

AMEA Solar Development

The Energy Council
June 10, 2022

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AMEA[®]
ALABAMA MUNICIPAL ELECTRIC AUTHORITY

Alabama Municipal Electric Authority

Montgomery, AL





Alabama Municipal Electric Authority

General Information

- ❑ Municipal Joint Action Agency
- ❑ Formed as a Public Corporation in August 1981
- ❑ Board of Directors (11)
- ❑ Eleven Full Requirements Members
- ❑ Serve 350,000+ Member Retail Customers



AMEA Solar Research Projects



AMEA Solar Research Projects

- ❑ Total Project Budget - \$1 Million
- ❑ 50 kW Each Project
- ❑ 160 Panels Each Project
- ❑ Total 600 kW



**2017
to
2022**

**12 Completed
Member
Solar Research
Projects**

Montgomery Solar Project



Montgomery Solar Project



AMEA-City of Luverne

Solar Research Project, November 2017



AMEA-City of Dothan

Solar Research Project, November 2017



AMEA-City of Opelika-OPS Solar Research Project, June 2018



AMEA-City of Tuskegee-UBT Solar Research Project, June 2018



AMEA-City of Foley-Riviera Utilities Solar Research Project, September 2018



AMEA-Sylacauga Utilities Board

Solar Research Project, September 2018



AMEA-City of Alexander City Solar Research Project, March 2019



AMEA-City of LaFayette

Solar Research Project, April 2019



City of Fairhope Solar Canopy Project



City of Fairhope Solar Canopy Project



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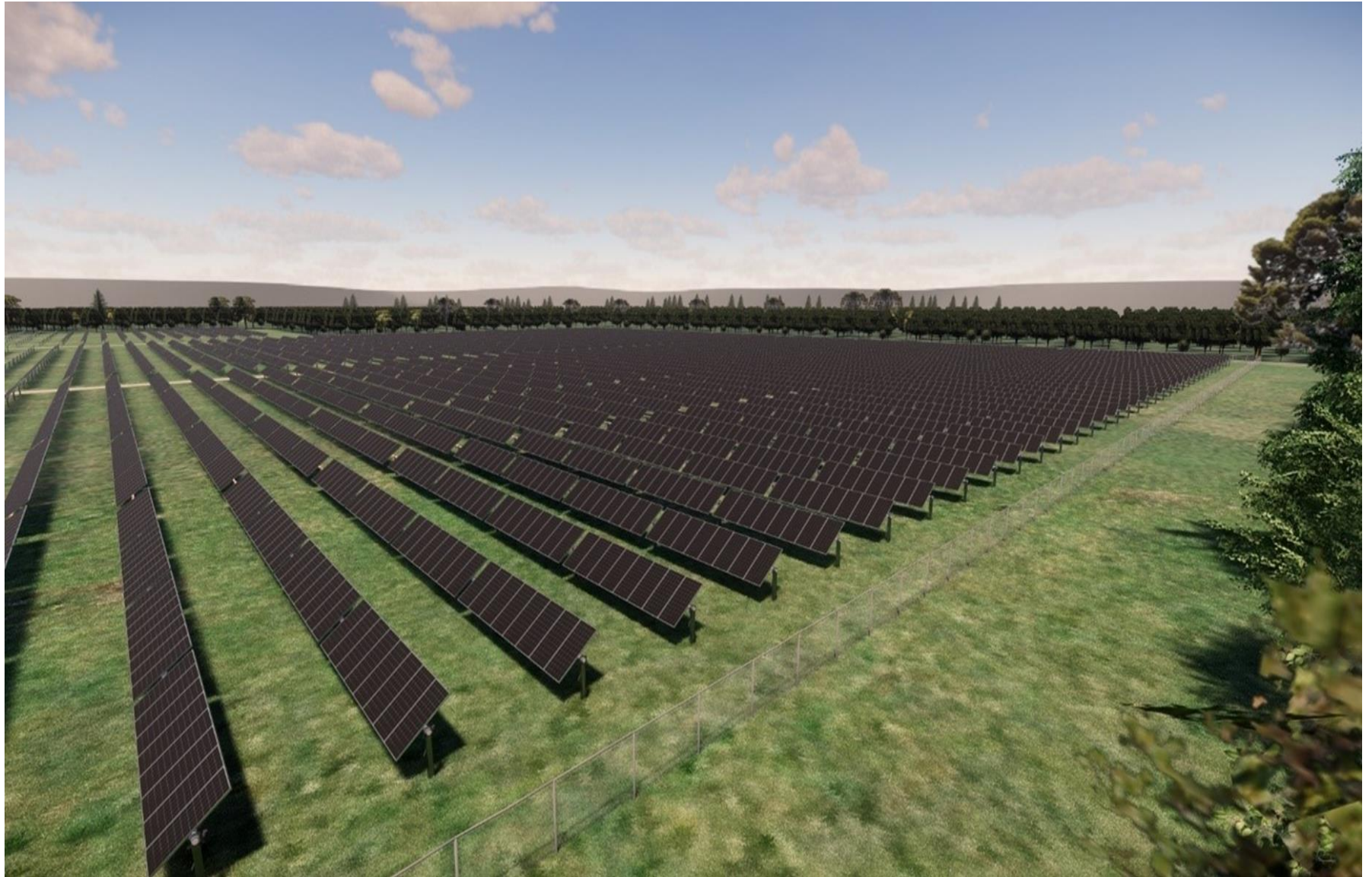




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- ❑ Operate and manage 2 GW of solar assets
- ❑ Deployed more than \$3 billion of capital into developing and building utility-scale solar projects
- ❑ British Petroleum (BP) owns 50% in LightsourceBP

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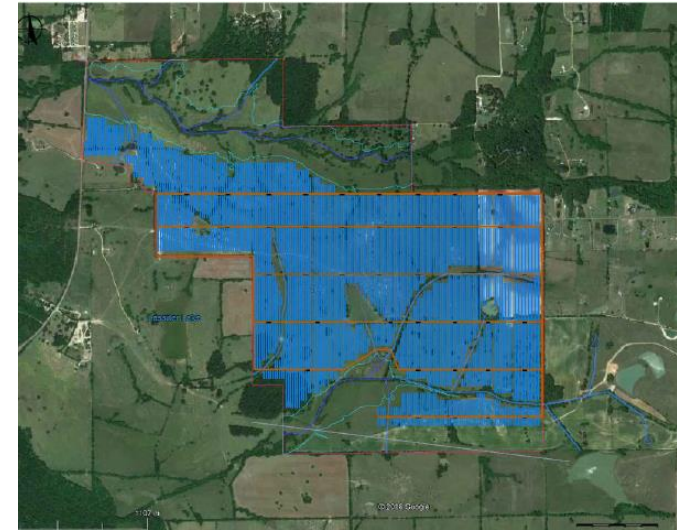
Project Details

- ❑ Project Capacity: 100 MW**AC**/130MW**DC**
- ❑ Electricity production: 245,000 MWh per year
- ❑ Total Project Investment: \$125 million
- ❑ Total Size: 800 acres
- ❑ Number of Solar Panels: 285,000
- ❑ Number of Piles: 45,418 installed in the ground
- ❑ Contract: 20-year power purchase agreement
- ❑ 284,400 First Solar Series 6 Plus thin film solar panes (Made in the USA) with a 460 watt per panel rating

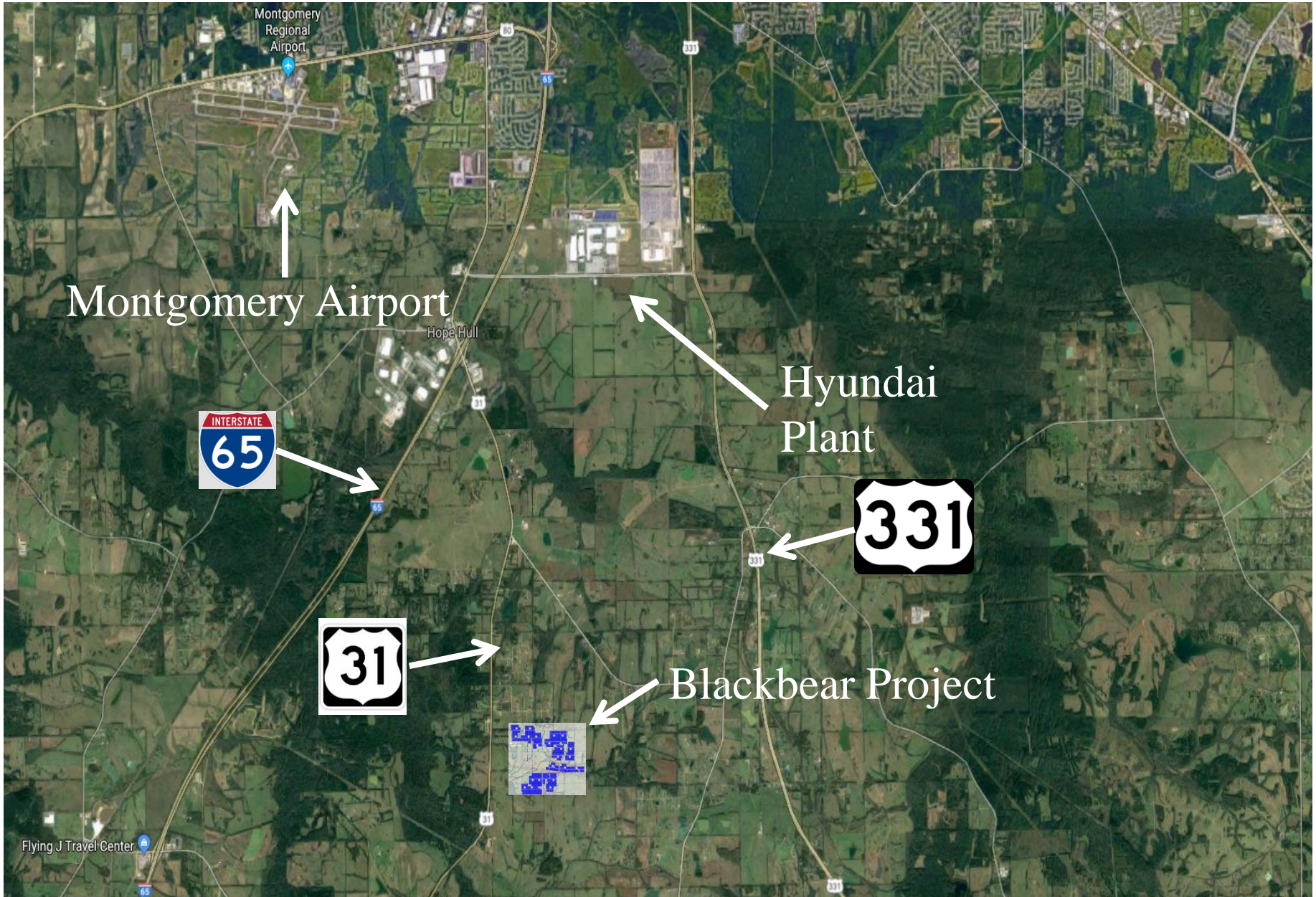
Black Bear Solar Project

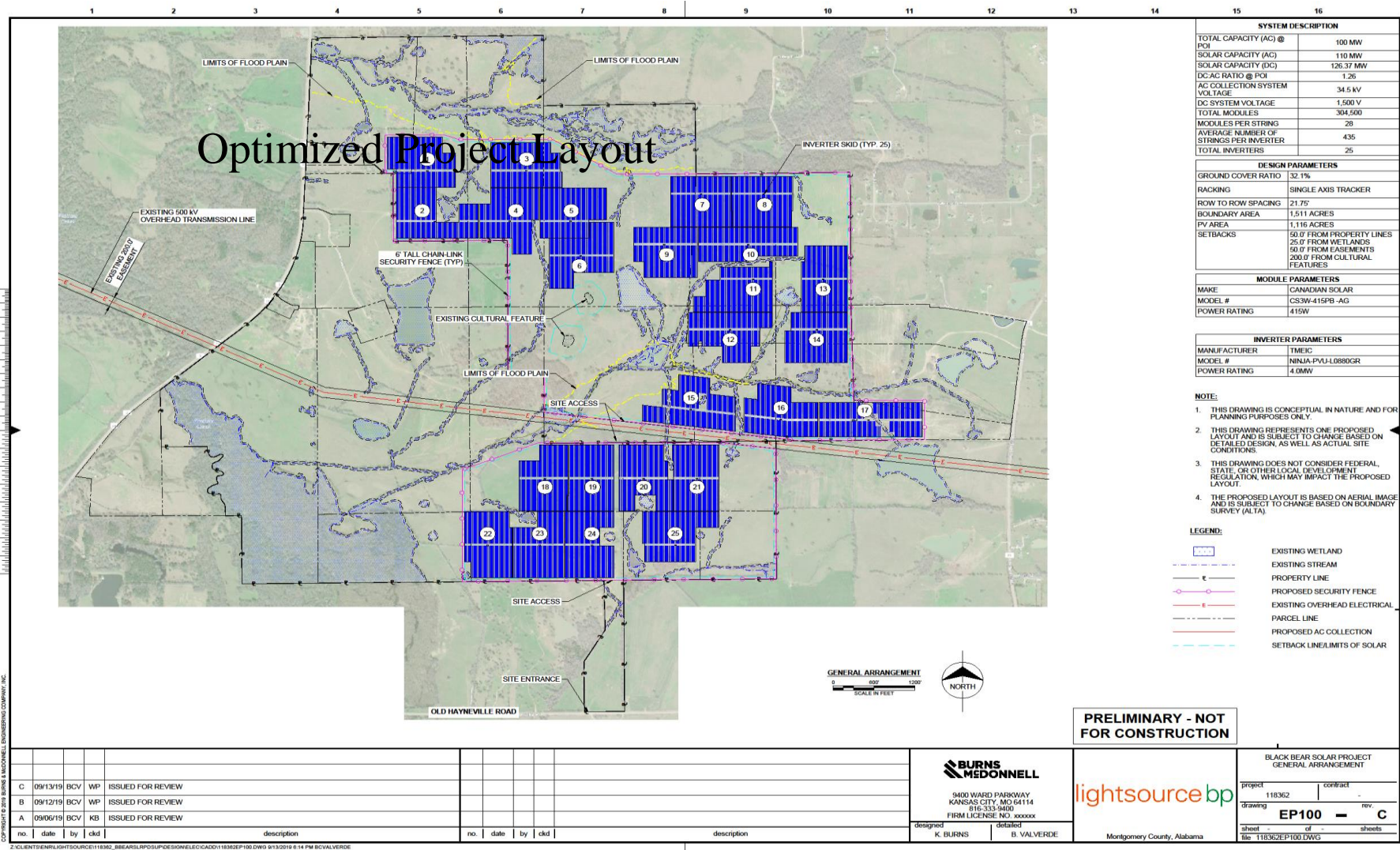


Black Bear Solar
100 MWac
Montgomery County



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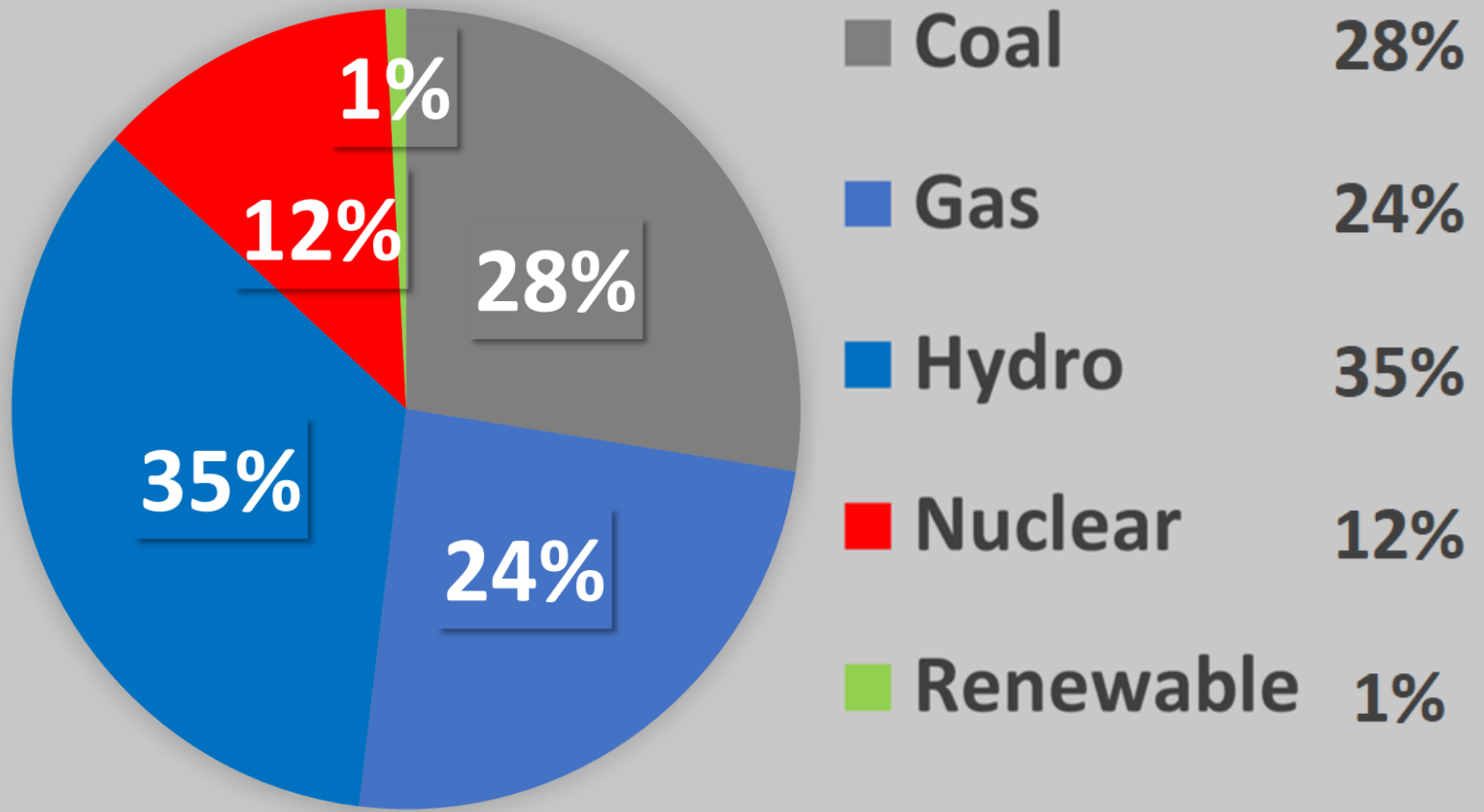




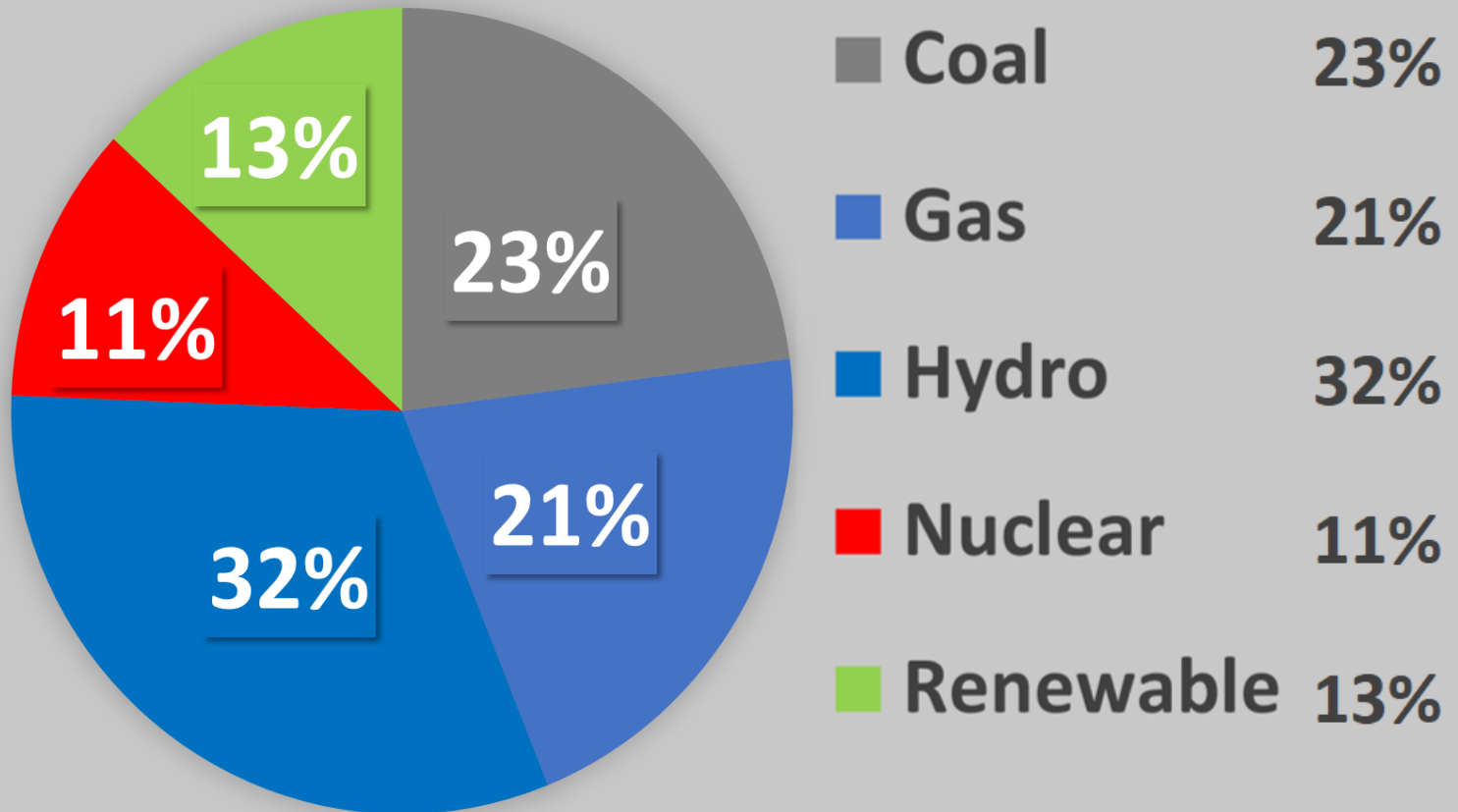
Other Utility Scale Solar Benefits

- ❑ Fuel Diversity/Natural Gas Price Hedge
- ❑ Hedge against potential CO2 Tax/Renewable Standards
- ❑ Gives AMEA future options with Battery Storage
- ❑ Economic Development
 - Commercial and Industrial Customers want renewable generation
 - Communities are continuing to embrace sustainable/green, carbon-free energy initiatives

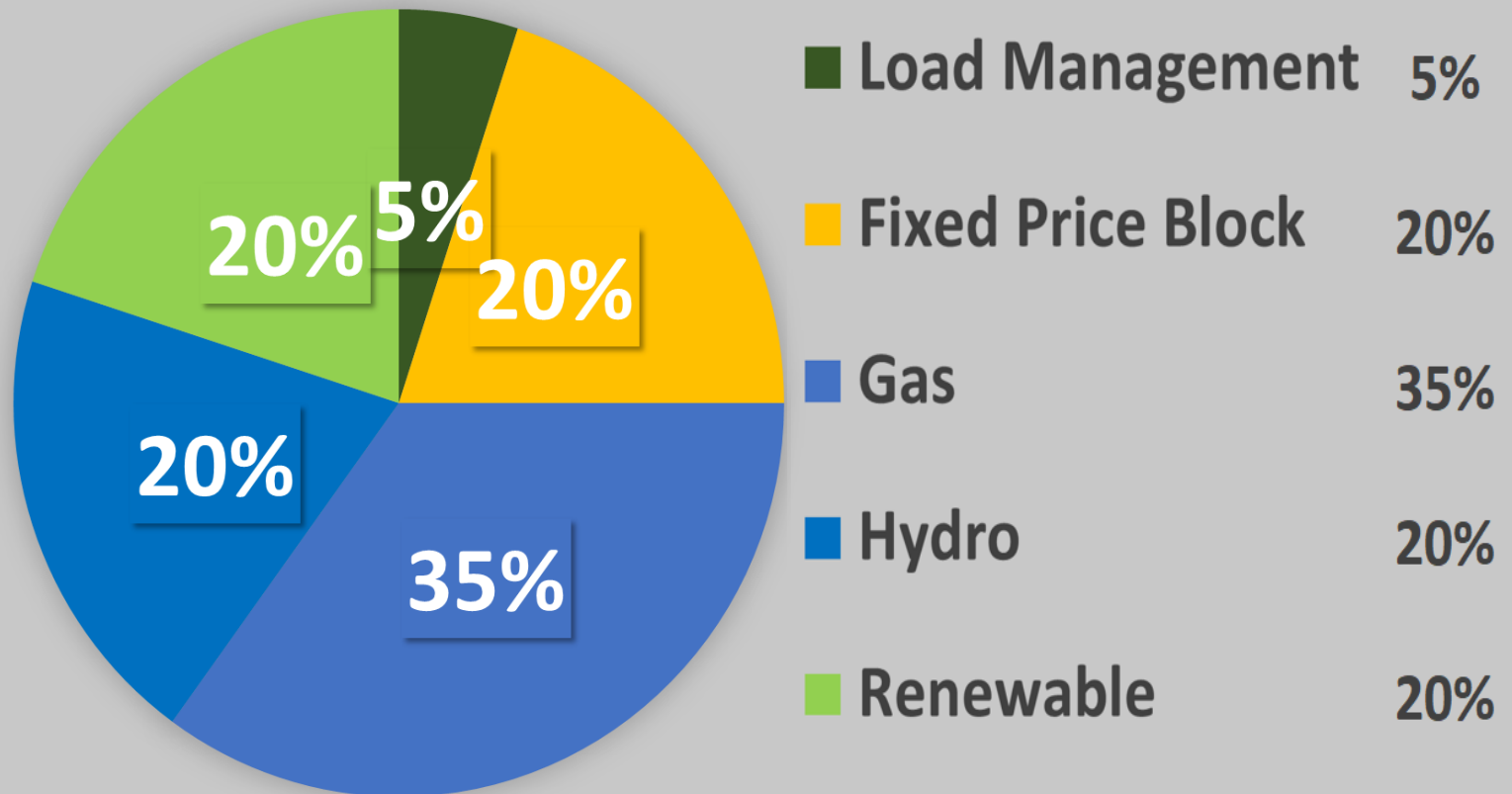
2021 AMEA Capacity Mix



2023 AMEA Capacity Mix



2026 AMEA Capacity Mix





ALABAMA MUNICIPAL ELECTRIC AUTHORITY

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