

BACK UP POWER OPTIONS

		POWER FAILURE SOLUTIONS			
		TempArmour® PCM Vaccine Refrigerator	Battery Backup Power	Automatic Generator	Standard Generator
Typical Cost (USD)		No backup power required; Lowest Cost	\$1600 – \$5000+	\$10,000+	\$500 – \$3,000+
POTENTIAL THREATS TO VACCINE STORAGE	Threat with advance warning (e.g., hurricane / slow-moving storm)	✓	▲	✓	▲
	No advance warning (e.g., thunderstorm, tornado, earthquake)	✓	▲	✓	▲
	Brownouts	✓	✓	✓	✗
	Planned power outages	✓	▲	✓	✓
	Unexpected routine power outage	✓	▲	✓	▲
	Post-storm (e.g., extended power outage potential / no access)	✓	Option: Add battery backup for longer protection ▲	✓	✗
	High risk of physical damage to location (e.g., wildfire, flood)	MOVE VACCINES IF POSSIBLE			

✓ Best Solution
 ✓ Viable Solution
 ▲ Limited option
 ✗ Least effective

Considerations:

Total Cost: The backup power costs provided in the table are in addition to the initial cost of the site's refrigerator. The TempArmour® Refrigerator does not require backup power as it already maintains its temperature in range for up to 6 days during power outages. The price of the TempArmour Vaccine Refrigerator is \$3299.00 USD (\$4099.00 CAD).

Battery backup power and generators can malfunction and stop working during a power outage. This is not the case for the TempArmour® Refrigerator that maintains its temperature for typically 6 days without actually having to operate.

* TempArmour® Refrigeration does not warrant that this tool includes an exhaustive list of potential threats to vaccines in storage and/or emergency preparedness options. The user of this tool agrees that TempArmour® is not responsible for any emergency preparedness choices or path ultimately pursued by the user. With the exception of products sold by TempArmour® Refrigeration, costs provided are estimates, and reader is responsible for undertaking their own price comparisons/research.