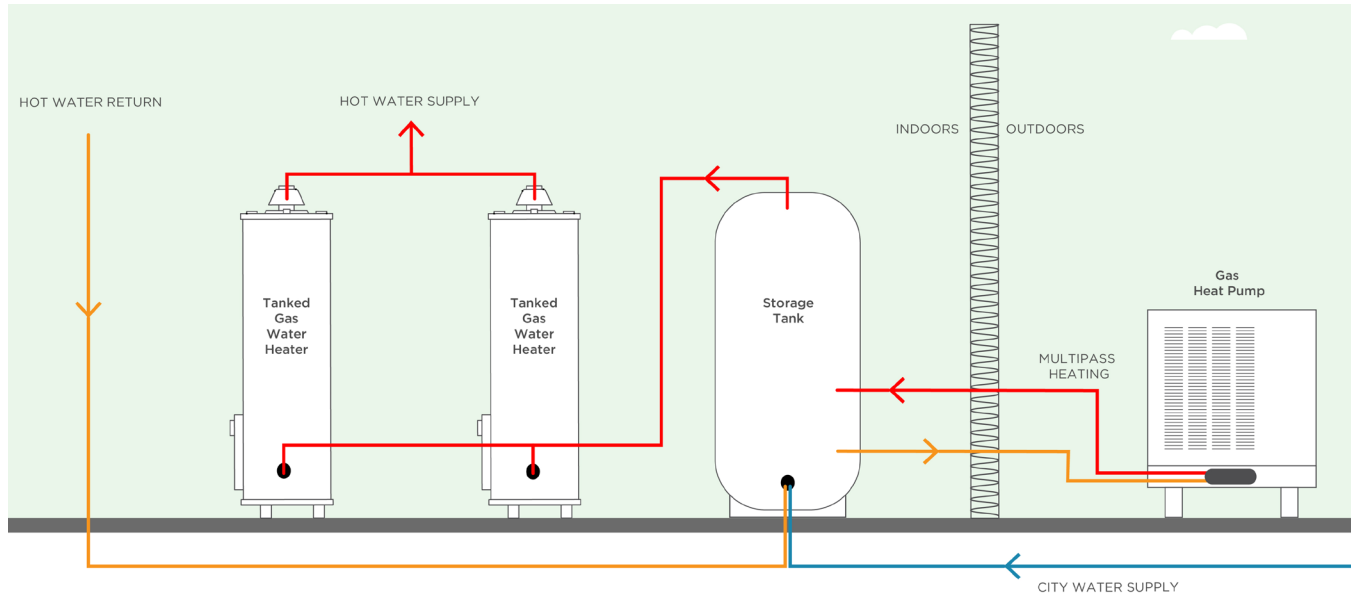


Restaurants

Two approaches to advance commercial water heating

Gas heat pump with gas water heaters

Provides efficient, resilient hot water by incorporating an outdoor gas heat pump with gas water heater(s) in a unified system.



Dual-fuel water-heating system

Provides efficient, resilient hot water by incorporating an outdoor electric heat pump with gas water heater(s) in a unified system.

