

# TAGWeb in DER-VET

3 New Pre-Defined Use Cases



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# Background

- Three new pre-defined use cases have been added to the DER-VET Desktop App (GUI) with the release of [DER-VET version 1.3.0](#) in December 2024. These use cases were created using values from EPRI's TAGWeb application.
- [TAGWeb® \(Technical Assessment Guide Web\)](#) is an integrated, web-based software tool that provides current economic cost and technical performance data and analytical tools to assess power generation and storage technologies.

# TAGWeb BESS Case

Analysis Year, Project Start Year	2020
Book Life, Plant Life (years)	20
Pre-construction Time (years)	1
Commercial Service Date	2021
Unit Size, Gross (MW)	1
Process Capital and Other Owner Costs (\$/kWh)	595.87
Fixed Operation and Maintenance Costs (\$/kW-year)	21.66
Cycles per year	365
Inflation Rate (%)	2
Roundtrip Efficiency (%)	88.5

**Energy Storage – Lithium Ion Battery, 1 MW, 1-hour discharge, CA**

# TAGWeb PV Case

Analysis Year, Project Start Year	2022
Book Life, Plant Life (years)	30
Pre-construction Time (years)	1
Commercial Service Date	2023
Plant Nameplate Rating (MW)	20
Process Capital and Other Owner Costs (\$/kW AC)	1395.08
Fixed Operation and Maintenance Costs (\$/kW-year)	19.39
Inflation Rate (%)	2

**PV – Monocrystalline Silicon PV, W (NV), 20 MW, SAT, Nevada**

# TAGWeb ICE Case

Analysis Year, Project Start Year	2022
Book Life, Plant Life (years)	30
Pre-construction Time (years)	1
Commercial Service Date	2023
Unit Size, Gross (MW)	18.82
Number of Units	6
Unit Size, Net (MW)	18.35
Capacity Factor	40
Heat Rate (Btu/kWh)	8960
Fuel Type	Natural Gas
Process Capital and Other Owner Costs (\$/kW-generator)	1021.54
Fixed Operation and Maintenance Costs (\$/kW-year)	21.49
Inflation Rate (%)	2

**Internal Combustion Engine, 6X18 MW, SE (SC) < Natural Gas**



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