

Summer 2024 DER Asset Class Average Unavailability Factors

The following table provides the list of Asset Class Average Unavailability Factors by Asset Source ID for DER for the Summer 2024 Capability Period, used by the Aggregation System. The Class Average Unavailability Factors serve as a proxy value for actual historical Aggregation or Asset Unavailability Factors required to calculate the Facility Seasonal Factors. For additional details regarding class average values and usage of class average, refer to the ICAP Manual Section 4.5.

Capability Period	Asset Source ID	Asset Type	Source Type(s)	Source Fuel(s)	Response Type	Class Average Unavailability Factor (%)
Summer 2024	101	Demand Reduction	Demand Reduction	Curtailement	C	13.21
Summer 2024	102	Demand Reduction	Demand Reduction	Curtailement	B	13.21
Summer 2024	103	Demand Reduction	Demand Reduction	Curtailement	I	13.21
Summer 2024	104	Demand Reduction	Demand Reduction	Curtailement	G	13.21
Summer 2024	201	Generator	Combined Cycle	Coal		5.71
Summer 2024	202	Generator	Combined Cycle	Butane		5.71
Summer 2024	203	Generator	Combined Cycle	Diesel		5.71
Summer 2024	204	Generator	Combined Cycle	Hydrogen		5.71
Summer 2024	205	Generator	Combined Cycle	Jet Fuel		5.71
Summer 2024	206	Generator	Combined Cycle	Kerosene		5.71
Summer 2024	207	Generator	Combined Cycle	Methane (Bio Gas)		5.71
Summer 2024	208	Generator	Combined Cycle	Natural Gas		5.71
Summer 2024	209	Generator	Combined Cycle	No. 2 Fuel Oil		5.71
Summer 2024	210	Generator	Combined Cycle	No. 4 Fuel Oil		5.71
Summer 2024	211	Generator	Combined Cycle	No. 6 Fuel Oil		5.71
Summer 2024	212	Generator	Combined Cycle	Other		5.71
Summer 2024	213	Generator	Combined Cycle	Propane		5.71
Summer 2024	214	Generator	Combined Cycle	Waste Heat		5.71
Summer 2024	215	Generator	Combined Cycle	Wood and/or Wood Waste		5.71
Summer 2024	216	Generator	Cogeneration	Butane		5.71
Summer 2024	217	Generator	Cogeneration	Coal		5.71
Summer 2024	218	Generator	Cogeneration	Diesel		5.71
Summer 2024	219	Generator	Cogeneration	Hydrogen		5.71
Summer 2024	220	Generator	Cogeneration	Jet Fuel		5.71
Summer 2024	221	Generator	Cogeneration	Kerosene		5.71
Summer 2024	222	Generator	Cogeneration	Methane (Bio Gas)		5.71
Summer 2024	223	Generator	Cogeneration	Natural Gas		5.71
Summer 2024	224	Generator	Cogeneration	No. 2 Fuel Oil		5.71

Capability Period	Asset Source ID	Asset Type	Source Type(s)	Source Fuel(s)	Response Type	Class Average Unavailability Factor (%)
Summer 2024	225	Generator	Cogeneration	No. 4 Fuel Oil		5.71
Summer 2024	226	Generator	Cogeneration	No. 6 Fuel Oil		5.71
Summer 2024	227	Generator	Cogeneration	Other		5.71
Summer 2024	228	Generator	Cogeneration	Propane		5.71
Summer 2024	229	Generator	Cogeneration	Refuse		5.71
Summer 2024	230	Generator	Cogeneration	Waste Heat		5.71
Summer 2024	231	Generator	Cogeneration	Wood and/or Wood Waste		5.71
Summer 2024	232	Generator	Combustion Turbine	Butane		13.95
Summer 2024	233	Generator	Combustion Turbine	Diesel		5.18
Summer 2024	234	Generator	Combustion Turbine	No. 6 Fuel Oil		20.5
Summer 2024	235	Generator	Combustion Turbine	Jet Fuel		13.95
Summer 2024	236	Generator	Combustion Turbine	Kerosene		13.95
Summer 2024	237	Generator	Combustion Turbine	Methane (Bio Gas)		21.05
Summer 2024	238	Generator	Combustion Turbine	Natural Gas		21.05
Summer 2024	239	Generator	Combustion Turbine	No. 2 Fuel Oil		20.5
Summer 2024	240	Generator	Combustion Turbine	No. 4 Fuel Oil		20.5
Summer 2024	242	Generator	Combustion Turbine	Propane		13.95
Summer 2024	243	Generator	Combustion Turbine	Coal		7.07
Summer 2024	244	Generator	Combustion Turbine	Waste Heat		13.95
Summer 2024	245	Generator	Fuel Cell	Hydrogen		9.19
Summer 2024	246	Generator	Conventional Hydro	Water		14.35
Summer 2024	247	Generator	Internal Combustion	Butane		13.95
Summer 2024	248	Generator	Internal Combustion	Diesel		5.18
Summer 2024	250	Generator	Internal Combustion	Jet Fuel		13.95
Summer 2024	251	Generator	Internal Combustion	Kerosene		13.95
Summer 2024	252	Generator	Internal Combustion	Methane (Bio Gas)		21.05
Summer 2024	253	Generator	Internal Combustion	Natural Gas		21.05
Summer 2024	254	Generator	Internal Combustion	No. 2 Fuel Oil		20.5
Summer 2024	255	Generator	Internal Combustion	No. 4 Fuel Oil		20.5
Summer 2024	256	Generator	Internal Combustion	No. 6 Fuel Oil		20.5
Summer 2024	258	Generator	Internal Combustion	Propane		13.95
Summer 2024	259	Generator	Internal Combustion	Wood and/or Wood Waste		13.95
Summer 2024	260	Generator	Jet Engine	Butane		16.95
Summer 2024	261	Generator	Jet Engine	Diesel		16.95
Summer 2024	262	Generator	Jet Engine	Jet Fuel		16.95
Summer 2024	263	Generator	Jet Engine	Kerosene		16.95

Capability Period	Asset Source ID	Asset Type	Source Type(s)	Source Fuel(s)	Response Type	Class Average Unavailability Factor (%)
Summer 2024	264	Generator	Jet Engine	Methane (Bio Gas)		16.95
Summer 2024	265	Generator	Jet Engine	Natural Gas		16.95
Summer 2024	266	Generator	Jet Engine	No. 2 Fuel Oil		16.95
Summer 2024	267	Generator	Jet Engine	No. 4 Fuel Oil		16.95
Summer 2024	268	Generator	Jet Engine	No. 6 Fuel Oil		16.95
Summer 2024	269	Generator	Jet Engine	Other		16.95
Summer 2024	270	Generator	Jet Engine	Propane		16.95
Summer 2024	271	Generator	Steam Turbine	Refuse		13.95
Summer 2024	272	Generator	Steam Turbine	Wood and/or Wood Waste		13.95
Summer 2024	273	Generator	Steam (BWR Nuclear)	Uranium		2.06
Summer 2024	274	Generator	Steam (PWR Nuclear)	Uranium		1.63
Summer 2024	275	Generator	Steam Turbine	Butane		13.95
Summer 2024	276	Generator	Steam Turbine	Coal		7.07
Summer 2024	277	Generator	Steam Turbine	Diesel		5.18
Summer 2024	278	Generator	Steam Turbine	Jet Fuel		13.95
Summer 2024	279	Generator	Steam Turbine	Kerosene		13.95
Summer 2024	280	Generator	Steam Turbine	Methane (Bio Gas)		21.05
Summer 2024	281	Generator	Steam Turbine	Natural Gas		21.05
Summer 2024	282	Generator	Steam Turbine	No. 2 Fuel Oil		20.5
Summer 2024	283	Generator	Steam Turbine	No. 4 Fuel Oil		20.5
Summer 2024	284	Generator	Steam Turbine	No. 6 Fuel Oil		20.5
Summer 2024	286	Generator	Steam Turbine	Propane		13.95
Summer 2024	301	Energy Storage	Energy Storage	Battery		9.19
Summer 2024	302	Energy Storage	Pumped Storage Hydro	Water		9.19
Summer 2024	303	Energy Storage	Fly Wheel	Fly Wheel		9.19
Summer 2024	401	Solar	Photovoltaic	Sunlight		0
Summer 2024	501	Wind	Wind Turbine	Wind		0
Summer 2024	601	Landfill Gas	Combustion Turbine	Methane (Bio Gas)		0
Summer 2024	602	Landfill Gas	Internal Combustion	Methane (Bio Gas)		0
Summer 2024	603	Landfill Gas	Steam Turbine	Methane (Bio Gas)		0