

**Attachment A-2, PT Individual Project Sample Use Cases,  
Ref. 2024 ESL RFx #216473, Power Through RaaS, Technical Proposal Requirements**

**Case #1**

**Customer / Business:** Small Grocery Store  
**Location:** Thibodaux, LA 70301  
**Historical Peak Demand:** 336 kW, with a critical load of 202kW  
**Entergy Louisiana Service:** ..... Served via 500 kVA padmount XFMR 120/208v

**Scope of Work Considerations:**

**Include:**

- **Budgetary Cost Estimate**

Please provide total turn-key detailed cost estimate broken down into the following categories:

1. Solar+BESS equipment sizing and cost (separate and aggregate)
2. ATS equipment cost
3. Design/PM Services (PM & Engineering)
4. Installation Services
  - Mechanical Labor
  - Electrical & Controls Labor
  - Civil Work
  - Commissioning & SAT
5. Balance of Materials/Equipment
6. Permitting (Environmental, Construction, etc.)
7. Freight, Transport, Logistics, and Siting
8. O&M Services Cost - annual \$ per unit/kW pricing

- **Project Schedule**

Please provide end-to-end project schedule, including design, procurement, construction, commissioning.

- **Technical Summary:**

Please include technical summary of equipment proposed and identify prime vs. subcontractor (identify subs proposed) responsibilities.

1. Solar+BESS equipment
  - Include Solar+BESS offering package proposed including qty, size, mfg, model # of Solar+BESS, specifications, standard and optional warranties
2. ATS equipment
  - Include ATS offering package proposed including mfg, model #, specifications, standard and optional warranties
3. Design/PM Services (PM & ENGR)
  - Identify prime vs. subs
4. Installation Services (Labor, Commissioning, etc.)
  - Identify prime vs. subs (Mechanical, Electrical/Controls, Civil)
5. Balance of Materials/Equipment
6. O&M Services – list of service schedule

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**Assumptions (Case #1):**

- Solar+BESS/ATS basis:
  - In-front-of-meter electrical interconnect
  - Paralleled / Grid-Synchronous ATS, to be operated as Supply Response unit, in parallel with utility
    - Cost estimate alternative: Provide estimate for closed transition ATS (CTTS), if unit were to be operated as Demand Response unit, islanded from utility
  - Sound attenuated enclosure
  - Assume **no** existing backup Solar+BESS on site
  - Assume TPO flat roof
  - BESS sizing to include 4hr, 12hr and 24hr increments
  - Assume 20,000 sqft. usable roof space
- Electric interconnection:
  - Assume existing electrical services (between padmount transformer and customer's main) are located ~50 ft away from proposed Solar+BESS system
  - Assume revenue metering (CT/PT and meter base) to be relocated from existing utility padmount transformer to location on or near proposed ATS, allowing Solar+BESS to be positioned, electrically, in-front-of-the-meter
  - Under the ELL Power Through program, interconnection costs will be entirely borne by the host customer
- Civil Work:
  - Assume existing concrete parking lot area at location of proposed Solar+BESS system and area surrounding existing utility padmount transformer
- Sales Tax Considerations: Exempt, except for consumables

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**Case #2**

**Customer / Business:** Large Grocery Store  
**Address:** Metairie, LA 70002  
**Historical Peak Demand:** 1,025 kW, with a critical load of 625kW  
**Entergy Louisiana Service:** Served via 2,500 kVA padmount XFMR 277/480v

**Scope of Work Considerations:**

**Include:**

- **Budgetary Cost Estimate**

Please provide total turn-key detailed cost estimate broken down into the following categories:

1. Solar+BESS equipment cost (separate and aggregate)
  - ATS equipment cost
2. Design/PM Services (PM & Engineering)
3. Installation Services
  - Mechanical Labor
  - Electrical & Controls Labor
  - Civil Work
  - Commissioning & SAT
4. Balance of Materials/Equipment
5. Permitting (Environmental, Construction, etc.)
6. Freight, Transport, Logistics, and Siting
7. O&M Services Cost - annual \$ per unit/kW pricing

- **Project Schedule**

Please provide end-to-end project schedule, including design, procurement, construction, commissioning.

- **Technical Summary:**

Please include technical summary of equipment proposed and identify prime vs. subcontractor (identify subs proposed) responsibilities.

1. Solar+BESS equipment
  - Include Solar+BESS offering package proposed including qty, size, mfg, model # of Solar+BESS(s), specifications, standard and optional warranties
2. ATS equipment
  - Include ATS offering package proposed including mfg, model #, specifications, standard and optional warranties
3. Design/PM Services (PM & ENGR)
  - Identify prime vs. subs
4. Installation Services (Labor, Commissioning, etc.)
  - Identify prime vs. subs (Mechanical, Electrical/Controls, Civil)
5. Balance of Materials/Equipment
6. O&M Services – list of service schedule

**Attachment A-2, PT Individual Project Sample Use Cases,  
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**Assumptions (Case #2):**

- Solar+BESS/ATS basis:
  - In-front-of-meter electrical interconnect
  - Paralleled / Grid-Synchronous ATS, to be operated as Supply Response unit, in parallel with utility
  - Sound attenuated enclosure
  - Assume **no** existing backup Solar+BESS on site
  - Assume TPO flat roof
  - BESS sizing to include 4hr, 12hr and 24hr increments
  - Assume 35,000 sqft. Usable roof space
  
- Electric interconnection:
  - Assume existing electrical services (between padmount transformer and customer's main) are located ~50 ft away from proposed Solar+BESS system
  - Assume revenue metering (CT/PT and meter base) to be relocated from existing utility padmount transformer to location on or near proposed ATS, allowing Solar+BESS to be positioned, electrically, in-front-of-the-meter
  - Under the ELL Power Through program, interconnection costs will be entirely borne by the host customer
  
- Solar+BESS Civil Work:
  - Assume existing concrete parking lot area at location of proposed Solar+BESS system and area surrounding existing utility padmount transformer
  
- Sales Tax Considerations: Exempt, except for consumables

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**Case #3**

**Customer / Business:** Distribution Center  
**Address:** Port Allen, LA 70767  
**Historical Peak Demand:** 1,421 kW, with a critical load of 852.6kW  
**Entergy Arkansas Service:** Served via 3,750 kVA padmount XFMR 277/480v

**Scope of Work Considerations:**

**Include:**

- **Budgetary Cost Estimate**

Please provide total turn-key detailed cost estimate broken down into the following categories:

1. Solar+BESS equipment cost (separate and aggregate)
  - ATS equipment cost
2. Design/PM Services (PM & Engineering)
3. Installation Services
  - Mechanical Labor
  - Electrical & Controls Labor
  - Civil Work
  - Commissioning & SAT
4. Balance of Materials/Equipment
5. Permitting (Environmental, Construction, etc.)
6. Freight, Transport, Logistics, and Siting
7. O&M Services Cost - annual \$ per unit/kW pricing

- **Project Schedule**

Please provide end-to-end project schedule, including design, procurement, construction, commissioning.

- **Technical Summary:**

Please include technical summary of equipment proposed and identify prime vs. subcontractor (identify subs proposed) responsibilities.

1. Solar+BESS equipment
  - Include Solar+BESS offering package proposed including qty, size, mfg, model # of Solar+BESS(s), specifications, standard and optional warranties
2. ATS equipment
  - Include ATS offering package proposed including mfg, model #, specifications, standard and optional warranties
3. Design/PM Services (PM & ENGR)
  - Identify prime vs. subs
4. Installation Services (Labor, Commissioning, etc.)
  - Identify prime vs. subs (Mechanical, Electrical/Controls, Civil)
5. Balance of Materials/Equipment
6. O&M Services – list of service schedule

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**Assumptions (Case #3):**

- Solar+BESS/ATS basis:
  - In-front-of-meter electrical interconnect
  - Paralleled / Grid-Synchronous ATS, to be operated as Supply Response unit, in parallel with utility
  - Sound attenuated enclosure
  - Assume **no** existing backup Solar+BESS on site
  - BESS sizing to include 4hr, 12hr and 24hr increments
  - Assume ground mount installation leveraging 14 adjacent acres
- Electric interconnection:
  - Assume existing electrical services (between padmount transformer and customer's main) are located ~50 ft away from proposed Solar+BESS system
  - Assume revenue metering (CT/PT and meter base) to be relocated from existing utility padmount transformer to location on or near proposed ATS, allowing Solar+BESS to be positioned, electrically, in-front-of-the-meter
  - Under the ELL Power Through program, interconnection costs will be entirely borne by the host customer
- Solar+BESS Civil Work:
  - Assume existing concrete parking lot area at location of proposed Solar+BESS system and area surrounding existing utility padmount transformer
- Sales Tax Considerations: Exempt, except for consumables