**Nuclear power plants in New York**

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**G**

* [Ginna nuclear power plant](https://en.wikipedia.org/wiki/Ginna_nuclear_power_plant)

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| **Ginna nuclear power plant** | |
| Ginna nuclear power plant | |
| Location of Ginna nuclear power plant in New York | |
| **Country** | United States |
| **Location** | [Ontario, New York](https://en.wikipedia.org/wiki/Ontario,_New_York) |
| **Coordinates** | [43°16′40″N 77°18′36″W﻿ / ﻿43.27778°N 77.31000°W﻿ / 43.27778; -77.31000](https://tools.wmflabs.org/geohack/geohack.php?pagename=Ginna_nuclear_power_plant&params=43_16_40_N_77_18_36_W_region:US-NY_type:landmark)[Coordinates](https://en.wikipedia.org/wiki/Geographic_coordinate_system): [43°16′40″N 77°18′36″W﻿ / ﻿43.27778°N 77.31000°W﻿ / 43.27778; -77.31000](https://tools.wmflabs.org/geohack/geohack.php?pagename=Ginna_nuclear_power_plant&params=43_16_40_N_77_18_36_W_region:US-NY_type:landmark) |
| **Status** | Operational |
| [**Commission date**](https://en.wikipedia.org/wiki/Project_commissioning) | June 1, 1970 |
| **Owner(s)** | Exelon |
| **Operator(s)** | Exelon |
| **Nuclear power station** | |
| **Reactor type** | [PWR](https://en.wikipedia.org/wiki/Pressurized_water_reactor) |
| **Reactor supplier** | [Westinghouse](https://en.wikipedia.org/wiki/Westinghouse_Electric_Corporation_(1886)) |
| **Power generation** | |
| [**Nameplate capacity**](https://en.wikipedia.org/wiki/Nameplate_capacity) | 610 MW |
| [**Annual generation**](https://en.wikipedia.org/wiki/Gross_generation) | 4,930 GWh |
| **Website** [Ginna Nuclear Power Plant](http://www.constellation.com/portal/site/constellation/menuitem.385c7a188817d1908d84ff10025166a0/) | |

The **Robert Emmett Ginna nuclear power plant**, commonly known as **Ginna** (pron. gin-NAY), is a [nuclear power plant](https://en.wikipedia.org/wiki/Nuclear_power_plant) located on the southern shore of [Lake Ontario](https://en.wikipedia.org/wiki/Lake_Ontario), in the town of [Ontario](https://en.wikipedia.org/wiki/Ontario,_New_York), [Wayne County, New York](https://en.wikipedia.org/wiki/Wayne_County,_New_York), approximately 20 miles (32 km) east of [Rochester, New York](https://en.wikipedia.org/wiki/Rochester,_New_York).[[1]](https://en.wikipedia.org/wiki/Ginna_nuclear_power_plant#cite_note-ceg1-1#cite_note-ceg1-1) It is a single unit [Westinghouse](https://en.wikipedia.org/wiki/Westinghouse_Electric_Company) 2-Loop [pressurized water reactor](https://en.wikipedia.org/wiki/Pressurized_water_reactor), similar to those at [Point Beach](https://en.wikipedia.org/wiki/Point_Beach_Nuclear_Plant), [Kewaunee](https://en.wikipedia.org/wiki/Kewaunee), and [Prairie Island](https://en.wikipedia.org/wiki/Prairie_Island_Nuclear_Power_Plant). Ginna is one of the oldest nuclear power reactors still in operation in the United States, having gone into commercial operation in 1970.[[1]](https://en.wikipedia.org/wiki/Ginna_nuclear_power_plant#cite_note-ceg1-1#cite_note-ceg1-1)

**I**

* [Indian Point Energy Center](https://en.wikipedia.org/wiki/Indian_Point_Energy_Center)

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| **Indian Point Energy Center** | |
| Entergy's Indian Point Energy Center (IPEC) seen from across the [Hudson River](https://en.wikipedia.org/wiki/Hudson_River). | |
| Location of Indian Point Energy Center in New York | |
| **Country** | United States |
| **Location** | [Buchanan, New York](https://en.wikipedia.org/wiki/Buchanan,_New_York) |
| **Coordinates** | [41°16′11″N 73°57′8″W﻿ / ﻿41.26972°N 73.95222°W﻿ / 41.26972; -73.95222](https://tools.wmflabs.org/geohack/geohack.php?pagename=Indian_Point_Energy_Center&params=41_16_11_N_73_57_8_W_type:landmark_region:US-NY)[Coordinates](https://en.wikipedia.org/wiki/Geographic_coordinate_system): [41°16′11″N 73°57′8″W﻿ / ﻿41.26972°N 73.95222°W﻿ / 41.26972; -73.95222](https://tools.wmflabs.org/geohack/geohack.php?pagename=Indian_Point_Energy_Center&params=41_16_11_N_73_57_8_W_type:landmark_region:US-NY) |
| **Status** | Operational |
| [**Commission date**](https://en.wikipedia.org/wiki/Project_commissioning) | Unit 2: August 1, 1974 Unit 3: August 30, 1976 |
| **Operator(s)** | [Entergy](https://en.wikipedia.org/wiki/Entergy) |
| **Nuclear power station** | |
| **Reactor type** | [PWR](https://en.wikipedia.org/wiki/Pressurized_water_reactor) |
| **Reactor supplier** | [Westinghouse](https://en.wikipedia.org/wiki/Westinghouse_Electric_Corporation_(1886)) |
| **Power generation** | |
| [**Nameplate capacity**](https://en.wikipedia.org/wiki/Nameplate_capacity) | Unit 2: 1,032 [MW](https://en.wikipedia.org/wiki/Megawatt) Unit 3: 1,051 MW |
| [**Annual generation**](https://en.wikipedia.org/wiki/Gross_generation) | Unit 2: 8,842 [GWh](https://en.wikipedia.org/wiki/Gigawatt-hour) Unit 3: 7,797 GWh |
| **Website** <http://www.safesecurevital.com/> | |

**Indian Point Energy Center** (**IPEC**) is a three-unit [nuclear power plant](https://en.wikipedia.org/wiki/Nuclear_power_plant) station located in [Buchanan, New York](https://en.wikipedia.org/wiki/Buchanan,_New_York) just south of [Peekskill](https://en.wikipedia.org/wiki/Peekskill). It sits on the east bank of the [Hudson River](https://en.wikipedia.org/wiki/Hudson_River), about 36 miles north of [Midtown Manhattan](https://en.wikipedia.org/wiki/Midtown_Manhattan). The plant generates over 2,000 [megawatts](https://en.wikipedia.org/wiki/Megawatt) ([MWe](https://en.wikipedia.org/wiki/Watt#Electrical_and_thermal_watts)) of electrical power. For reference, the record peak energy consumption of New York City and Westchester County (The Con Edison Service Territory) was set during a seven-day [heat wave](https://en.wikipedia.org/wiki/Heat_wave) on July 19, 2013 at 13,322 megawatts. Electrical energy consumption varies greatly with time of day and season.

**J**

* [James A. FitzPatrick Nuclear Power Plant](https://en.wikipedia.org/wiki/James_A._FitzPatrick_Nuclear_Power_Plant)

The **James A. Fitzpatrick (JAF) Nuclear Power Plant** is located in the Town of [Scriba](https://en.wikipedia.org/wiki/Scriba,_New_York), near [Oswego, New York](https://en.wikipedia.org/wiki/Oswego,_New_York), on the southeast shore of [Lake Ontario](https://en.wikipedia.org/wiki/Lake_Ontario). The [nuclear power plant](https://en.wikipedia.org/wiki/Nuclear_power_plant) has one [General Electric](https://en.wikipedia.org/wiki/General_Electric) [boiling water reactor](https://en.wikipedia.org/wiki/Boiling_water_reactor). The 900-acre (360 ha) site is also the location of two other units at the [Nine Mile Point Nuclear Generating Station](https://en.wikipedia.org/wiki/Nine_Mile_Point_Nuclear_Generating_Station).

**K**

* [Kintigh Generating Station](https://en.wikipedia.org/wiki/Kintigh_Generating_Station)



Part of the Kintigh Generating Station, viewed from the west.

The **Kintigh Generating Station**, also known as **Somerset Operating Co. LLC of the Upstate New York Power Producers**is a 675-[megawatt](https://en.wikipedia.org/wiki/Megawatt) [coal](https://en.wikipedia.org/wiki/Coal)-fired [power plant](https://en.wikipedia.org/wiki/Power_station) located in [Somerset, New York](https://en.wikipedia.org/wiki/Somerset,_New_York), [United States](https://en.wikipedia.org/wiki/United_States). The plant was owned by [AES Corporation](https://en.wikipedia.org/wiki/AES_Corporation) until bankruptcy. Its only currently operating unit was launched into service in 1984. Coal is provided to the plant via the [Somerset Railroad](https://en.wikipedia.org/wiki/Somerset_Railroad_(New_York)). The waste heat is dumped into [Lake Ontario](https://en.wikipedia.org/wiki/Lake_Ontario), resulting in a warm-water [plume](https://en.wikipedia.org/wiki/Plume_(hydrodynamics)) visible on satellite images. The plant's [smoke stack](https://en.wikipedia.org/wiki/Smoke_stack) can be seen across Lake Ontario from the shores of [Toronto](https://en.wikipedia.org/wiki/Toronto), Pickering, Oshawa, and Ajax, Ontario. It can also be seen from points along the [Niagara Escarpment](https://en.wikipedia.org/wiki/Niagara_Escarpment), including [Lockport, NY](https://en.wikipedia.org/wiki/Lockport,_NY), approximately 20 miles south. Power from the plant is transferred by 345kV power lines on wood [pylons](https://en.wikipedia.org/wiki/Electricity_pylon), which run south from the plant through rural agricultural land. In [Royalton, NY](https://en.wikipedia.org/wiki/Royalton,_NY) they connect to a pair of 345kV single-circuit lines called the 345-kV [Niagara-to-Edic transmission line](https://en.wikipedia.org/w/index.php?title=Niagara-to-Edic_transmission_line&action=edit&redlink=1), owned by the [New York Power Authority](https://en.wikipedia.org/wiki/New_York_Power_Authority), and carried by steel pylons for approximately 200 miles from the Canadian border at [Niagara Falls, NY](https://en.wikipedia.org/wiki/Niagara_Falls,_NY) to a substation near [Marcy, NY](https://en.wikipedia.org/wiki/Marcy,_NY).

**N**

* [Nine Mile Point Nuclear Generating Station](https://en.wikipedia.org/wiki/Nine_Mile_Point_Nuclear_Generating_Station)

**Nine Mile Point Nuclear Station** is a [nuclear power plant](https://en.wikipedia.org/wiki/Nuclear_power_plant) with two [nuclear reactors](https://en.wikipedia.org/wiki/Nuclear_reactor) located in the town of [Scriba](https://en.wikipedia.org/wiki/Scriba,_New_York), approximately five miles northeast of [Oswego, New York](https://en.wikipedia.org/wiki/Oswego,_New_York), on the shore of [Lake Ontario](https://en.wikipedia.org/wiki/Lake_Ontario). The 900-acre (360 ha) site is also occupied by the [Fitzpatrick Nuclear Generating Station](https://en.wikipedia.org/wiki/Fitzpatrick_Nuclear_Generating_Station).

**S**

* [Shoreham Nuclear Power Plant](https://en.wikipedia.org/wiki/Shoreham_Nuclear_Power_Plant)

The **Shoreham Nuclear Power Plant** was a completed [General Electric](https://en.wikipedia.org/wiki/General_Electric) nuclear [boiling water reactor](https://en.wikipedia.org/wiki/Boiling_water_reactor) located adjacent to Long Island Sound in [East Shoreham, New York](https://en.wikipedia.org/wiki/East_Shoreham,_New_York).

The plant was built between 1973 and 1984 by the [Long Island Lighting Company](https://en.wikipedia.org/wiki/Long_Island_Lighting_Company) (LILCO). The plant faced considerable public opposition after the 1979 [Three Mile Island accident](https://en.wikipedia.org/wiki/Three_Mile_Island_accident) and the 1986 [Chernobyl disaster](https://en.wikipedia.org/wiki/Chernobyl_disaster). There were large protests and two dozen local groups opposed the plant.

In 1983, [Suffolk County](https://en.wikipedia.org/wiki/Suffolk_County,_New_York) determined that the county could not be safely evacuated in the event of a serious nuclear accident at the plant. [Governor](https://en.wikipedia.org/wiki/Governor_of_New_York) [Mario Cuomo](https://en.wikipedia.org/wiki/Mario_Cuomo) ordered state officials not to approve any LILCO-sponsored evacuation plan—effectively preventing the plant from operating at full capacity. The plant was completed in 1984 and in 1985 LILCO received federal permission for low-power (5 percent power) tests.

* This page was last modified on 1 January 2014, at 21:23.