



ArcGIS API for JavaScript: Clustering

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<https://arcg.is/mvPX8>

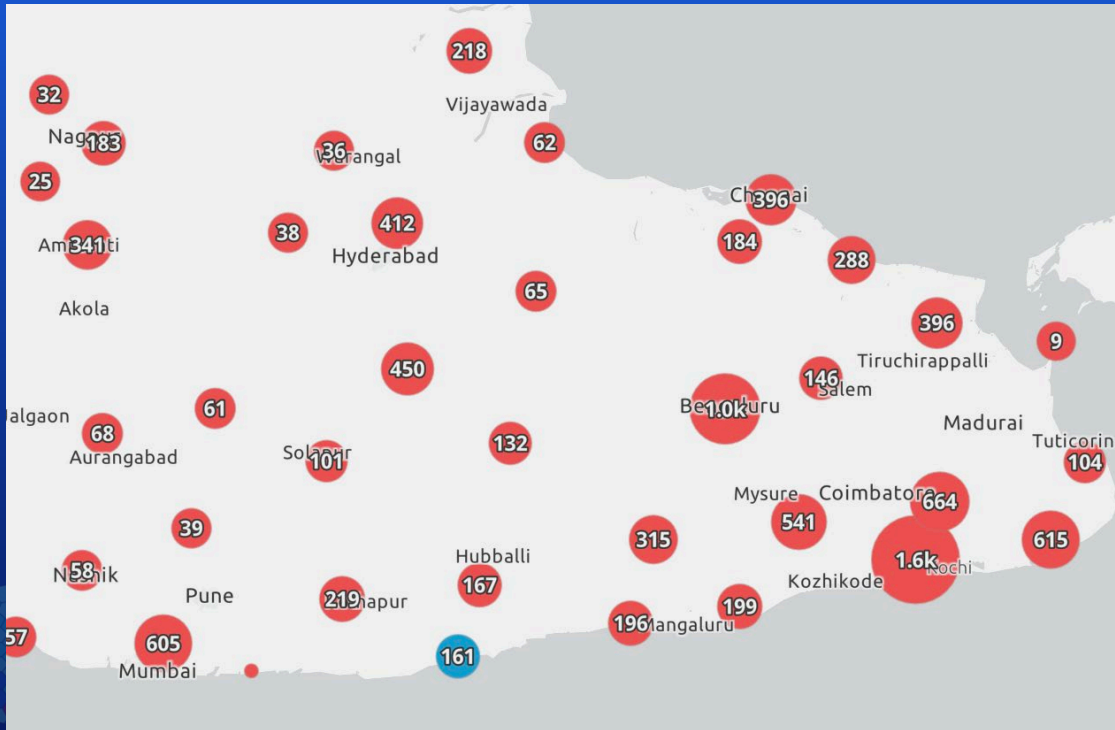
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Basic configuration



```
layer.featureReduction = {  
  type: "cluster",  
  minClusterSize: 4,  
  maxClusterSize: 40,  
  clusterRadius: 60,  
  popupTemplate: {  
    // popupTemplate with aggregate fields  
  },  
  // Array of label classes  
  labelingInfo: []  
}
```

Generate suggested configuration



```
const popupTemplate = await clusterPopupCreator
  .getTemplates({ layer })
  .then(response => response.primaryTemplate.value);

const { labelingInfo, clusterMinSize } = await clusterLabelCreator
  .getLabelSchemes({ layer, view })
  .then(labelSchemes => labelSchemes.primaryScheme);

layer.featureReduction = {
  type: "cluster",
  popupTemplate,
  labelingInfo,
  clusterMinSize
};
```

Query clusters

Cluster summary

Number of features: **50**

Total capacity (mW): **7,563.9**

Summary by fuel type

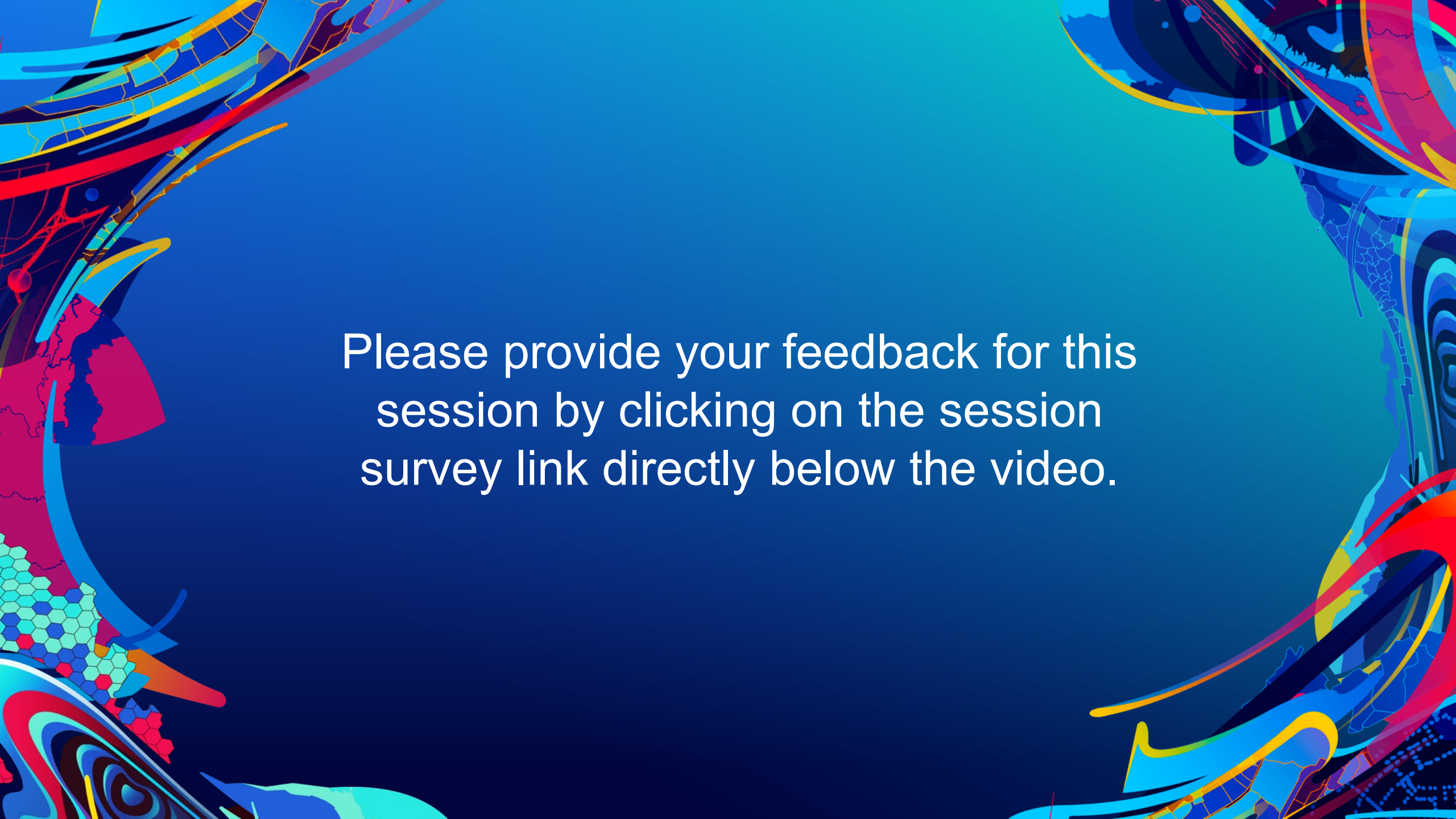
Fuel	Count	Capacity (mW)	Largest plant (mW)
Biomass	24	272.4	40
Hydro	16	735.4	354
Gas	6	2,760.5	983
Oil	2	2,217	2,100
Nuclear	1	1,510	1,510
Geothermal	1	68.6	68.6

```
// displays all features from a given cluster in the view
async function displayFeatures(graphic) {

  const query = layerView.createQuery();
  query.aggregateIds = [graphic.getObjectId()];

  const { features } = await layerView.queryFeatures(query);

  features.forEach(async (feature) => {
    const symbol = await symbolUtils.getDisplayedSymbol(feature);
    feature.symbol = symbol;
    view.graphics.add(feature);
  });
}
```



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