

**Sent: Tuesday, October 10, 2023**

**Subject: IPI Moyer Locomotive Surplus Tables & Green Charts**

IPI Team:

The California Air Resources Board Approved the In-Use Locomotive Regulation on April 27, 2023. As stated in the 2017 Carl Moyer Program Guidelines (page 2-1), any contract signed/executed after Board approval must consider the approved regulation when determining project eligibility and calculating surplus emission reductions. The Carl Moyer Locomotive Team would like to provide an overview of the potential effects of the recently approved In-Use Locomotive Regulation on Carl Moyer Locomotive projects and methods to help determine the maximum project life for these projects. This message will focus on the 23-year life requirement in the regulation which states that starting in 2030, "any Locomotive that is 23 years or older, based on the Original Engine Build Date, shall not Operate in California."<sup>1</sup> It is important to note that the In-Use Locomotive Regulation includes other components, and air districts are highly encouraged to visit the links below for additional requirements and information.

In-Use Locomotive Regulation Factsheets

In-Use Locomotive Regulation Rulemaking Page

To help air districts determine surplus and project life for Carl Moyer locomotive projects in consideration of the Board approved In-Use Locomotive Regulation, please see the following.

- **Moyer Contracts signed *after* Board approval.**
  - Districts may use the Locomotive Surplus Tables and Green Charts to determine surplus (attached).
  - Contracts must end by the date the existing (baseline) engine is not allowed operate in California.
    - For example, if a Moyer participant is replacing a switcher locomotive with a primary engine originally built in 1995 with a brand-new Tier 4 locomotive, the contract for this project must end by the date that the baseline 1995 engine can no longer operate in California, which is 1/1/2030.
- **Moyer Contracts signed *before* Board approval.**
  - Districts do not need to consider the In-Use Locomotive regulation when calculating surplus.

Locomotives must be in compliance with the In-Use Locomotive Regulation. Carl Moyer locomotive projects must have replacement equipment that are Tier 4 or cleaner, and the baseline locomotive must be scrapped.

If you have any questions or feedback, please contact Ken Bhatti or Telena Vo.

<sup>1</sup> Final Regulation Order: In-Use Locomotive Regulation, § 2478.5. In-Use Operational Requirements; Page 15

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## Incentive Funding Surplus Years Chart

| Baseline Locomotive Engine Build Date* | Baseline Locomotive Cannot Operate in CA or Must be ZE Operation by ** | Project Post Inspected (Date Below)*** |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
|----------------------------------------|------------------------------------------------------------------------|----------------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
|                                        |                                                                        | Jan 1, 2023 - Dec 31, 2023             | Jan 1, 2024 - Dec 31, 2024 | Jan 1, 2025 - Dec 31, 2025 | Jan 1, 2026 - Dec 31, 2026 | Jan 1, 2027 - Dec 31, 2027 | Jan 1, 2028 - Dec 31, 2028 | Jan 1, 2029 - Dec 31, 2029 | Jan 1, 2030 - Dec 31, 2030 | Jan 1, 2031 - Dec 31, 2031 | Jan 1, 2032 - Dec 31, 2032 | Jan 1, 2033 - Dec 31, 2033 | Jan 1, 2034 - Dec 31, 2034 | Jan 1, 2035 - Dec 31, 2035 | Jan 1, 2036 - Dec 31, 2036 | Jan 1, 2037 - Dec 31, 2037 | Jan 1, 2038 - Dec 31, 2038 | Jan 1, 2039 - Dec 31, 2039 | Jan 1, 2040 - Dec 31, 2040 | Jan 1, 2041 - Dec 31, 2041 | Jan 1, 2042 - Dec 31, 2042 | Jan 1, 2043 - Dec 31, 2043 |
|                                        |                                                                        | 6                                      | 5                          | 4                          | 3                          |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| On or Before Dec 31, 2006              | Jan 1, 2030                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2007 - Dec 31, 2007             | Jan 1, 2031                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2008 - Dec 31, 2008             | Jan 1, 2032                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2009 - Dec 31, 2009             | Jan 1, 2033                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2010 - Dec 31, 2010             | Jan 1, 2034                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2011 - Dec 31, 2011             | Jan 1, 2035                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2012 - Dec 31, 2012             | Jan 1, 2036                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2013 - Dec 31, 2013             | Jan 1, 2037                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2014 - Dec 31, 2014             | Jan 1, 2038                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2015 - Dec 31, 2015             | Jan 1, 2039                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2016 - Dec 31, 2016             | Jan 1, 2040                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2017 - Dec 31, 2017             | Jan 1, 2041                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2018 - Dec 31, 2018             | Jan 1, 2042                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2019 - Dec 31, 2019             | Jan 1, 2043                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2020 - Dec 31, 2020             | Jan 1, 2044                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2021 - Dec 31, 2021             | Jan 1, 2045                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2022 - Dec 31, 2022             | Jan 1, 2046                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2023 - Dec 31, 2023             | Jan 1, 2047                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2024 - Dec 31, 2024             | Jan 1, 2048                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2025 - Dec 31, 2025             | Jan 1, 2049                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2026 - Dec 31, 2026             | Jan 1, 2050                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2027 - Dec 31, 2027             | Jan 1, 2051                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2028 - Dec 31, 2028             | Jan 1, 2052                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2029 - Dec 31, 2029             | Jan 1, 2053                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2030 - Dec 31, 2030             | Jan 1, 2054                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2031 - Dec 31, 2031             | Jan 1, 2055                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2032 - Dec 31, 2032             | Jan 1, 2056                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2033 - Dec 31, 2033             | Jan 1, 2057                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2034 - Dec 31, 2034             | Jan 1, 2058                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2035 - Dec 31, 2035             | Jan 1, 2059                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2036 - Dec 31, 2036             | Jan 1, 2060                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2037 - Dec 31, 2037             | Jan 1, 2061                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2038 - Dec 31, 2038             | Jan 1, 2062                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2039 - Dec 31, 2039             | Jan 1, 2063                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2040 - Dec 31, 2040             | Jan 1, 2064                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2041 - Dec 31, 2041             | Jan 1, 2065                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2042 - Dec 31, 2042             | Jan 1, 2066                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2043 - Dec 31, 2043             | Jan 1, 2067                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2044 - Dec 31, 2044             | Jan 1, 2068                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2045 - Dec 31, 2045             | Jan 1, 2069                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2046 - Dec 31, 2046             | Jan 1, 2070                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2047 - Dec 31, 2047             | Jan 1, 2071                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2048 - Dec 31, 2048             | Jan 1, 2072                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2049 - Dec 31, 2049             | Jan 1, 2073                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2050 - Dec 31, 2050             | Jan 1, 2074                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2051 - Dec 31, 2051             | Jan 1, 2075                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2052 - Dec 31, 2052             | Jan 1, 2076                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2053 - Dec 31, 2053             | Jan 1, 2077                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2054 - Dec 31, 2054             | Jan 1, 2078                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2055 - Dec 31, 2055             | Jan 1, 2079                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2056 - Dec 31, 2056             | Jan 1, 2080                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2057 - Dec 31, 2057             | Jan 1, 2081                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2058 - Dec 31, 2058             | Jan 1, 2082                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2059 - Dec 31, 2059             | Jan 1, 2083                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2060 - Dec 31, 2060             | Jan 1, 2084                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2061 - Dec 31, 2061             | Jan 1, 2085                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2062 - Dec 31, 2062             | Jan 1, 2086                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2063 - Dec 31, 2063             | Jan 1, 2087                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2064 - Dec 31, 2064             | Jan 1, 2088                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2065 - Dec 31, 2065             | Jan 1, 2089                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2066 - Dec 31, 2066             | Jan 1, 2090                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2067 - Dec 31, 2067             | Jan 1, 2091                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2068 - Dec 31, 2068             | Jan 1, 2092                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2069 - Dec 31, 2069             | Jan 1, 2093                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2070 - Dec 31, 2070             | Jan 1, 2094                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2071 - Dec 31, 2071             | Jan 1, 2095                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2072 - Dec 31, 2072             | Jan 1, 2096                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2073 - Dec 31, 2073             | Jan 1, 2097                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2074 - Dec 31, 2074             | Jan 1, 2098                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2075 - Dec 31, 2075             | Jan 1, 2099                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2076 - Dec 31, 2076             | Jan 1, 2100                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2077 - Dec 31, 2077             | Jan 1, 2101                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2078 - Dec 31, 2078             | Jan 1, 2102                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2079 - Dec 31, 2079             | Jan 1, 2103                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2080 - Dec 31, 2080             | Jan 1, 2104                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2081 - Dec 31, 2081             | Jan 1, 2105                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2082 - Dec 31, 2082             | Jan 1, 2106                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2083 - Dec 31, 2083             | Jan 1, 2107                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2084 - Dec 31, 2084             | Jan 1, 2108                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2085 - Dec 31, 2085             | Jan 1, 2109                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2086 - Dec 31, 2086             | Jan 1, 2110                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2087 - Dec 31, 2087             | Jan 1, 2111                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2088 - Dec 31, 2088             | Jan 1, 2112                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2089 - Dec 31, 2089             | Jan 1, 2113                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2090 - Dec 31, 2090             | Jan 1, 2114                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2091 - Dec 31, 2091             | Jan 1, 2115                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2092 - Dec 31, 2092             | Jan 1, 2116                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2093 - Dec 31, 2093             | Jan 1, 2117                                                            |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2094 - Dec 31, 2094             | Jan 1, 2118                                                            |                                        |                            | </                         |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |

## Incentive Funding Surplus Years Chart

| Baseline Locomotive Engine Build Date* | Baseline Locomotive Cannot Operate in CA or Must be ZE Operation by ** | Project Post Inspected (Date Below)*** |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
|----------------------------------------|------------------------------------------------------------------------|----------------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
|                                        |                                                                        | Jan 1, 2023 - Dec 31, 2023             | Jan 1, 2024 - Dec 31, 2024 | Jan 1, 2025 - Dec 31, 2025 | Jan 1, 2026 - Dec 31, 2026 | Jan 1, 2027 - Dec 31, 2027 | Jan 1, 2028 - Dec 31, 2028 | Jan 1, 2029 - Dec 31, 2029 | Jan 1, 2030 - Dec 31, 2030 | Jan 1, 2031 - Dec 31, 2031 | Jan 1, 2032 - Dec 31, 2032 | Jan 1, 2033 - Dec 31, 2033 | Jan 1, 2034 - Dec 31, 2034 | Jan 1, 2035 - Dec 31, 2035 | Jan 1, 2036 - Dec 31, 2036 | Jan 1, 2037 - Dec 31, 2037 | Jan 1, 2038 - Dec 31, 2038 | Jan 1, 2039 - Dec 31, 2039 | Jan 1, 2040 - Dec 31, 2040 | Jan 1, 2041 - Dec 31, 2041 | Jan 1, 2042 - Dec 31, 2042 | Jan 1, 2043 - Dec 31, 2043 |
|                                        |                                                                        |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| 2012 - Dec 31, 2012                    | 2036                                                                   |                                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2013 - Dec 31, 2013             | Jan 1, 2037                                                            | 13                                     | 12                         | 11                         | 10                         | 9                          | 8                          | 7                          | 6                          | 5                          | 4                          | 3                          |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2014 - Dec 31, 2014             | Jan 1, 2038                                                            | 14                                     | 13                         | 12                         | 11                         | 10                         | 9                          | 8                          | 7                          | 6                          | 5                          | 4                          | 3                          |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2015 - Dec 31, 2015             | Jan 1, 2039                                                            | 15                                     | 14                         | 13                         | 12                         | 11                         | 10                         | 9                          | 8                          | 7                          | 6                          | 5                          | 4                          | 3                          |                            |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2016 - Dec 31, 2016             | Jan 1, 2040                                                            | 15                                     | 15                         | 14                         | 13                         | 12                         | 11                         | 10                         | 9                          | 8                          | 7                          | 6                          | 5                          | 4                          | 3                          |                            |                            |                            |                            |                            |                            |                            |
| Jan 1, 2017 - Dec 31, 2017             | Jan 1, 2041                                                            | 15                                     | 15                         | 15                         | 14                         | 13                         | 12                         | 11                         | 10                         | 9                          | 8                          | 7                          | 6                          | 5                          | 4                          | 3                          |                            |                            |                            |                            |                            |                            |
| Jan 1, 2018 -                          | Jan 1, 2042                                                            | 15                                     | 15                         | 15                         | 15                         | 14                         | 13                         | 12                         | 11                         | 10                         | 9                          | 8                          | 7                          | 6                          | 5                          | 4                          | 3                          |                            |                            |                            |                            |                            |

## Incentive Funding Surplus Years Chart

| Baseline Locomotive Engine Build Date* | Baseline Locomotive Cannot Operate in CA or Must be ZE Operation by ** | Project Post Inspected (Date Below)*** |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |
|----------------------------------------|------------------------------------------------------------------------|----------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
|                                        |                                                                        | Jan 1, 2023                            | Jan 1, 2024  | Jan 1, 2025  | Jan 1, 2026  | Jan 1, 2027  | Jan 1, 2028  | Jan 1, 2029  | Jan 1, 2030  | Jan 1, 2031  | Jan 1, 2032  | Jan 1, 2033  | Jan 1, 2034  | Jan 1, 2035  | Jan 1, 2036  | Jan 1, 2037  | Jan 1, 2038  | Jan 1, 2039  | Jan 1, 2040  | Jan 1, 2041  | Jan 1, 2042  | Jan 1, 2043  |
|                                        |                                                                        | Dec 31, 2023                           | Dec 31, 2024 | Dec 31, 2025 | Dec 31, 2026 | Dec 31, 2027 | Dec 31, 2028 | Dec 31, 2029 | Dec 31, 2030 | Dec 31, 2031 | Dec 31, 2032 | Dec 31, 2033 | Dec 31, 2034 | Dec 31, 2035 | Dec 31, 2036 | Dec 31, 2037 | Dec 31, 2038 | Dec 31, 2039 | Dec 31, 2040 | Dec 31, 2041 | Dec 31, 2042 | Dec 31, 2043 |
| Dec 31, 2018                           |                                                                        |                                        |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |
| Jan 1, 2019 - Dec 31, 2019             | Jan 1, 2043                                                            | 15                                     | 15           | 15           | 15           | 15           | 14           | 13           | 12           | 11           | 10           | 9            | 8            | 7            | 6            | 5            | 4            | 3            |              |              |              |              |

### Notes:

\* Primary engine original build date

\*\* There may be circumstances in which extensions to these dates are possible. For more details, see the In-Use Operational Requirements section of the In-Use Locomotive Regulation.

\*\*\* Post inspection date occurs after contract execution, when the equipment is operational and post inspected by the Air District.

Moyer requires replacement Locomotives must be Tier 4 or cleaner. The Baseline Locomotive must be scrapped.

### Key:

|                       |
|-----------------------|
| Surplus Exist (Years) |
| Limited Surplus       |
| No Surplus            |

## Incentive Funding Surplus Years Table

| Baseline Locomotive Engine Build Date* | Baseline Locomotive Cannot Operate in CA or Must be ZE Operation by ** | Project Post Inspection Date *** | Maximum Project life |
|----------------------------------------|------------------------------------------------------------------------|----------------------------------|----------------------|
| <b>On or Before Dec 31, 2006</b>       | Jan 1, 2030                                                            | Jan 1, 2023 - Dec 31, 2023       | 6 Years              |
|                                        |                                                                        | Jan 1, 2024 - Dec 31, 2024       | 5 Years              |
|                                        |                                                                        | Jan 1, 2025 - Dec 31, 2025       | 4 Years              |
|                                        |                                                                        | Jan 1, 2026 - Dec 31, 2026       | 3 Years              |
| <b>Jan 1, 2007 - Dec 31, 2007</b>      | Jan 1, 2031                                                            | Jan 1, 2023 - Dec 31, 2023       | 7 Years              |
|                                        |                                                                        | Jan 1, 2024 - Dec 31, 2024       | 6 Years              |
|                                        |                                                                        | Jan 1, 2025 - Dec 31, 2025       | 5 Years              |
|                                        |                                                                        | Jan 1, 2026 - Dec 31, 2026       | 4 Years              |
|                                        |                                                                        | Jan 1, 2027 - Dec 31, 2027       | 3 Years              |
| <b>Jan 1, 2008 - Dec 31, 2008</b>      | Jan 1, 2032                                                            | Jan 1, 2023 - Dec 31, 2023       | 8 Years              |
|                                        |                                                                        | Jan 1, 2024 - Dec 31, 2024       | 7 Years              |
|                                        |                                                                        | Jan 1, 2025 - Dec 31, 2025       | 6 Years              |
|                                        |                                                                        | Jan 1, 2026 - Dec 31, 2026       | 5 Years              |
|                                        |                                                                        | Jan 1, 2027 - Dec 31, 2027       | 4 Years              |
|                                        |                                                                        | Jan 1, 2028 - Dec 31, 2028       | 3 Years              |
| <b>Jan 1, 2009 - Dec 31, 2009</b>      | Jan 1, 2033                                                            | Jan 1, 2023 - Dec 31, 2023       | 9 Years              |
|                                        |                                                                        | Jan 1, 2024 - Dec 31, 2024       | 8 Years              |
|                                        |                                                                        | Jan 1, 2025 - Dec 31, 2025       | 7 Years              |
|                                        |                                                                        | Jan 1, 2026 - Dec 31, 2026       | 6 Years              |
|                                        |                                                                        | Jan 1, 2027 - Dec 31, 2027       | 5 Years              |
|                                        |                                                                        | Jan 1, 2028 - Dec 31, 2028       | 4 Years              |
|                                        |                                                                        | Jan 1, 2029 - Dec 31, 2029       | 3 Years              |
| <b>Jan 1, 2010 - Dec 31, 2010</b>      | Jan 1, 2034                                                            | Jan 1, 2023 - Dec 31, 2023       | 10 Years             |
|                                        |                                                                        | Jan 1, 2024 - Dec 31, 2024       | 9 Years              |
|                                        |                                                                        | Jan 1, 2025 - Dec 31, 2025       | 8 Years              |

## Incentive Funding Surplus Years Table

| Baseline Locomotive Engine Build Date* | Baseline Locomotive Cannot Operate in CA or Must be ZE Operation by ** | Project Post Inspection Date *** | Maximum Project life |
|----------------------------------------|------------------------------------------------------------------------|----------------------------------|----------------------|
|                                        |                                                                        | Jan 1, 2026 - Dec 31, 2026       | 7 Years              |
|                                        |                                                                        | Jan 1, 2027 - Dec 31, 2027       | 6 Years              |
|                                        |                                                                        | Jan 1, 2028 - Dec 31, 2028       | 5 Years              |
|                                        |                                                                        | Jan 1, 2029 - Dec 31, 2029       | 4 Years              |
|                                        |                                                                        | Jan 1, 2030 - Dec 31, 2030       | 3 Years              |
| <b>Jan 1, 2011 - Dec 31, 2011</b>      | Jan 1, 2035                                                            | Jan 1, 2023 - Dec 31, 2023       | 11 Years             |
|                                        |                                                                        | Jan 1, 2024 - Dec 31, 2024       | 10 Years             |
|                                        |                                                                        | Jan 1, 2025 - Dec 31, 2025       | 9 Years              |
|                                        |                                                                        | Jan 1, 2026 - Dec 31, 2026       | 8 Years              |
|                                        |                                                                        | Jan 1, 2027 - Dec 31, 2027       | 7 Years              |
|                                        |                                                                        | Jan 1, 2028 - Dec 31, 2028       | 6 Years              |
|                                        |                                                                        | Jan 1, 2029 - Dec 31, 2029       | 5 Years              |
|                                        |                                                                        | Jan 1, 2030 - Dec 31, 2030       | 4 Years              |
|                                        |                                                                        | Jan 1, 2031 - Dec 31, 2031       | 3 Years              |
| <b>Jan 1, 2012 - Dec 31, 2012</b>      | Jan 1, 2036                                                            | Jan 1, 2023 - Dec 31, 2023       | 12 Years             |
|                                        |                                                                        | Jan 1, 2024 - Dec 31, 2024       | 11 Years             |
|                                        |                                                                        | Jan 1, 2025 - Dec 31, 2025       | 10 Years             |
|                                        |                                                                        | Jan 1, 2026 - Dec 31, 2026       | 9 Years              |
|                                        |                                                                        | Jan 1, 2027 - Dec 31, 2027       | 8 Years              |
|                                        |                                                                        | Jan 1, 2028 - Dec 31, 2028       | 7 Years              |
|                                        |                                                                        | Jan 1, 2029 - Dec 31, 2029       | 6 Years              |
|                                        |                                                                        | Jan 1, 2030 - Dec 31, 2030       | 5 Years              |
|                                        |                                                                        | Jan 1, 2031 - Dec 31, 2031       | 4 Years              |
|                                        |                                                                        | Jan 1, 2032 - Dec 31, 2032       | 3 Years              |
| <b>Jan 1, 2013 - Dec 31, 2013</b>      | Jan 1, 2037                                                            | Jan 1, 2023 - Dec 31, 2023       | 13 Years             |

## Incentive Funding Surplus Years Table

| Baseline Locomotive Engine Build Date* | Baseline Locomotive Cannot Operate in CA or Must be ZE Operation by ** | Project Post Inspection Date *** | Maximum Project life |
|----------------------------------------|------------------------------------------------------------------------|----------------------------------|----------------------|
|                                        |                                                                        | Jan 1, 2024 - Dec 31, 2024       | 12 Years             |
|                                        |                                                                        | Jan 1, 2025 - Dec 31, 2025       | 11 Years             |
|                                        |                                                                        | Jan 1, 2026 - Dec 31, 2026       | 10 Years             |
|                                        |                                                                        | Jan 1, 2027 - Dec 31, 2027       | 9 Years              |
|                                        |                                                                        | Jan 1, 2028 - Dec 31, 2028       | 8 Years              |
|                                        |                                                                        | Jan 1, 2029 - Dec 31, 2029       | 7 Years              |
|                                        |                                                                        | Jan 1, 2030 - Dec 31, 2030       | 6 Years              |
|                                        |                                                                        | Jan 1, 2031 - Dec 31, 2031       | 5 Years              |
|                                        |                                                                        | Jan 1, 2032 - Dec 31, 2032       | 4 Years              |
|                                        |                                                                        | Jan 1, 2033 - Dec 31, 2033       | 3 Years              |
| <b>Jan 1, 2014 - Dec 31, 2014</b>      | Jan 1, 2038                                                            | Jan 1, 2023 - Dec 31, 2023       | 14 Years             |
|                                        |                                                                        | Jan 1, 2024 - Dec 31, 2024       | 13 Years             |
|                                        |                                                                        | Jan 1, 2025 - Dec 31, 2025       | 12 Years             |
|                                        |                                                                        | Jan 1, 2026 - Dec 31, 2026       | 11 Years             |
|                                        |                                                                        | Jan 1, 2027 - Dec 31, 2027       | 10 Years             |
|                                        |                                                                        | Jan 1, 2028 - Dec 31, 2028       | 9 Years              |
|                                        |                                                                        | Jan 1, 2029 - Dec 31, 2029       | 8 Years              |
|                                        |                                                                        | Jan 1, 2030 - Dec 31, 2030       | 7 Years              |
|                                        |                                                                        | Jan 1, 2031 - Dec 31, 2031       | 6 Years              |
|                                        |                                                                        | Jan 1, 2032 - Dec 31, 2032       | 5 Years              |
|                                        |                                                                        | Jan 1, 2033 - Dec 31, 2033       | 4 Years              |
|                                        |                                                                        | Jan 1, 2034 - Dec 31, 2034       | 3 Years              |
| <b>Jan 1, 2015 - Dec 31, 2015</b>      | Jan 1, 2039                                                            | Jan 1, 2023 - Dec 31, 2023       | 15 Years             |
|                                        |                                                                        | Jan 1, 2024 - Dec 31, 2024       | 14 Years             |
|                                        |                                                                        | Jan 1, 2025 - Dec 31, 2025       | 13 Years             |



## Incentive Funding Surplus Years Table

| Baseline Locomotive Engine Build Date* | Baseline Locomotive Cannot Operate in CA or Must be ZE Operation by ** | Project Post Inspection Date *** | Maximum Project life |
|----------------------------------------|------------------------------------------------------------------------|----------------------------------|----------------------|
|                                        |                                                                        | Jan 1, 2026 - Dec 31, 2026       | 12 Years             |
|                                        |                                                                        | Jan 1, 2027 - Dec 31, 2027       | 11 Years             |
|                                        |                                                                        | Jan 1, 2028 - Dec 31, 2028       | 10 Years             |
|                                        |                                                                        | Jan 1, 2029 - Dec 31, 2029       | 9 Years              |
|                                        |                                                                        | Jan 1, 2030 - Dec 31, 2030       | 8 Years              |
|                                        |                                                                        | Jan 1, 2031 - Dec 31, 2031       | 7 Years              |
|                                        |                                                                        | Jan 1, 2032 - Dec 31, 2032       | 6 Years              |
|                                        |                                                                        | Jan 1, 2033 - Dec 31, 2033       | 5 Years              |
|                                        |                                                                        | Jan 1, 2034 - Dec 31, 2034       | 4 Years              |
|                                        |                                                                        | Jan 1, 2035 - Dec 31, 2035       | 3 Years              |
| <b>Jan 1, 2016 - Dec 31, 2016</b>      | Jan 1, 2040                                                            | Jan 1, 2023 - Dec 31, 2023       | 15 Years             |
|                                        |                                                                        | Jan 1, 2024 - Dec 31, 2024       | 15 Years             |
|                                        |                                                                        | Jan 1, 2025 - Dec 31, 2025       | 14 Years             |
|                                        |                                                                        | Jan 1, 2026 - Dec 31, 2026       | 13 Years             |
|                                        |                                                                        | Jan 1, 2027 - Dec 31, 2027       | 12 Years             |
|                                        |                                                                        | Jan 1, 2028 - Dec 31, 2028       | 11 Years             |
|                                        |                                                                        | Jan 1, 2029 - Dec 31, 2029       | 10 Years             |
|                                        |                                                                        | Jan 1, 2030 - Dec 31, 2030       | 9 Years              |
|                                        |                                                                        | Jan 1, 2031 - Dec 31, 2031       | 8 Years              |
|                                        |                                                                        | Jan 1, 2032 - Dec 31, 2032       | 7 Years              |
|                                        |                                                                        | Jan 1, 2033 - Dec 31, 2033       | 6 Years              |
|                                        |                                                                        | Jan 1, 2034 - Dec 31, 2034       | 5 Years              |
|                                        |                                                                        | Jan 1, 2035 - Dec 31, 2035       | 4 Years              |
|                                        |                                                                        | Jan 1, 2036 - Dec 31, 2036       | 3 Years              |
| <b>Jan 1, 2017 - Dec 31, 2017</b>      | Jan 1, 2041                                                            | Jan 1, 2023 - Dec 31, 2023       | 15 Years             |

## Incentive Funding Surplus Years Table

| Baseline Locomotive Engine Build Date* | Baseline Locomotive Cannot Operate in CA or Must be ZE Operation by ** | Project Post Inspection Date *** | Maximum Project life |
|----------------------------------------|------------------------------------------------------------------------|----------------------------------|----------------------|
|                                        |                                                                        | Jan 1, 2024 - Dec 31, 2024       | 15 Years             |
|                                        |                                                                        | Jan 1, 2025 - Dec 31, 2025       | 15 Years             |
|                                        |                                                                        | Jan 1, 2026 - Dec 31, 2026       | 14 Years             |
|                                        |                                                                        | Jan 1, 2027 - Dec 31, 2027       | 13 Years             |
|                                        |                                                                        | Jan 1, 2028 - Dec 31, 2028       | 12 Years             |
|                                        |                                                                        | Jan 1, 2029 - Dec 31, 2029       | 11 Years             |
|                                        |                                                                        | Jan 1, 2030 - Dec 31, 2030       | 10 Years             |
|                                        |                                                                        | Jan 1, 2031 - Dec 31, 2031       | 9 Years              |
|                                        |                                                                        | Jan 1, 2032 - Dec 31, 2032       | 8 Years              |
|                                        |                                                                        | Jan 1, 2033 - Dec 31, 2033       | 7 Years              |
|                                        |                                                                        | Jan 1, 2034 - Dec 31, 2034       | 6 Years              |
|                                        |                                                                        | Jan 1, 2035 - Dec 31, 2035       | 5 Years              |
|                                        |                                                                        | Jan 1, 2036 - Dec 31, 2036       | 4 Years              |
|                                        |                                                                        | Jan 1, 2037 - Dec 31, 2037       | 3 Years              |
| <b>Jan 1, 2018 - Dec 31, 2018</b>      | Jan 1, 2042                                                            | Jan 1, 2023 - Dec 31, 2023       | 15 Years             |
|                                        |                                                                        | Jan 1, 2024 - Dec 31, 2024       | 15 Years             |
|                                        |                                                                        | Jan 1, 2025 - Dec 31, 2025       | 15 Years             |
|                                        |                                                                        | Jan 1, 2026 - Dec 31, 2026       | 15 Years             |
|                                        |                                                                        | Jan 1, 2027 - Dec 31, 2027       | 14 Years             |
|                                        |                                                                        | Jan 1, 2028 - Dec 31, 2028       | 13 Years             |
|                                        |                                                                        | Jan 1, 2029 - Dec 31, 2029       | 12 Years             |
|                                        |                                                                        | Jan 1, 2030 - Dec 31, 2030       | 11 Years             |
|                                        |                                                                        | Jan 1, 2031 - Dec 31, 2031       | 10 Years             |
|                                        |                                                                        | Jan 1, 2032 - Dec 31, 2032       | 9 Years              |
|                                        |                                                                        | Jan 1, 2033 - Dec 31, 2033       | 8 Years              |

## Incentive Funding Surplus Years Table

| Baseline Locomotive Engine Build Date* | Baseline Locomotive Cannot Operate in CA or Must be ZE Operation by ** | Project Post Inspection Date *** | Maximum Project life |
|----------------------------------------|------------------------------------------------------------------------|----------------------------------|----------------------|
|                                        |                                                                        | Jan 1, 2034 - Dec 31, 2034       | 7 Years              |
|                                        |                                                                        | Jan 1, 2035 - Dec 31, 2035       | 6 Years              |
|                                        |                                                                        | Jan 1, 2036 - Dec 31, 2036       | 5 Years              |
|                                        |                                                                        | Jan 1, 2037 - Dec 31, 2037       | 4 Years              |
|                                        |                                                                        | Jan 1, 2038 - Dec 31, 2038       | 3 Years              |
| <b>Jan 1, 2019 - Dec 31, 2019</b>      | Jan 1, 2043                                                            | Jan 1, 2023 - Dec 31, 2023       | 15 Years             |
|                                        |                                                                        | Jan 1, 2024 - Dec 31, 2024       | 15 Years             |
|                                        |                                                                        | Jan 1, 2025 - Dec 31, 2025       | 15 Years             |
|                                        |                                                                        | Jan 1, 2026 - Dec 31, 2026       | 15 Years             |
|                                        |                                                                        | Jan 1, 2027 - Dec 31, 2027       | 15 Years             |
|                                        |                                                                        | Jan 1, 2028 - Dec 31, 2028       | 14 Years             |
|                                        |                                                                        | Jan 1, 2029 - Dec 31, 2029       | 13 Years             |
|                                        |                                                                        | Jan 1, 2030 - Dec 31, 2030       | 12 Years             |
|                                        |                                                                        | Jan 1, 2031 - Dec 31, 2031       | 11 Years             |
|                                        |                                                                        | Jan 1, 2032 - Dec 31, 2032       | 10 Years             |
|                                        |                                                                        | Jan 1, 2033 - Dec 31, 2033       | 9 Years              |
|                                        |                                                                        | Jan 1, 2034 - Dec 31, 2034       | 8 Years              |
|                                        |                                                                        | Jan 1, 2035 - Dec 31, 2035       | 7 Years              |
|                                        |                                                                        | Jan 1, 2036 - Dec 31, 2036       | 6 Years              |
|                                        |                                                                        | Jan 1, 2037 - Dec 31, 2037       | 5 Years              |
|                                        |                                                                        | Jan 1, 2038 - Dec 31, 2038       | 4 Years              |
|                                        |                                                                        | Jan 1, 2039 - Dec 31, 2039       | 3 Years              |