

### 1.1.1 Baseline Retirement and PPA Expiration Dates

Table 4-3 summarizes the “baseline” retirement and PPA expiration dates for the existing supply-side resources in Liberty-Empire’s portfolio that were included in the 2022 IRP analysis. For resources that are wholly or majority-owned and operated by Liberty-Empire, the retirement date represents the resource’s age-based end of life. For resources for which Liberty-Empire is a minority owner, the retirement date represents the planned retirement date indicated by the joint and majority owners. PPA expiration dates represent the assumed date of contract expiration with no assumed extensions for IRP purposes.

**Table 4-3 – Base Retirement and PPA Expiration Dates**

<b>Owned Unit Name</b>	<b>Commercial Online Year</b>	<b>Age of Facility As of 2022 (Years)</b>	<b>Baseline IRP Retirement Year</b>
Iatan 1	1980	42	2039
Iatan 2	2010	12	n/a
Plum Point (Owned)	2010	12	n/a
Riverton 10 CT	1988 <sup>1</sup>	54 <sup>1</sup>	2025
Riverton 11 CT	1988 <sup>1</sup>	54 <sup>1</sup>	2025
Riverton 12 CC	2007 & 2016 <sup>2</sup>	15 & 6	n/a
Empire Energy Center 1 CT	1978	44	2026 or 2035 <sup>4</sup>
Empire Energy Center 2 CT	1981	41	2026 or 2035 <sup>4</sup>
Empire Energy Center 3 CT	2003	19	n/a
Empire Energy Center 4 CT	2003	19	n/a
State Line CT	1995	27	n/a
State Line CC	1997 & 2001 <sup>3</sup>	25 & 21	n/a
Ozark Beach	1931	91	n/a
North Fork Ridge	2020	2	n/a
Kings Point	2021	1	n/a
Neosho Ridge	2021	1	n/a
<b>Long Term Power Purchases and Sales</b>	<b>PPA Start Year</b>	<b>PPA Term (Years)</b>	<b>Expected PPA Expiration Year</b>
Plum Point	2010	30	2040
Elk River Wind Farm	2005	20	2025
Meridian Way Wind Farm	2008	20	2028
MJMEUC Capacity Sale	2020	5	2025
Notes:			
1. Riverton 10 and 11 were installed at Liberty-Empire in 1988, but the equipment was manufactured in 1967.			

Table 4-3 – Base Retirement and PPA Expiration Dates

Owned Unit Name	Commercial Online Year	Age of Facility As of 2025 (Years)	Baseline IRP Retirement Year
latan 1	1980	45	2039
latan 2	2010	15	n/a
Plum Point (Owned)	2010	15	n/a
Riverton 10 CT	1988 <sup>1</sup>	54 <sup>1</sup>	2026
Riverton 11 CT	1988 <sup>1</sup>	54 <sup>1</sup>	2026
Riverton 12 CC	2007 & 2016 <sup>2</sup>	18 & 9	n/a
Riverton 13 CT	2026	n/a	n/a
Riverton 14 CT	2026	n/a	n/a
Empire Energy Center 1 CT	1978	47	2035
Empire Energy Center 2 CT	1981	44	2035
Empire Energy Center 3 CT	2003	22	n/a
Empire Energy Center 4 CT	2003	22	n/a
State Line CT	1995	30	n/a
State Line CC	1997 & 2001 <sup>3</sup>	28 & 24	n/a
Ozark Beach	1913	112	n/a
North Fork Ridge	2020	5	n/a
Kings Point	2021	4	n/a
Neosho Ridge	2021	4	n/a
Firm Solar Build	2028	n/a	n/a
Long-Term Power Purchases and Sales	PPA Start Year	PPA Term (Years)	Expected PPA Expiration Year
Plum Point	2010	30	2040
Elk River Wind Farm	2005	20	2025
Meridian Way Wind Farm	2008	20	2028
MJMEUC Capacity Sale <sup>4</sup>	2020	7	2027
Notes:			
1. Riverton 10 and 11 were installed at Liberty-Empire in 1988, but the equipment was manufactured in 1967.			
2. Combustion turbine Riverton 12 was installed in 2007. The steam cycle addition (combined cycle conversion) was completed in 2016.			
3. One of the gas turbines at State Line CC was installed in 1997. The other gas turbine and the steam turbine were installed in 2001.			
4. 25 MW MJMEUC Capacity Sale PPA that begins in 2025 is an amended and restated contract to the original MJMEUC capacity sale that began in 2020.			