



**Kevin T. Boleware**  
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September 6, 2024

**Via Electronic Delivery**

Clerk of Council  
City Hall, Room 1E09  
1300 Perdido Street  
New Orleans, Louisiana 70112

**Re: CNO Docket No. UD-23-01 (2024 Triennial IRP)**

Dear Clerk:

Attached please find Entergy New Orleans, LLC's ("ENO") Optimized Portfolio Development and Results. Please note that the excel attachment "2024 ENO IRP Initial Total Supply Cost & Energy Coverage – HSPM" contains highly sensitive protected material and will be provided via separate ShareFile email only to the appropriate Reviewing Representatives in accordance with the Confidentiality Agreement executed in this docket.

ENO submits this filing electronically and will submit the requisite original and number of hard copies once the Council resumes normal operations, or as you direct. ENO requests that you file this submission in accordance with Council regulations as modified for the present circumstances.

If you have any questions, please do not hesitate to call me. Thank you for your courtesy and assistance with this matter.

Sincerely,

A handwritten signature in black ink that reads "Kevin T. Boleware". The signature is stylized with a large 'K' and a cursive 'B'.

Kevin T. Boleware

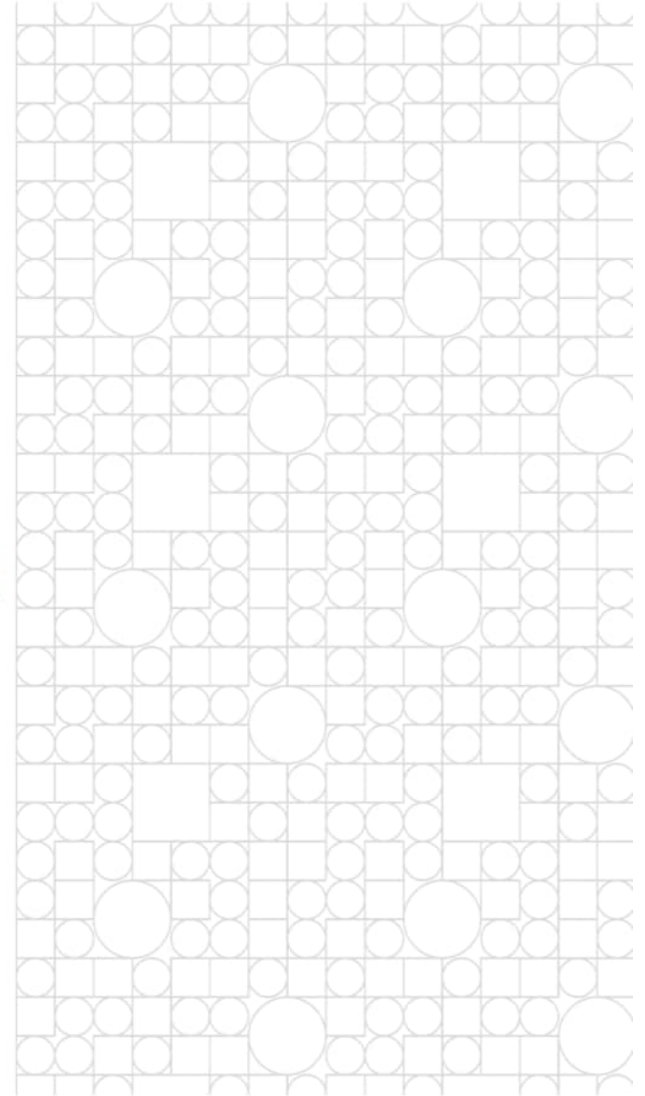
Enclosures

cc: Official Service List UD-23-01 (*via electronic mail*)



# **ENO 2024 IRP Capacity Expansion Results**

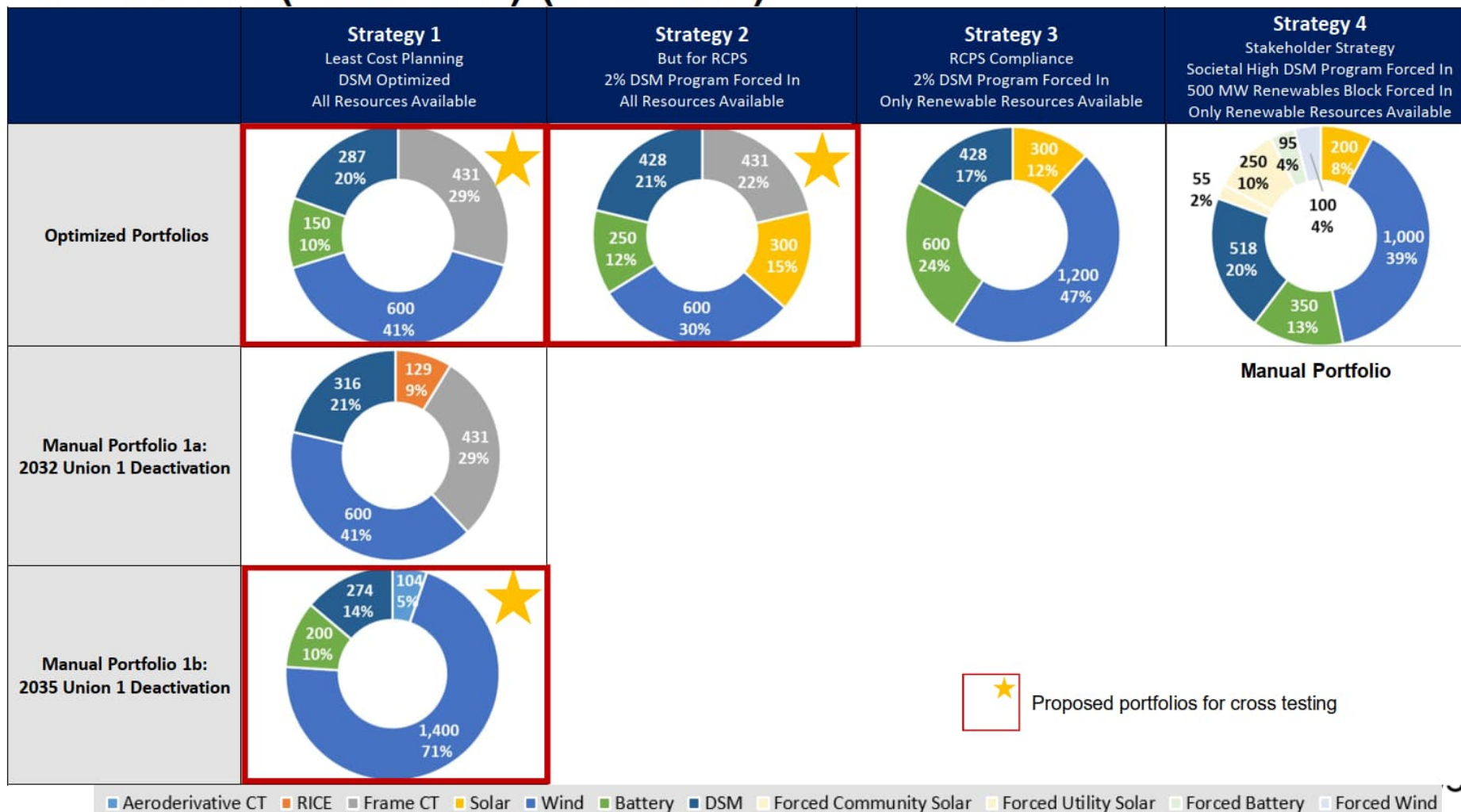
**September 6, 2024**



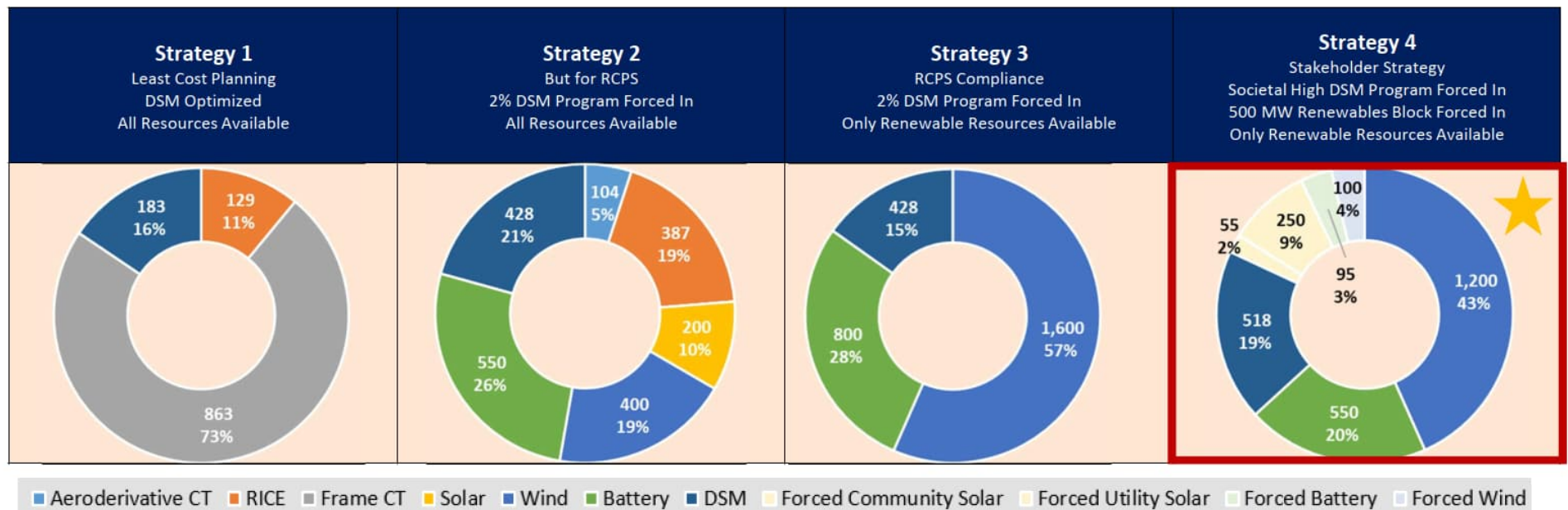
# Summary

- Objectives
  1. Report results of the capacity expansion modeling for ENO (14 total portfolios)
  2. Propose a diverse range of portfolios to downselect for cross testing and stochastic analysis
- Portfolios proposed for downselection (indicated with a red box and star on the following slides):
  - **Scenario 1 / Strategy 1** represents least cost planning with reference assumptions, including the current assumed deactivation of Union 1 in 2041.
  - **Scenario 1 / Strategy 1, Manual Portfolio 1b** represents least cost planning with reference assumptions and an acceleration of the deactivation of Union 1 to 2035.
  - **Scenario 1 / Strategy 2** provides an optimized portfolio with reference assumptions and a mix of different resource types.
  - **Scenario 2 / Strategy 4** forces in solar, wind, and battery storage (500 MW total) by 2030 and DSM programs.
  - **Scenario 3 / Strategy 3** provides a renewable-only resource selection with a mix of wind and battery capability. This portfolio selects the largest amount of capability given the high demand Scenario.

## Scenario 1 (Reference) (ICAP MW)



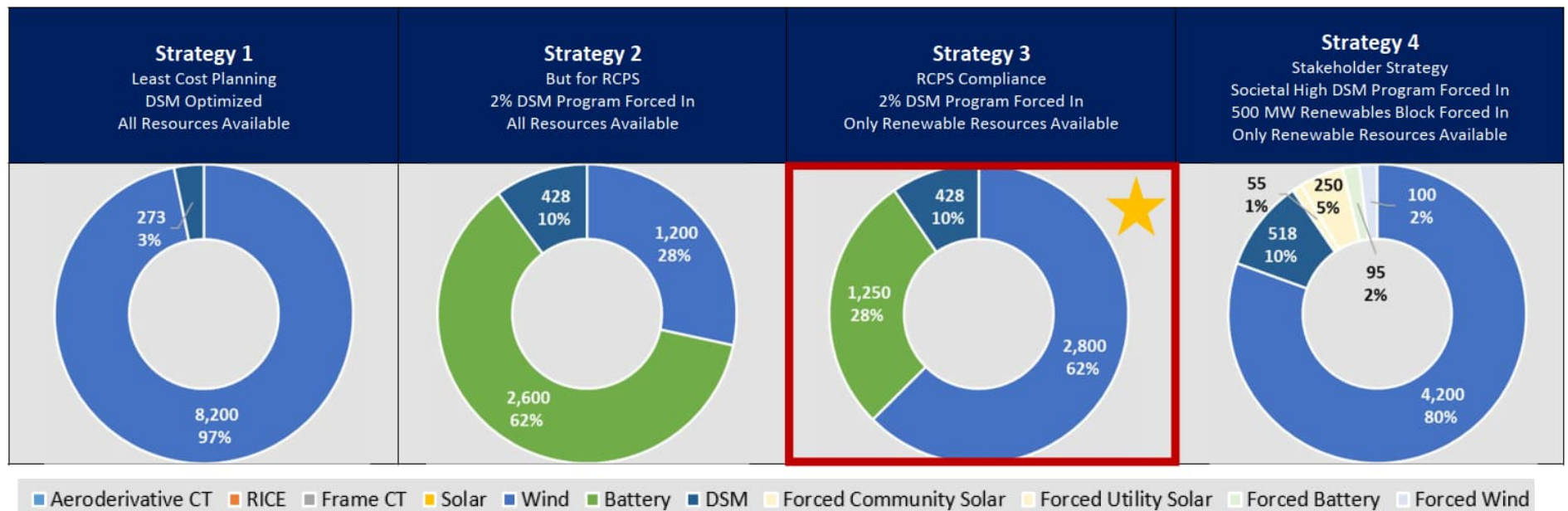
## Scenario 2 (Clean Air Act Section 111 Compliance) (ICAP MW)



Proposed portfolios for cross testing



## Scenario 3 (Stakeholder Scenario) (ICAP MW)



Proposed portfolios for cross testing

# Portfolios Proposed for Downselection - Build Timeline (ICAP MW)



■ Aeroderivative CT 
 ■ RICE 
 ■ Frame CT 
 ■ Solar 
 ■ Wind 
 ■ Battery 
 ■ DSM 
 ■ Forced Community Solar 
 ■ Forced Utility Solar 
 ■ Forced Battery 
 ■ Forced Wind

