Battery Energy Storage

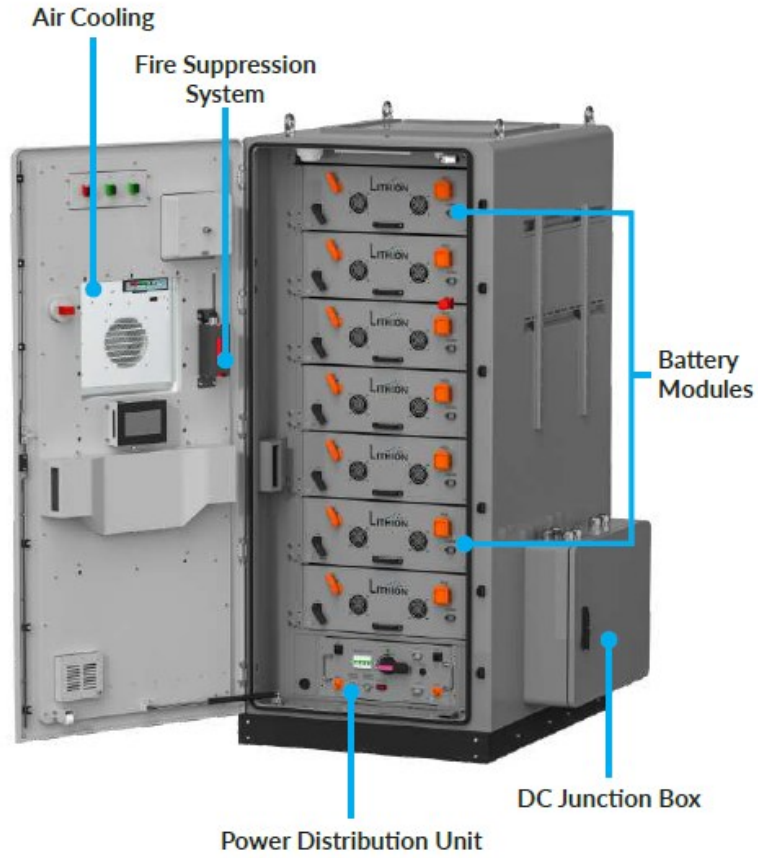
Jeremiah LeRoy

Projects Summary

Site Name	BESS Size (kWh)	% Complete	Target Completion Date	Primary Function	Notes
35 Woodfin	180	50%	12/15/2026	Cost savings	Installation contract executed; equipment received; scheduled
Leicester Library	54	50%	12/31/2026	Resilience	Installer selected; interlocal agreement signed
West Asheville Library	40.5	50%	12/14/2026	Resilience	Installation contract executed, equipment ordered; scheduled
IGRANTS	54	50%	12/19/2026	Resilience	Installation contract executed, equipment ordered; scheduled
Big Ivy Community Center	120	50%	1/22/2027	Resilience	Includes solar; installation contract executed; equipment ordered
Beech Community Center	27	50%	1/30/2027	Resilience	Includes solar; installation contract executed
EMS East	60	50%	2/28/2027	Cost savings	Design complete; equipment on order
East Asheville Library	120	30%	TBD	Resilience	Funding application in progress
General Services Complex	60	10%	TBD	Cost Savings	Pending CBDG funding
Fairview Library	60	10%	TBD	Resilience	Pending CBDG funding

35 Woodfin

- **System Size:** 180 kWh
- **Primary benefit:** Cost saving
- **Status:** Equipment received, installer under contract, scheduled
- **Partners:** NC EECBG, Infinite Energy Advisors, HomeGrid
- Piloting new technology, compatible with solar inverter

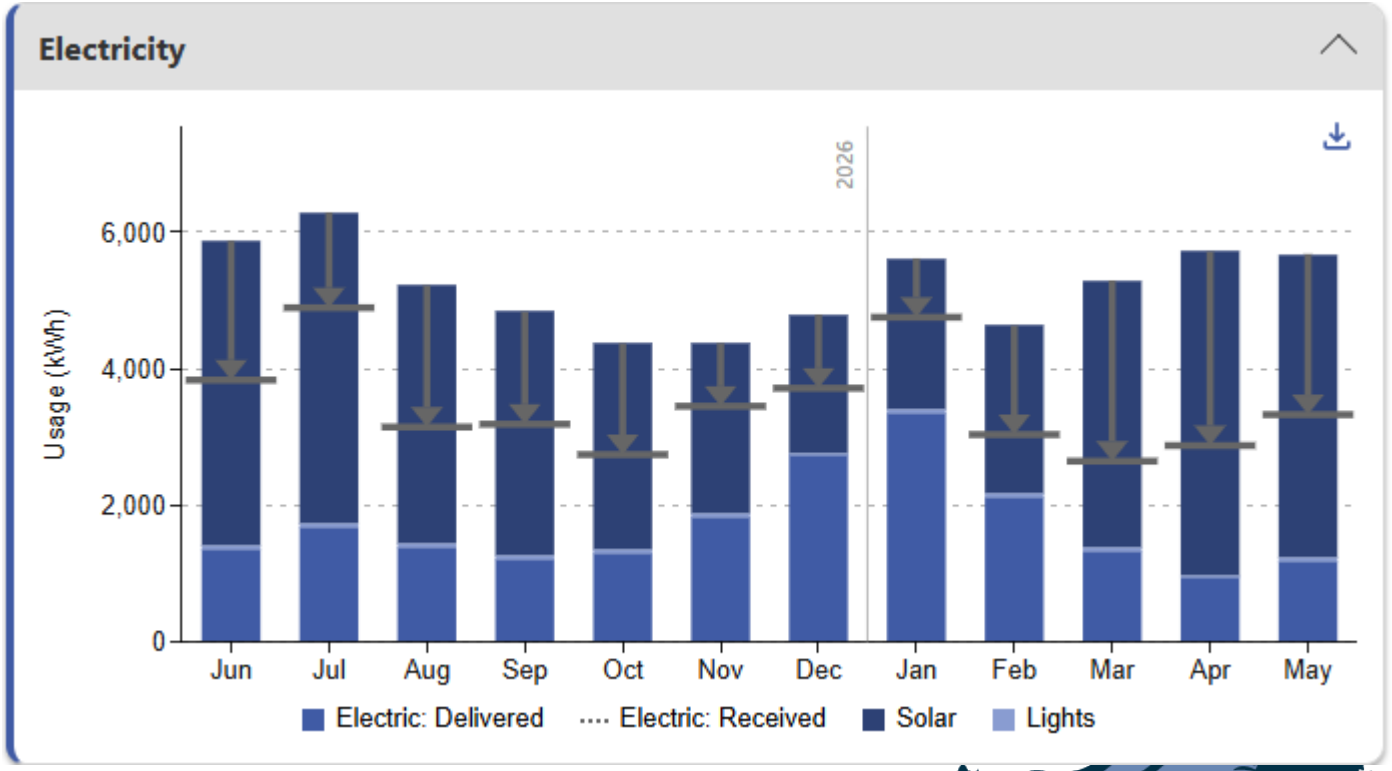


West AVL Library & IGRANTS



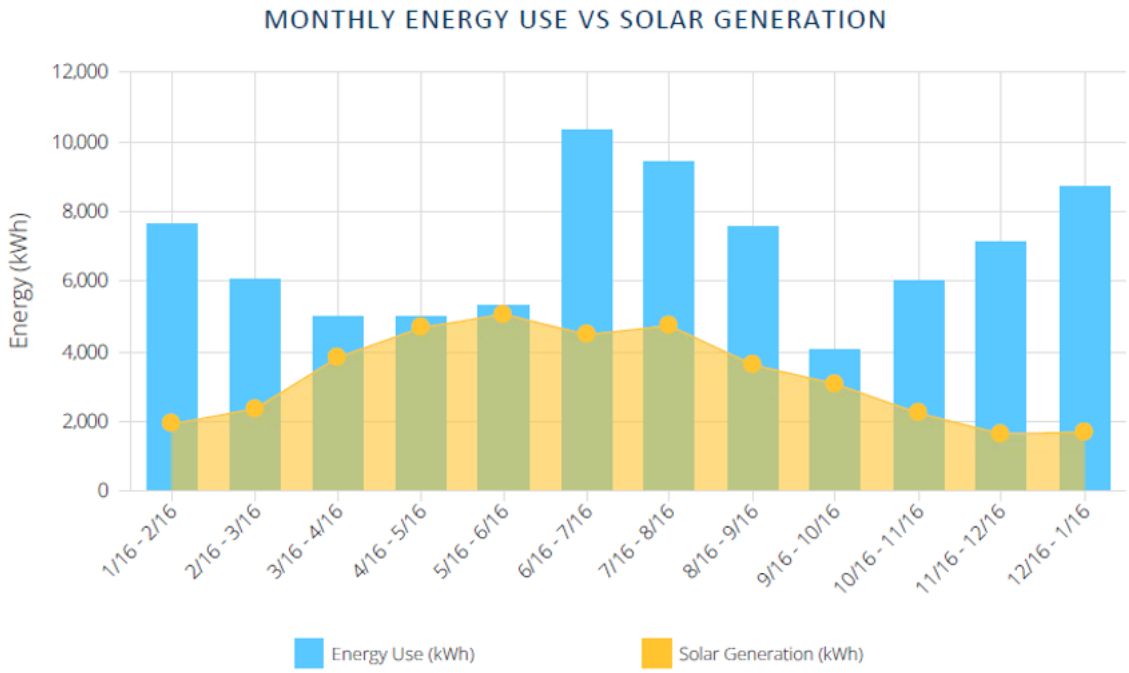
- Single phase facilities
- **System Size**: 40.5 (WAL) 54 (IGRANTS) kWh
- **Primary Benefit**: Resilience
- **Status**: Installer contract executed; install scheduled
- **Partner:**

  Rhino Renewables



Big Ivy Community Center

- **System Size**: battery: 120 kWh, solar 38.7 kW
- **Primary Benefit**: Resilience
- **Impact:** 45% reduction in electricity bill
- **Status**: Installer selected, safe harbored solar incentive, 'barn-raising' 1/22/27
- **Partners:** Solar Equity, Sugar Hollow
- 1st County project where solar and BESS were designed together





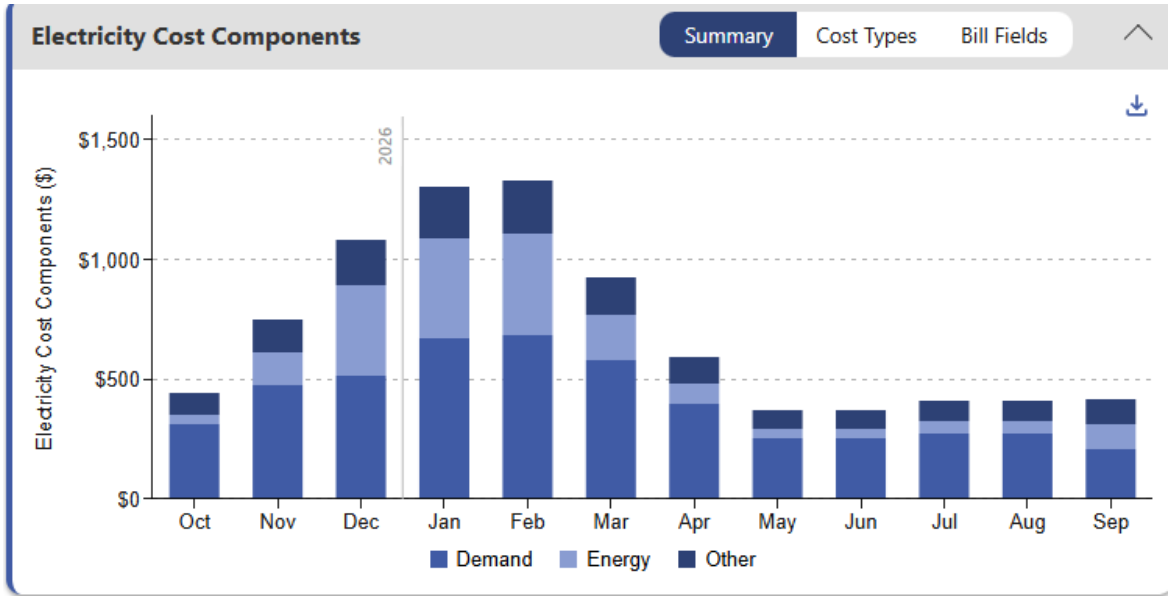
Beech Community Center

- **System Size**: 27 kWh BESS, 8.8 kW solar
- **Primary Benefit**: Resilience
- **Status**: Under contract
- **Partners**: Community Center, Renu



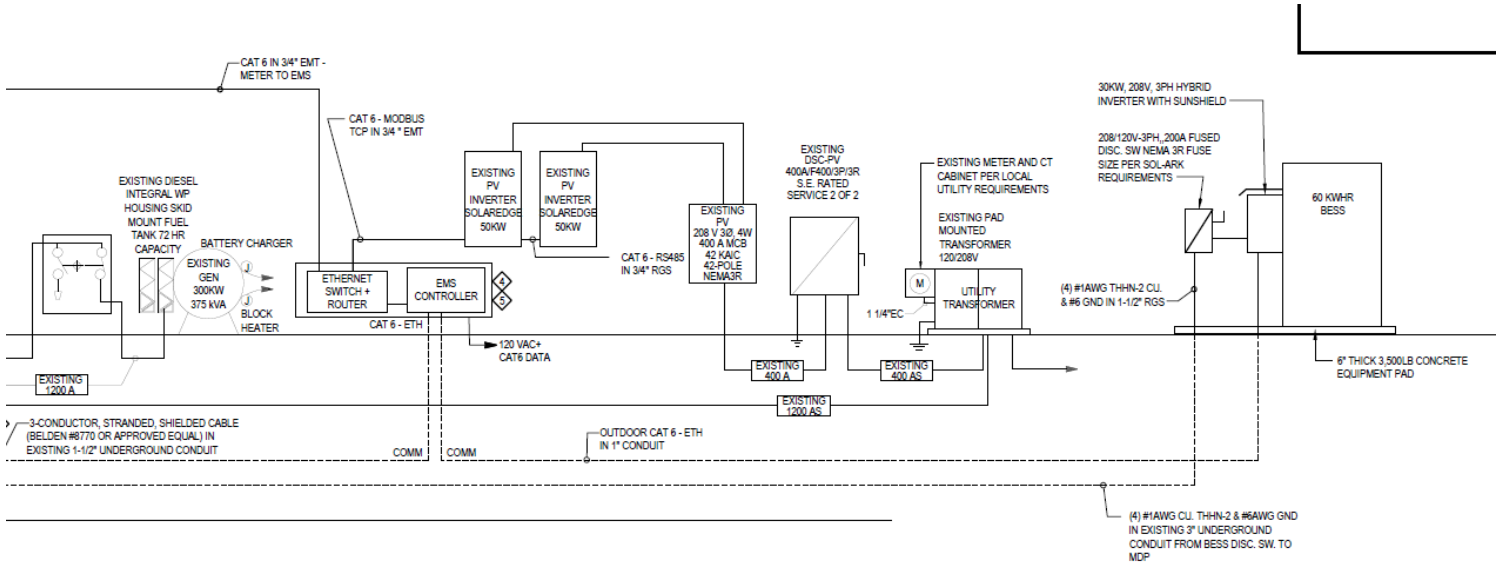
Leicester Library

- **System Size**: 54 kWh
- **Primary Benefit**: Resilience
- **Status**: Installer contract executed; install scheduled
- **Partners:** Rhino Renewables, Land of Sky
- Two EV chargers also being installed!



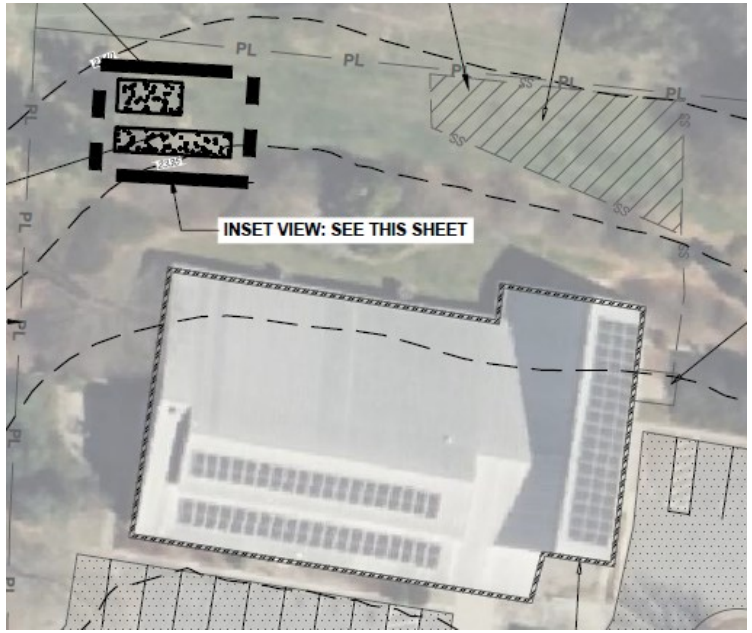
EMS East

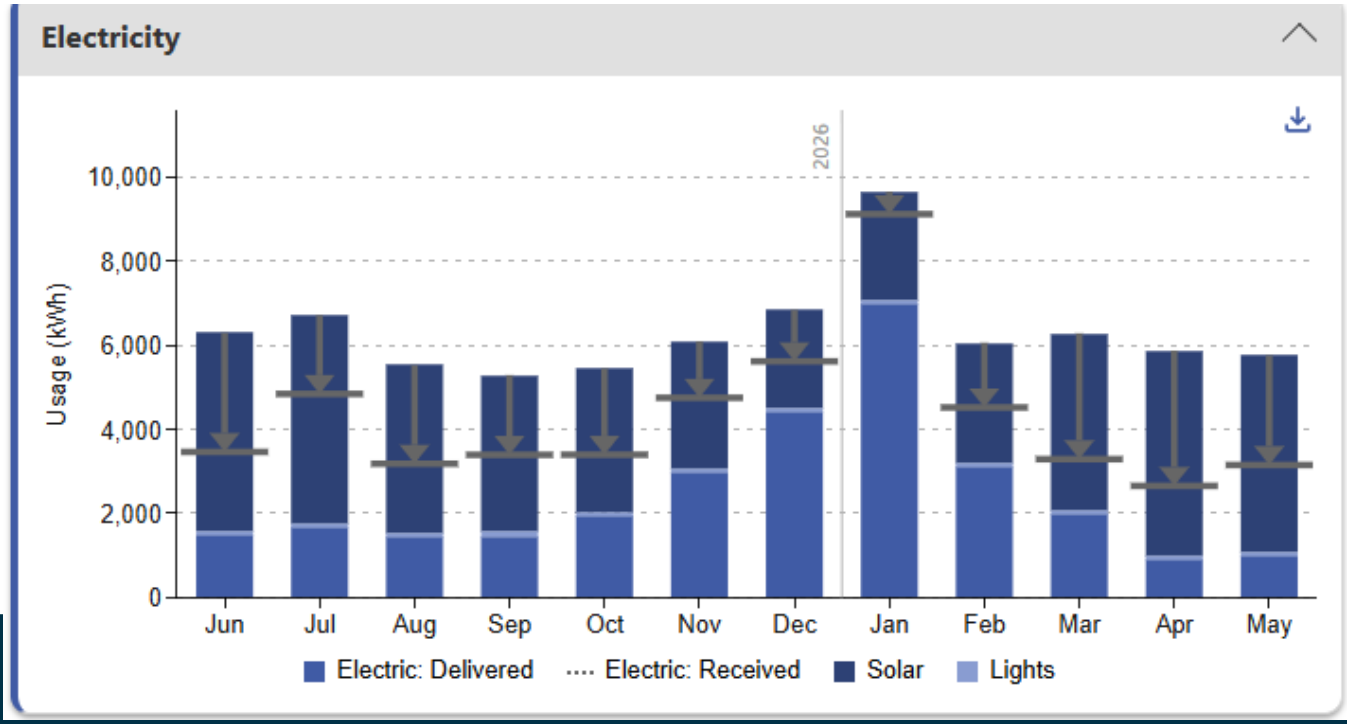
- **System Size**: 60 kWh
- **Primary Benefit**: Cost savings
- **Status**: to be installed during facility construction
- **Partners:** Sugar Hollow Solar



Fairview Library

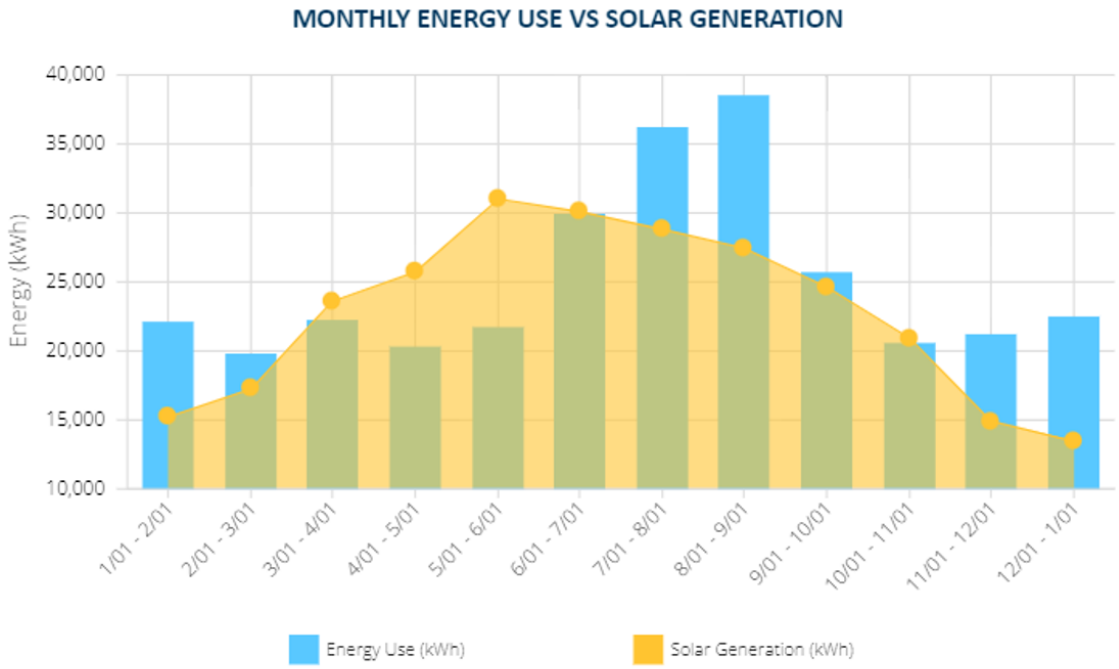
- **System Size**: 120 kWh BESS
- **Primary Benefit**: Resilience
- **Status**: Funding pending CBDG application
- **Impact:** Multi-day back-up power, eliminate electricity purchase 8 months/ year





General Services Complex

- **System Size**: 60 kWh BESS
- **Primary Benefit**: Cost savings
- **Status**: Funding pending CBDG application
- **Impact:** Maximize on-site use of renewables



Questions?