



**Texas
Energy Storage
TES INC**

Battery Energy Storage Systems (BESS)

How To Turn Waste EV Battery Packs Into an
Asset That Improves the Bottom Line

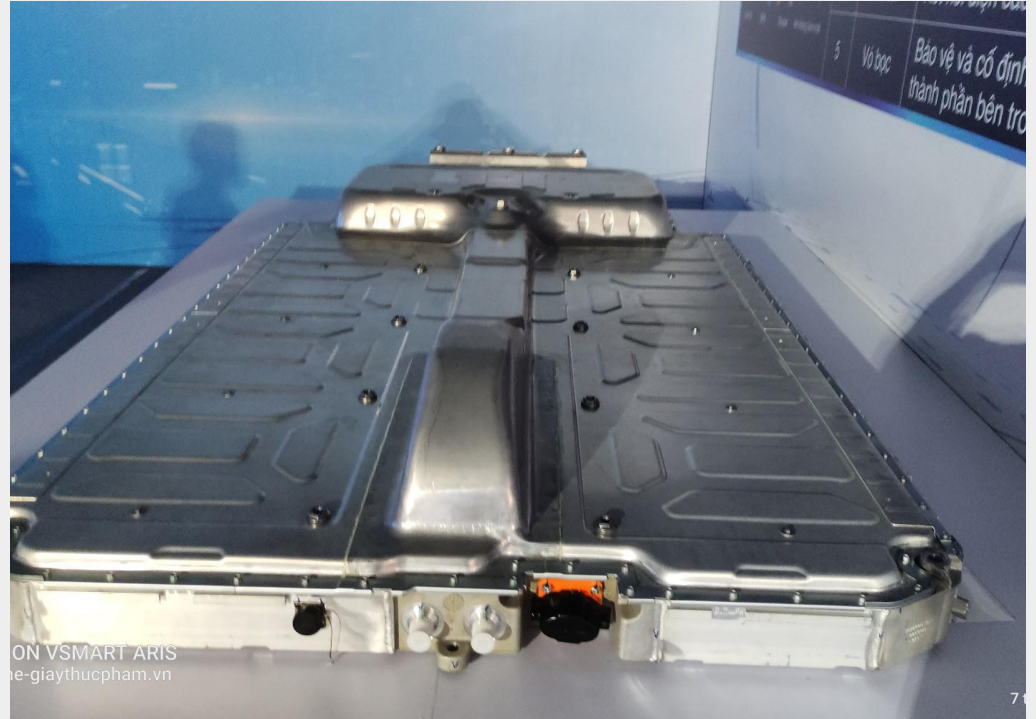
Contact: daniel@cmxi.org

Recycle and Reuse EV Batteries to Boost Revenue & Cut Costs

Recyclers Pay for EV Batteries

- Average price is \$0.50/lb
- Dealer pays for shipping
- The entire pack is recycled
- At a high estimate, owner nets \$1,000 per battery pack

There's a better way...



Solution: Reuse Good Cells, Recycle the Bad Ones

TES Will Manufacture BESS From Expired EV Battery Packs

- 17 Battery Packs
(Recycled Value \$17,000)
- TES Hardware 1 MWh BESS
(MSRP \$438,000)
- Deploy For Peak Shaving (Savings) and/or Power Arbitrage (Revenue) at Your Facilities



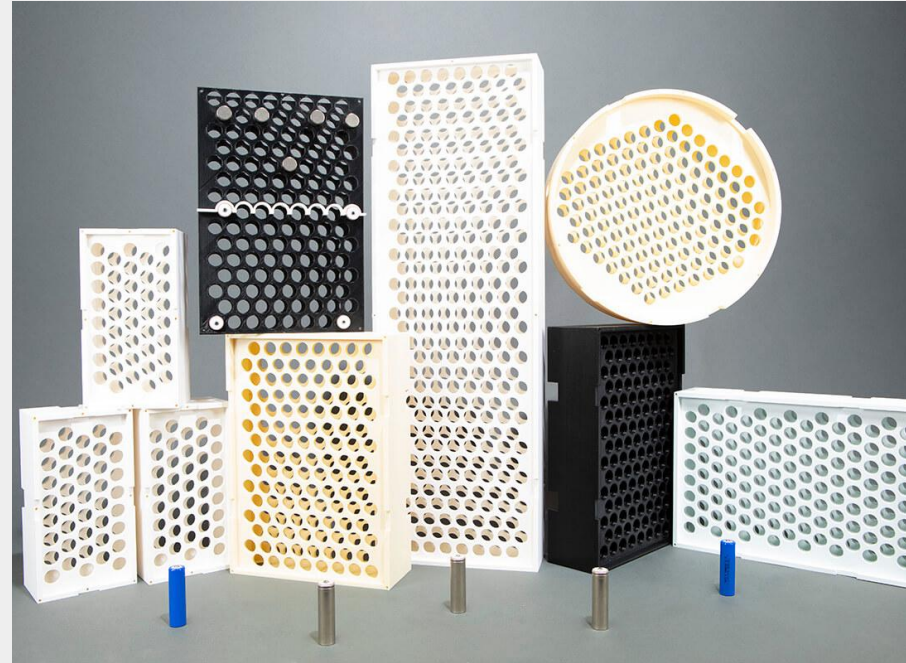
Why TES Battery Energy Storage Systems (BESS)?

Our patented technology has the following benefits:

- Eliminates Thermal Runaway
- Ability to Replace Individual Cells
- Competitive Cost Structure
- Long System Life
(20 to 30 Years)
- High Density
(4-5 MWh per 20ft Container)
- Battery Chemistry Agnostic

<https://ppubs.uspto.gov/dirsearch-public/print/downloadPdf/11296369>

<https://ppubs.uspto.gov/dirsearch-public/print/downloadPdf/11088401>



Estimated Cost to Produce a 1 MWh BESS

MSRP \$438k for a 1 MWh BESS - [Competitor's Price](#)

TES is seeking a partnership and pilot program with EV Charging Stations and will manufacture systems enterprise-wide on a cost plus (negotiated) profit basis. This will enable car dealers to utilize their scrap EV Batteries to the fullest; provide massive cost savings in implementing BESS for peak shaving, and to generate revenue through power arbitrage.

Cells	TES Hardware	Battery Cost	Total	Margin
First Life	\$80k	\$120k	\$200k	54%
Second Life	\$80k	\$17k Recycle Rev.	\$97k	78%

Return On Investment = 8.85 Return on Spend

Enterprise-wide (469 Locations)

CAPEX = 469 x \$80,000 = \$37,520,000

Peak Shaving Savings = 469 x \$12k/yr = \$5,628,000

of Years ROI = 6.7

Lifespan of System = 30 Years

Benefit: Peak Shaving Lifetime of System = \$168,840,000

Benefit: Savings by Cost Plus Manufacturing Contract = \$163,212,000

Total Benefit: \$332,052,000

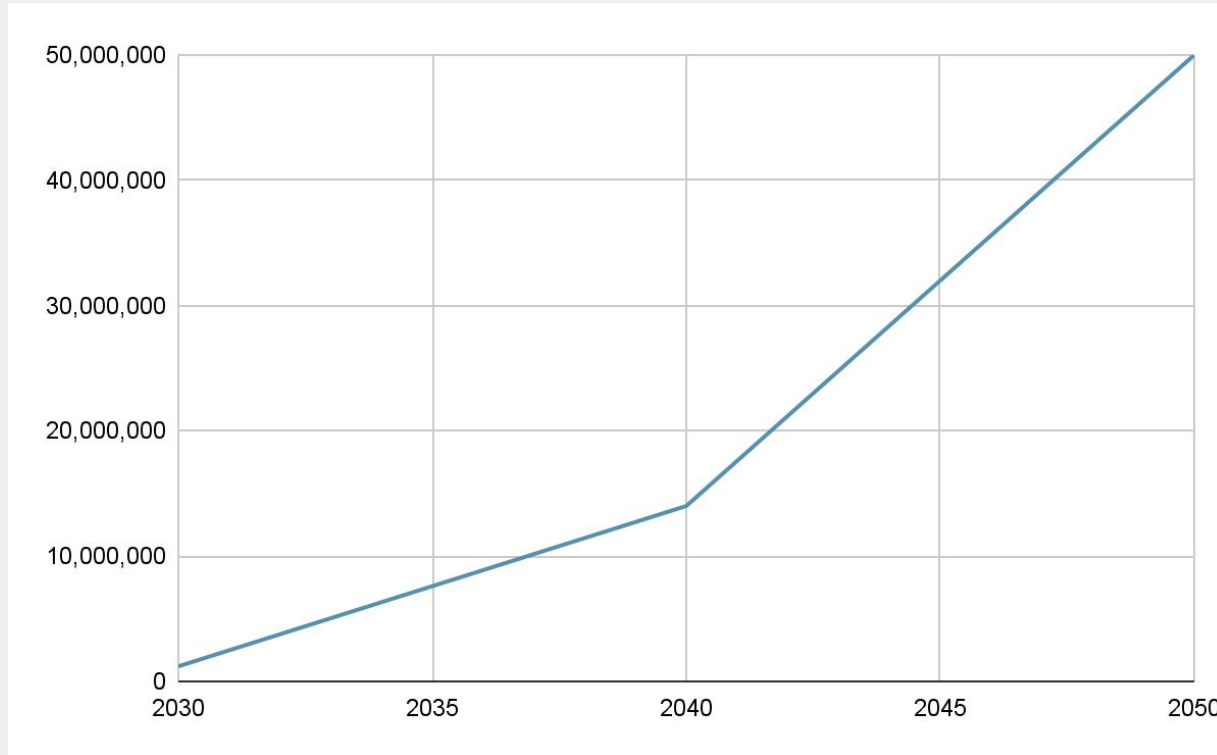
TES Can Also White Label BESS Units For You To Sell

- TES is prepared to undertake talks with you regarding the opportunity for the company to sell white-labeled TES units into your market niche for negotiated considerations TBD.
- We believe that such a collaboration would yield substantial benefits for both parties while giving ownership of the niche as well as an additional source of revenue and stature within the industry.

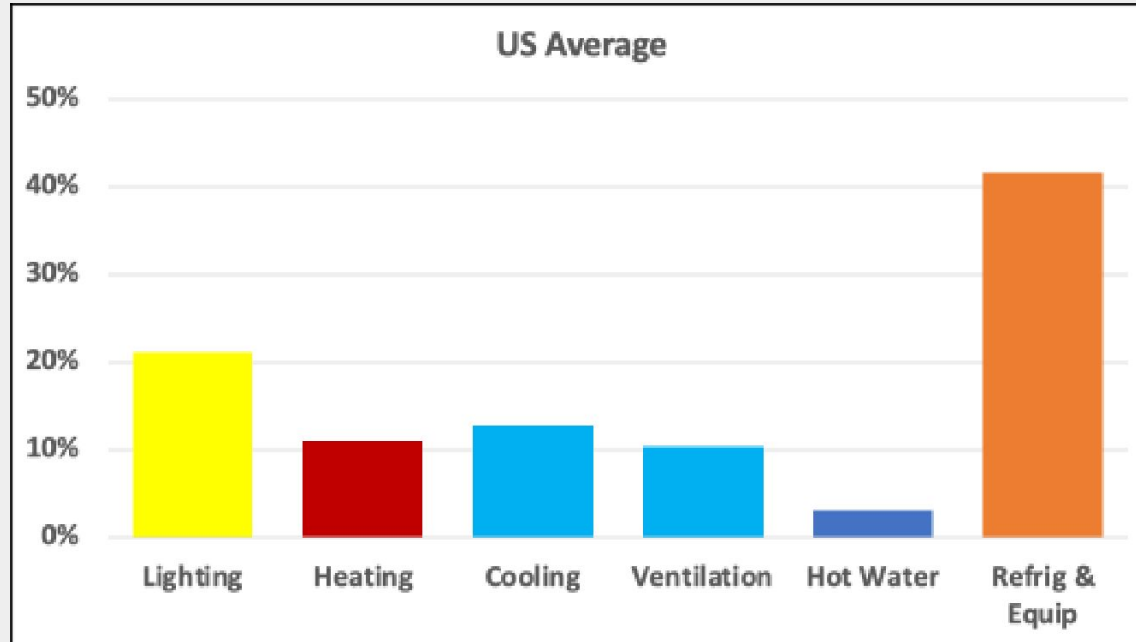
Let's Talk

Contact daniel@cmxi.org

of EV Battery Packs (End of Life) by Year

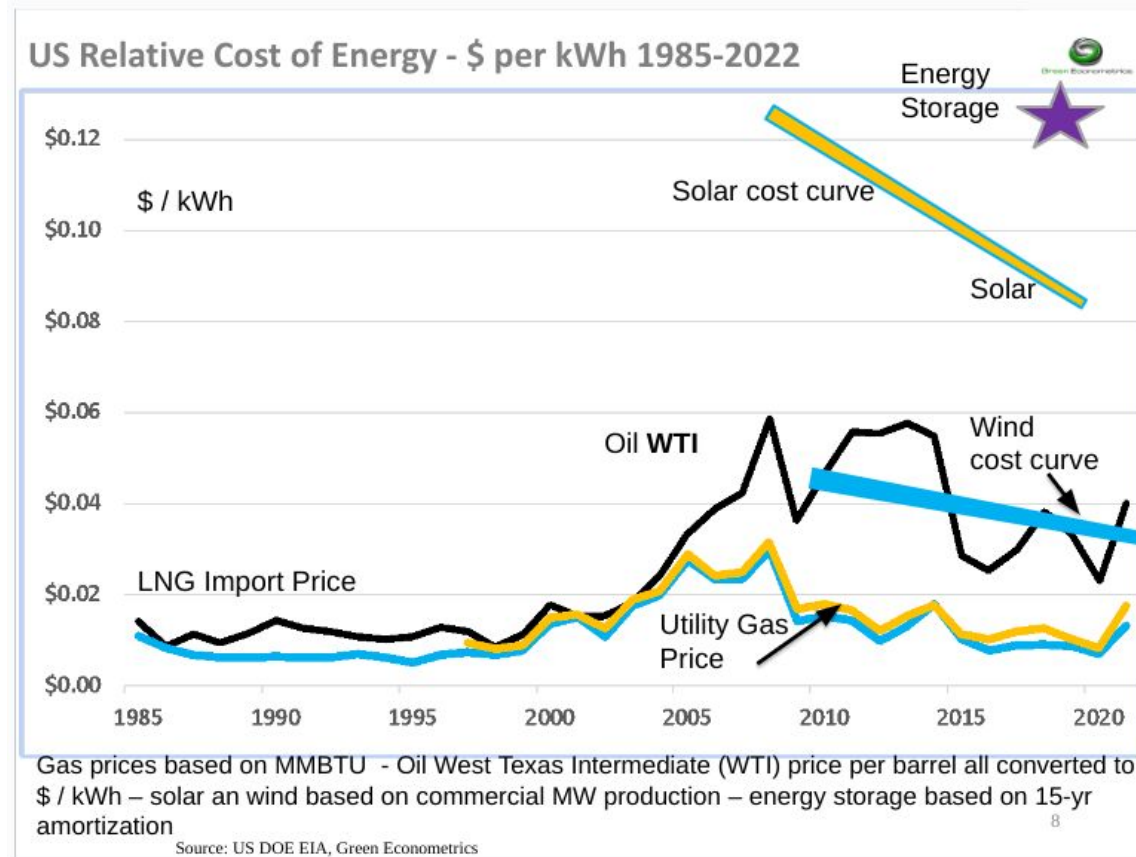


Average Electrical Costs



EIA estimates indicate Retail/Mall 24.6 kWh per SF and US average of \$0.14 per kWh equates to \$206k annually given 60,000 SF

U.S. Relative Cost of Energy 1985 - 2022



Summary

- Recycling EV batteries is the current revenue stream, with recyclers paying an average of \$0.50/lb for the entire pack.
- However, producing Battery Energy Storage Systems (BESS) from expired EV battery packs offers a higher potential profit margin.
- By recovering good cells and recycling only the bad ones, we can produce 1 MWh BESS with an MSRP of \$438,000 from 17 battery packs (recycled valued at \$17,000).
- This approach will provide substantial additional bottom-line benefits through peak shaving and power arbitrage.



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