**ENGINE POWER PLANT DECISION MATRIX**

(Matrix indicates trends only; specific pricing and analysis is required)

(Operating cost per mile a function of overall fuel cost and fuel economy)

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Gasoline** | **E85** | **Diesel** | **B20**  **Bio-Diesel** | **Mild Electric Hybrid** | **Bi-Fuel Propane** | **Bi-Fuel CNG** | **2-Mode Electric Hybrid** | **Plug-in**  **Hybrid Electric** | **Dedicated**  **Propane System** | **Dedicated**  **CNG System** |
| **Initial Cost** | $ | $ | $$$ | $$$ | $$$ | $$$$ | $$$$$ | $$$ | $$$$$ | $$$$$ | $$$$$ |
| **Purchase Tax Incentive** | N/A | N/A | N/A | N/A | N/A | N/A | N/A | $$ | $$ | $$$$$ | $$$$$ |
| **Overall**  **Purchase Cost** | **$** | **$** | **$$$** | **$$$** | **$$$** | **$$$$** | **$$$$** | **$$$** | **$$$$$** | **$$$** | **$$$$** |
| **Fuel**  **Capacity** | ++++ | ++++ | ++++ | ++++ | +++ | +++++ | +++++ | ++++ | ++ | ++++ | + |
| **Fuel Economy** | +++ | ++ | ++ | +++ | ++++ | +++ | ++ | +++++ | +++++ | +++ | + |
| **Fuel Cost** | $$$$ | $$$ | $$$$$ | $$$$ | $$$$ | $$$ | $$ | $$$$ | $$ | $$ | $ |
| **Fuel Tax**  **Incentive** | N/A | N/A | N/A | N/A | $$$ | $$$ | N/A | N/A | N/A | $$$ | $$$ |
| **Overall**  **Fuel Cost** | $$$$ | $$$ | $$$$$ | $$$$ | $$$$ | $$$ | $$ | $$$$ | $$ | $$ | $ |
| **Operating Cost per Mile** | **$$$$** | **$$$$** | **$$$$** | **$$$$** | **$$$** | **$$$** | **$$$** | **$$$** | **$** | **$$** | **$$$** |
| **Fuel**  **Infrastructure** | +++++ | ++ | +++++ | ++ | +++++ | +++ | +++ | +++++ | +++++ | ++ | + |
| **Service Infrastructure** | +++++ | +++++ | +++++ | +++++ | +++ | +++ | ++ | +++ | ++ | ++ | + |