{

"ProposedAssetOption": {

"ProposedEnergyProducerOption": {

"proposedESS1": {

"ProposedBatteryUnitOption.dischargeEfficiency": 92.0,

"Ravens.CimObjectType": "ProposedBatteryUnitOption",

"IdentifiedObject.mRID": "339b031a-2ea9-4816-b5e1-d867a9077b72",

"ProposedAssetOption.variablePrice": {

"unit": "USD",

"value": 800

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"ProposedBatteryUnitOption.variableEnergyPrice": {

"unit": "USD",

"value": 400

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"ProposedAssetOption.ProposedLocations": [

"proposedSite1"

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"ProposedAssetOption.lifetime": "P25Y",

"ProposedBatteryUnitOption.chargeEfficiency": 92.0,

"IdentifiedObject.name": "proposedESS1",

"ProposedEnergyProducerOption.powerCapacityMin": 0.0,

"ProposedBatteryUnitOption.energyCapacityMin": 0.0,

"ProposedBatteryUnitOption.stateOfChargeMin": 20.0,

"ProposedBatteryUnitOption.energyCapacityMax": 50000.0,

"ProposedEnergyProducerOption.powerCapacityMax": 5000.0,

**"ProposedEnergyProducerOption.capacity": 980.0,**

**"ProposedEnergyProducerOption.energyCapacity": 4860.63,**

**"ProposedEnergyProducerOption.lifecycleCost": 8.5030839344e6,**

**"ProposedEnergyProducerOption.netPresentValue": -2.1759012e6,**

},

"proposedPV1": {

"ProposedEnergyProducerOption.powerCapacityMin": 250.0,

"ProposedEnergyProducerOption.variablePrice": {

"unit": "USD",

"value": 1000.0

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"ProposedAssetOption.ProposedLocations": [

"proposedSite1"

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"ProposedEnergyProducerOption.operationsAndMaintenanceRateFixed": {

"unit": "USD",

"value": 100.0

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"Ravens.CimObjectType": "ProposedPhotovoltaicUnitOption",

"ProposedAssetOption.lifetime": "P25Y",

"IdentifiedObject.name": "proposedPV1",

"IdentifiedObject.mRID": "d6910f52-7455-4074-9d94-e0851cf131db",

"ProposedEnergyProducerOption.powerCapacityMax": 10000.0,

**"ProposedEnergyProducerOption.capacity": 694.0825,**

**"ProposedEnergyProducerOption.lifecycleCost": 8.5030839344e6,**

**"ProposedEnergyProducerOption.netPresentValue": -2.1759012e6,**

}

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"ResidentialGroup": {

"ConformLoadGroup.EnergyConsumers": [

"l1",

"l2"

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"ConformLoadGroup.ConformLoadSchedules": [

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"RegularIntervalSchedule.TimePoints": [],

"BasicIntervalSchedule.value2Multiplier": "k",

"RavensModel.CimObjectType": "ConformLoadSchedule",

"BasicIntervalSchedule.value1Multiplier": "k",

"RegularIntervalSchedule.timeStep": 3600,

"BasicIntervalSchedule.value2Unit": "VAr",

"BasicIntervalSchedule.value1Unit": "W",

"IdentifiedObject.mRID": "4771e5b2-8924-4a76-ac17-47f860e41149"

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"RavensModel.CimObjectType": "ConformLoadGroup",

"IdentifiedObject.name": "ResidentialGroup",

"IdentifiedObject.mRID": "146813dc-3f62-4430-93be-860f5f584fcb"

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"IndustrialGroup": {

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"l3"

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"ConformLoadGroup.ConformLoadSchedules": [

{

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"BasicIntervalSchedule.value2Multiplier": "k",

"RavensModel.CimObjectType": "ConformLoadSchedule",

"BasicIntervalSchedule.value1Multiplier": "k",

"RegularIntervalSchedule.timeStep": 3600,

"BasicIntervalSchedule.value2Unit": "VAr",

"BasicIntervalSchedule.value1Unit": "W",

"IdentifiedObject.mRID": "4406d3ce-8b10-4c88-8c69-342d2fc5ab7e"

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"RavensModel.CimObjectType": "ConformLoadGroup",

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"Region1": {

"Ravens.CimObjectType": "GeographicalRegion",

"IdentifiedObject.name": "Region1",

"IdentifiedObject.mRID": "\_CA096364-2430-45A7-A8BF-404D08C4ECCC",

"GeographicalRegion.Regions": [

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"Regions.EnergyPrices": {

"Ravens.CimObjectType": "EnergyPrices",

"EnergyPrices.CapacityPrices": "CapacityPrices::'capacityprices1'",

"IdentifiedObject.name": "energyprices1",

"IdentifiedObject.mRID": "\_8606CBB1-16EB-41A1-81F0-285709509192",

"EnergyPrices.LocationalMarginalPrices": "LocationalMarginalPrices::'lmps1'"

},

"Regions.EconomicProperty": {

"EconomicProperty.inflationRate": 2.2,

"EconomicProperty.taxRate": 26.0,

"Ravens.CimObjectType": "EconomicProperty",

"EconomicProperty.Regions": [

"County"

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"IdentifiedObject.name": "CountyEconomicProperties",

"IdentifiedObject.mRID": "c304f0e1-8480-4da5-b2d4-90359ebf7032",

"EconomicProperty.discountRate": 5.8

},

"SubGeographicalRegion.Region": "#\_CA096364-2430-45A7-A8BF-404D08C4ECCC",

"Ravens.CimObjectType": "SubGeographicalRegion",

"IdentifiedObject.name": "Region1\_SubRegion",

"IdentifiedObject.mRID": "\_DAD61F6F-70FB-4D41-BE83-61ECF299B418"

}

]

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"Region2": {

"Ravens.CimObjectType": "GeographicalRegion",

"IdentifiedObject.name": "Region2",

"IdentifiedObject.mRID": "\_a513faee-2e68-4416-9d53-756f6d79e9f4",

"GeographicalRegion.Regions": [

{

"Regions.EnergyPrices": {

"Ravens.CimObjectType": "EnergyPrices",

"EnergyPrices.CapacityPrices": "CapacityPrices::'capacityprices2'",

"IdentifiedObject.name": "energyprices2",

"IdentifiedObject.mRID": "\_f9921f2f-65dc-4e36-b3a8-11eb6cdf72c7",

"EnergyPrices.LocationalMarginalPrices": "LocationalMarginalPrices::'lmps2'"

},

"Regions.EconomicProperty": {

"EconomicProperty.inflationRate": 10.2,

"EconomicProperty.taxRate": 28.0,

"Ravens.CimObjectType": "EconomicProperty",

"EconomicProperty.Regions": [

"County2"

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"IdentifiedObject.name": "CountyEconomicProperties",

"IdentifiedObject.mRID": "290f8ed6-2588-4647-bef6-0a83f93d768e",

"EconomicProperty.discountRate": 6.8

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"SubGeographicalRegion.Region": "#\_a513faee-2e68-4416-9d53-756f6d79e9f4",

"Ravens.CimObjectType": "SubGeographicalRegion",

"IdentifiedObject.name": "Region2\_SubRegion",

"IdentifiedObject.mRID": "\_7baa2ac0-af2e-4316-8fe3-4c9e000395b2"

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"EnergyPrices": {

"CapacityPrices": {

"capacityprices1": {

"CapacityPrices.CapacityPriceCurve": {

"y1Unit": "USD",

"PriceCurve.CurveDatas": [],

"xUnit": "h",

"IdentifiedObject.name": "capacityprices1Curve",

"IdentifiedObject.mRID": "4f8bbd63-0cd0-40c3-b7ac-3156b666f938"

},

"EnergyPrices.Regions": [

"Region1"

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"RavensModel.CimObjectType": "Ravens.CapacityPrices",

"IdentifiedObject.name": "capacityprices1",

"IdentifiedObject.mRID": "5407c621-70bb-4ff2-85ca-8cee8a84d10a"

},

"capacityprices2": {

"CapacityPrices.CapacityPriceCurve": {

"y1Unit": "USD",

"PriceCurve.CurveDatas": [],

"xUnit": "h",

"IdentifiedObject.name": "capacityprices2Curve",

"IdentifiedObject.mRID": "29174a07-6a13-43c0-801b-9b137e749f6e"

},

"EnergyPrices.Regions": [

"Region2"

],

"RavensModel.CimObjectType": "Ravens.CapacityPrices",

"IdentifiedObject.name": "capacityprices2",

"IdentifiedObject.mRID": "e52efa88-86f2-4ea0-8369-8b1cae33590e"

}

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"LocationalMarginalPrices": {

"lmps2": {

"EnergyPrices.Regions": [

"Region2"

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"RavensModel.CimObjectType": "Ravens.LocationalMarginalPrices",

"LocationalMarginalPrices.LMPCurve": {

"y1Unit": "USD",

"PriceCurve.CurveDatas": [],

"xUnit": "h",

"IdentifiedObject.name": "lmp2Curve",

"IdentifiedObject.mRID": "7d670983-e385-4e18-ab2b-91c65aa3c72f"

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"IdentifiedObject.name": "lmp2",

"IdentifiedObject.mRID": "fc0ebc85-adc8-42df-bcfb-09cdd0f07207"

},

"lmps1": {

"EnergyPrices.Regions": [

"Region1"

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"RavensModel.CimObjectType": "Ravens.LocationalMarginalPrices",

"LocationalMarginalPrices.LMPCurve": {

"y1Unit": "USD",

"PriceCurve.CurveDatas": [],

"xUnit": "h",

"IdentifiedObject.name": "lmp1Curve",

"IdentifiedObject.mRID": "4919302c-135b-429e-afe2-ad3cbd0479a3"

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"IdentifiedObject.name": "lmp1",

"IdentifiedObject.mRID": "8f78e131-a843-4f12-9f32-c9f170f1f2cb"

}

}

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"OutageScenario": {

"outagescenario1": {

"OutageScenario.loadFractionCritical": 100.0,

"OutageScenario.loadFractionTotal": 30.0,

"OutageScenario.anticipatedStartDay": "--03-01",

"OutageScenario.anticipatedDuration": "P6H",

"IdentifiedObject.name": "outagescenario1",

"IdentifiedObject.mRID": "34e98fc7-4034-466e-b858-8e8d9535f1f1",

"OutageScenario.anticipatedStartHour": 10

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"outagescenario2": {

"OutageScenario.loadFractionCritical": 100.0,

"OutageScenario.loadFractionTotal": 20.0,

"OutageScenario.anticipatedStartDay": "--04-01",

"OutageScenario.anticipatedDuration": "P6H",

"IdentifiedObject.name": "outagescenario2",

"IdentifiedObject.mRID": "ad01aace-311e-4254-b798-e6c16ee4a613",

"OutageScenario.anticipatedStartHour": 12

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},

"DesignAlgorithmProperties": {

"DesignAlgorithmProperties.ProposedEnergyProducerOptions": [

"proposedPV1",

"proposedESS1"

],

"DesignAlgorithmProperties.analysisPeriod": "P25Y",

"IdentifiedObject.name": "DesignAlgorithmProperties",

"IdentifiedObject.mRID": "c23252a0-cd95-4f64-88e8-4553aa9e1cf6"

},

"ProposedSiteLocation": {

"proposedSite2": {

"ProposedSiteLocation.availableArea": 2000.0,

"Group.LoadGroup": "LoadGroup::'IndustrialGroup'",

"RavensModel.CimObjectType": "Ravens.ProposedSiteLocation",

"Group.GeographicalRegion": "GeographicalRegion::'Region2'",

"Location.PositionPoints": [

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"PositionPoint.xPosition": 28,

"RavensModel.CimObjectType": "PositionPoint",

"PositionPoint.yPosition": 34,

"PositionPoint.sequenceNumber": 1,

"IdentifiedObject.mRID": "13473e69-df75-4052-bdfe-76a7400ab792"

}

],

"IdentifiedObject.name": "proposedSite2",

"IdentifiedObject.mRID": "493872f0-a57d-4906-aa41-a2244cd43647"

},

"proposedSite1": {

"ProposedSiteLocation.availableArea": 101171.5,

"Group.LoadGroup": "LoadGroup::'ResidentialGroup'",

"RavensModel.CimObjectType": "Ravens.ProposedSiteLocation",

"Group.GeographicalRegion": "GeographicalRegion::'Region1'",

"Location.PositionPoints": [

{

"PositionPoint.xPosition": -88.0616067,

"RavensModel.CimObjectType": "PositionPoint",

"PositionPoint.yPosition": 41.8332617,

"PositionPoint.sequenceNumber": 1,

"IdentifiedObject.mRID": "704184d0-6fc1-4f99-8d14-9e51cef1a206"

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],

"IdentifiedObject.name": "proposedSite1",

"IdentifiedObject.mRID": "A9C5BFEE-FFFB-4CDC-94EC-813291D042A4"

}

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