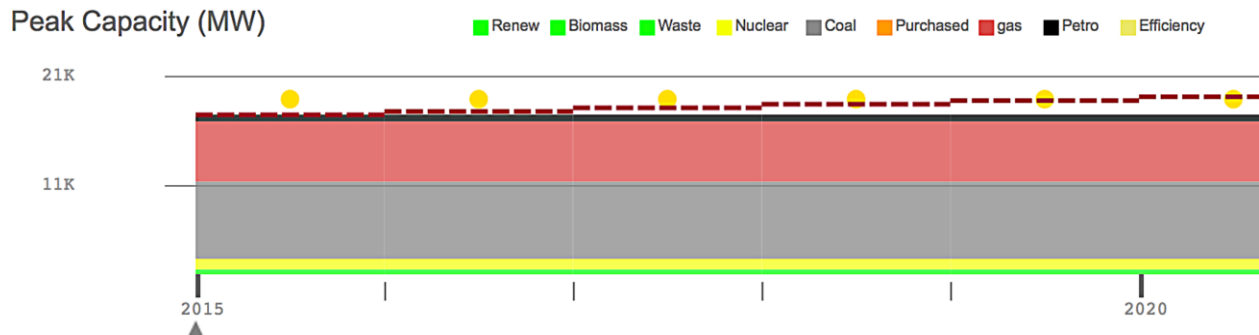


NOTE: By rolling the cursor over the yellow circles you can see the numerical values associated with each time point.



Power Sources

As shown on the map, the default simulation is based on a variety of different power sources, including coal-, gas-, and oil-fired power plants, a nuclear power plant, and renewable power facilities. You may modify existing facilities by double-clicking on the icons on the map, bringing up a Power Plant menu for that facility.

For this exercise, the Power Plant menu will be used to remove existing facilities. By clicking on the “Set Retirement”, you can designate when the facility should be removed from operation.

Power Plant Projection

Coal - Large

Fuel	Coal
Installed Capacity (MW)	7063

More Info

coal videos

ZoomTo

Performance for Year 2015

Peak Capacity (MW)	6,709.85
Generation (MWh)	53,494,319
Capacity Factor (%)	86.46
Fuel Mix (%)	--
Cost (c/kWh)	4.84
CO2 (tons)	56,888,319.46
SO2 (tons)	40,537.99
NOx (tons)	21,620.26

Edit Construction

Additions	--
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Install Additions

Available Year	2000
Retirement Year	--

Set Retirement

Toolbox

The toolbox is used to add new capacity to the grid. Clicking on this brings up a menu in which you can choose between various different generation options. You can also use the slider bars to designate their capacity, and the year they come online.



Build an EGU

New EGU Name:

New Renewable - Solar PV #26

Choose a Prototype:

Renewable - Solar PV

Solar Photovoltaic 2020 price. 60% peak availability from Kaldun

Year (2018):

QTY 11 (550MW):

Place Plant on Map

Add Plant

Solution Bar

After you have made a change you must recompute the simulation. Simply click once on the "Solve" bar to do an update. Doing this will renew the plots shown on the Timeline.

