

Scott Drake

From: Scott Bradtmiller [REDACTED]
Sent: Thursday, January 2, 2025 1:01 PM
To: Scott Drake
Subject: RE: Battery storage

CAUTION: This email originated from outside of EKPC. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Scott,

I hope you had a great holiday break and enjoying the new year.

Correct, the prices I reviewed and sent back in July would be for a Build Transfer type of ownership structure, where the cooperative would need to monetize the IRA tax credits. The prices NRCO received within that RFP would have been the full price to install with no netting of the tax credit.

Please let me know if I can help.

Scott

-----Original Message-----

From: Scott Drake [REDACTED]
Sent: Monday, December 23, 2024 10:21 AM
To: Scott Bradtmiller [REDACTED]
Subject: RE: Battery storage

Hi Scott

EKPC used the BESS cost identified below in our application to the KY PSC to build new generating facilities. We have been asked questions about our source for the cost, etc... Just confirming: the cost of up to [REDACTED]/kwh does not include any IRA tax credits???

scott

-----Original Message-----

From: Scott Bradtmiller [REDACTED]
Sent: Monday, July 1, 2024 4:20 PM
To: Scott Drake [REDACTED]
Subject: RE: Battery storage

CAUTION: This email originated from outside of EKPC. Do not click links or open attachments unless you recognize the sender and know the content is safe.

The most recent RFP I've seen for a BESS EPC/BTA offer has a range from [REDACTED]/kWh up to about [REDACTED]/kWh. Again, that is excluding site specific aspects of the project (land, interconnection, site prep, etc..). Those are for install, not O&M included and would also need BESS augmentation during operation. The pricing varies right now based on bidders providing oversized BESS in the beginning or not and would then rely heavily on BESS augmentation. Regardless if they

oversized, BESS likely needs to be augmented by year 5 and then again in year 13 or so. Depends on the amount of augmentation during year 5 and actual degradation.

Let me know if anyone wants to discuss the above.

Scott

-----Original Message-----

From: Scott Drake [REDACTED]

Sent: Monday, July 1, 2024 4:03 PM

To: Scott Bradtmiller [REDACTED]

Subject: Re: Battery storage

Flows usually have a round trip efficiency that's in the tank if recall. Just quote the 4 hour lithium and we can double it.
Sent from my iPhone

> On Jul 1, 2024, at 4:01 PM, Scott Bradtmiller [REDACTED] wrote:

>

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>

> It would be a Flow BESS estimate.

>

> -----Original Message-----

> From: Scott Drake [REDACTED]

> Sent: Monday, July 1, 2024 4:00 PM

> To: Scott Bradtmiller [REDACTED]

> Subject: Re: Battery storage

>

> What's the battery chemistry for non-lithium?

> Sent from my iPhone

>

>> On Jul 1, 2024, at 3:14 PM, Scott Bradtmiller [REDACTED] wrote:

>>

>> CAUTION: This email originated from outside of EKPC. Do not click links or open attachments unless you recognize the sender and know the content is safe.

>>

>> Hi Scott,

>>

>> Are you wanting lithium-ion energy storage pricing?

>>

>> I've not seen 8-hour storage for li-ion, unless you interconnect two sets of 4 hours, so it would just be double the cost.

>>

>> If 8hr for non-Lithium-ion, I could provide a couple high level costs, but they would be missing things like interconnection cost, land cost, taxes, and any unique property assumptions. The EPC would also be an estimate as NRCO has not helped a member build one yet.

>>

>> Scott B.

>>

>> -----Original Message-----

>> From: Scott Drake [REDACTED]

>> Sent: Monday, July 1, 2024 3:09 PM

>> To: Scott Bradtmiller [REDACTED]

>> Subject: Fwd: Battery storage

>>

>> Hi Scott

>>

>> See below. Do you have ballpark numbers? Provide the data for 1 hour. We can multiple by 8.

>>

>> Scott

>> Sent from my iPhone

>>

>> Begin forwarded message:

>>

>> From: Don Mosier [REDACTED]

>> Date: July 1, 2024 at 2:53:44 PM EDT

>> To: Scott Drake [REDACTED], Julie Tucker [REDACTED]

>> Subject: Battery storage

>>

>>

>> What is NRCO's latest cost figures on utility scale batteries? 8 hours and more discharge capability? Thanks.