6150342.4135 6149787.8737 6149207.7336 6148666.2947 6148112.1747

6147539.6775 6151462.3393 6150897.9988 6150336.6745 6149778.6843

6149224.764 6148674.2408 6148090.803 6147538.2998 6151462.7159

6150891.7775 6150342.0595 6149792.1278 6149224.8021 6148667.1066

6148092.2513 6147544.3849 6151466.5885 6150896.9428 6150330.1792

6149774.3116 6149225.009 6148670.3327 6148103.7655 6147551.9283

6151466.1299 6150901.1411 6150321.951 6149768.1135 6149213.5058

6148662.4878 6148108.2681 6147548.302 6151468.2871 6150891.4526

6150349.5518 6149775.9684 6149211.1469 6148655.7927 6148103.8252

6147540.8012 6151467.7295 6150892.2783 6150331.4238 6149788.3436

6149223.1608 6148652.7342 6148105.2891 6147542.9801 6151469.4413

6150893.5143 6150332.9759 6149788.4679 6149228.0917 6148662.009

6148106.2444 6147538.1059 6151445.3762 6150902.68 6150354.9719

6149779.7572 6149227.2256 6148677.7707 6148116.3982 6147531.8117]]

aep\_best\_sol on Genetic Generation 17: 716.5671 GWh

Best solution on Genetic Generation 18:

[[ 423970.5519 424033.9054 424095.3596 424163.9811 424225.7561

424297.04 424366.6455 424432.3568 424536.5535 424605.1847

424648.5633 424717.1433 424812.2091 424847.4931 424928.4639

425009.8962 425095.3467 425180.9292 425227.3161 425273.9106

425356.4297 425429.0573 425497.0914 425560.1912 425640.2009

425709.9752 425796.9809 425863.0248 425928.5795 426002.

426075.1975 426130.9061 426201.1644 426276.0867 426340.7041

426420.7903 426507.1217 426558.5915 426639.282 426706.0602

426764.3042 426831.517 426900.7306 426982.0339 427060.7191

427124.581 427181.7819 427226.0257 427350.1177 427397.9642

427472.5374 427517.7449 427624.4461 427686.6633 427739.1911

427797.4081 427889.3327 427967.3554 428031.2544 428090.6419

428154.9292 428225.0873 428313.9401 428364.906 428452.0507

428504.1855 428591.9531 428675.3984 428729.2146 428793.2533

428887.4931 428965.664 429038.0503 429102.9507 429174.3758

429237.3778 429308.0199 429372.6817 429428.1622 429509.9454]

[6151464.3372 6150910.7161 6150350.4159 6149749.5515 6149211.1152

6148681.0169 6148117.6813 6147537.7568 6151464.631 6150902.2844

6150348.0855 6149781.5101 6149214.4289 6148669.9261 6148114.3021

6147535.746 6151462.7307 6150893.0866 6150339.75 6149775.1557

6149221.191 6148667.3592 6148091.6283 6147533.8727 6151467.7988

6150890.1562 6150337.5532 6149797.6592 6149224.6571 6148667.5185

6148085.3309 6147546.4382 6151467.7721 6150903.6213 6150335.6118

6149771.9086 6149229.8722 6148667.1623 6148099.4595 6147553.0196

6151466.2001 6150905.537 6150328.7675 6149763.7641 6149218.9259

6148660.3781 6148102.834 6147551.4584 6151470.9069 6150896.0805

6150346.2056 6149775.2212 6149214.1053 6148651.9314 6148102.8988

6147547.6021 6151462.6065 6150895.7074 6150327.5024 6149782.0109

6149229.3899 6148651.7859 6148109.5518 6147544.0882 6151466.2302

6150892.4232 6150328.7339 6149787.65 6149223.1338 6148660.8268

6148106.9449 6147539.6065 6151440.8219 6150899.1001 6150354.9573

6149783.1176 6149222.8781 6148672.3685 6148114.2943 6147535.0872]]

aep\_best\_sol on Genetic Generation 18: 716.5549 GWh

Best solution on Genetic Generation 19:

[[ 423970.7591 424029.1332 424092.733 424163.4426 424231.441

424301.5975 424362.5509 424427.3066 424539.9375 424598.2019

424641.8949 424710.338 424809.7141 424847.452 424933.1029

425014.6606 425102.0522 425183.6882 425223.1594 425278.1166

425358.5961 425434.3115 425495.1458 425566.3686 425638.8431

425713.7063 425803.5187 425869.9484 425921.6102 426008.5008

426078.8317 426133.6802 426202.0311 426281.1319 426342.8162

426420.3545 426512.9157 426559.9083 426633.5671 426706.8889

426763.2857 426833.7745 426894.2798 426975.148 427058.7717

427118.7473 427188.4761 427220.8805 427348.6239 427398.5181

427468.0632 427511.5416 427627.3978 427685.7237 427736.1998

427802.5287 427889.8166 427964.6456 428024.7549 428090.3472

428152.6015 428222.9888 428316.587 428361.7337 428446.9566

428498.4021 428593.6299 428669.3349 428729.7053 428798.2139

428894.3589 428969.2635 429038.7025 429102.0135 429173.994

429242.4524 429307.0851 429375.0143 429433.7105 429513.8019]

[6151462.5161 6150916.5697 6150354.5074 6149745.1266 6149214.8955

6148684.6881 6148120.1979 6147531.4279 6151464.905 6150902.8067

6150347.4559 6149788.0106 6149220.5766 6148670.0318 6148111.8868

6147533.1415 6151466.8908 6150894.5021 6150335.8812 6149781.1231

6149219.0393 6148672.2615 6148091.3202 6147533.4754 6151463.799

6150896.2906 6150339.0522 6149793.7811 6149224.5294 6148664.0152

6148085.7147 6147546.2169 6151468.9004 6150907.1866 6150340.2735

6149776.7217 6149225.1631 6148669.7967 6148103.6026 6147546.2044

6151468.3557 6150906.9781 6150334.8377 6149767.4452 6149212.7094

6148666.0812 6148105.0195 6147545.6978 6151466.7622 6150902.3625

6150344.3168 6149775.2181 6149215.5758 6148656.3452 6148103.4956

6147545.3688 6151467.5088 6150898.8641 6150332.6855 6149785.0931

6149230.7968 6148650.9755 6148105.8795 6147538.4072 6151464.1923

6150897.9999 6150335.6521 6149790.392 6149220.8921 6148654.9286

6148111.9537 6147543.3348 6151442.3203 6150895.8047 6150358.8808

6149783.6334 6149225.8963 6148667.404 6148110.8742 6147539.0311]]

aep\_best\_sol on Genetic Generation 19: 716.6188 GWh

Best solution on Genetic Generation 20:

[[ 423970.6298 424029.2154 424090.772 424159.185 424232.4922

424297.0338 424359.9943 424434.2415 424537.4069 424599.8135

424635.7969 424713.2694 424804.1265 424848.4593 424930.0701

425013.9108 425103.8975 425186.5753 425221.5037 425280.8799

425356.8834 425430.4813 425488.3019 425569.5571 425642.7287

425707.3298 425805.6695 425875.2154 425926.4442 426006.573

426082.9991 426126.9761 426208.8109 426280.2583 426347.6909

426417.9198 426506.0904 426556.8187 426628.444 426700.5755

426767.0877 426840.6293 426895.642 426976.9939 427063.3831

427122.0892 427193.4307 427226.0374 427348.8795 427404.2853

427469.1605 427516.7721 427620.4833 427684.8168 427738.1558

427807.8466 427887.6455 427964.9213 428027.1574 428088.0715

428151.3874 428223.3965 428311.4653 428354.7624 428444.2366

428496.5456 428590.9614 428672.5939 428731.0827 428801.6434

428901.0111 428964.2147 429042.023 429107.2711 429168.6881

429242.0726 429311.7661 429377.2967 429435.182 429508.4941]

[6151462.7985 6150914.247 6150357.1221 6149749.0538 6149214.1373

6148678.4868 6148114.7755 6147534.5307 6151465.4432 6150904.2892

6150353.7501 6149787.0599 6149224.3618 6148669.7181 6148112.5074

6147532.0833 6151467.643 6150899.1585 6150337.1807 6149780.1253

6149224.8266 6148665.8805 6148086.6311 6147536.4607 6151463.5356

6150898.7898 6150343.4003 6149792.8497 6149229.2457 6148669.2091

6148082.977 6147543.6792 6151463.2442 6150911.9469 6150338.6545

6149779.5352 6149228.5165 6148666.4999 6148108.2215 6147542.1137

6151469.5953 6150900.3447 6150341.4668 6149771.4225 6149213.8972

6148667.8838 6148106.5377 6147539.9092 6151469.5997 6150902.9196

6150341.8861 6149768.9646 6149219.6366 6148657.6363 6148108.2533

6147551.7627 6151462.0722 6150898.4929 6150327.8611 6149784.5079

6149225.553 6148644.3072 6148106.6434 6147544.7683 6151462.6663

6150899.9595 6150338.5439 6149784.9868 6149226.5144 6148649.9875

6148110.9847 6147543.1249 6151446.745 6150893.1633 6150357.1134

6149784.8523 6149221.5412 6148665.7481 6148110.8752 6147540.5557]]

aep\_best\_sol on Genetic Generation 20: 716.6599 GWh

Best solution on Genetic Generation 21:

[[ 423964.7271 424029.0604 424090.8417 424164.888 424231.4854

424291.1866 424360.1902 424432.0494 424537.9811 424597.1145

424638.6477 424711.5229 424797.4781 424849.3568 424931.8971

425019.7018 425098.3589 425190.417 425226.3978 425276.5455

425361.9304 425425.2743 425490.3304 425570.4148 425640.3244

425700.3618 425801.9166 425873.1713 425931.5847 426000.2607

426077.414 426133.6181 426210.8947 426273.266 426353.0048

426411.9516 426501.0521 426555.3963 426624.5461 426698.2158

426768.9741 426837.9569 426898.5923 426980.0267 427062.1221

427124.1941 427187.4269 427227.0505 427351.2052 427402.7624

427475.3191 427517.952 427619.1814 427684.6096 427739.915

427808.2787 427891.4936 427960.8475 428030.9244 428089.8043

428149.7048 428228.1419 428308.6095 428357.2471 428446.4191

428492.8197 428588.0738 428667.8098 428732.5078 428802.7961

428903.5334 428963.3248 429040.2165 429108.048 429162.3869

429243.6241 429311.3372 429376.3008 429434.8946 429511.8347]

[6151460.4374 6150919.0476 6150350.9623 6149742.273 6149207.7538

6148677.0418 6148117.2233 6147535.6172 6151470.7029 6150905.9311

6150348.0094 6149782.8219 6149219.1316 6148673.5829 6148105.9478

6147532.5613 6151471.8285 6150902.709 6150330.6088 6149779.3765

6149224.5869 6148666.7553 6148085.4837 6147542.0096 6151459.6884

6150897.9391 6150338.1485 6149791.1231 6149228.2016 6148663.9667

6148086.0588 6147549.8911 6151460.0271 6150906.7942 6150340.5934

6149773.4677 6149222.5608 6148665.5156 6148113.088 6147541.4296

6151468.4728 6150906.6957 6150345.9343 6149771.342 6149210.8507

6148666.8855 6148101.0837 6147538.4907 6151471.5956 6150909.569

6150340.4647 6149768.1606 6149224.7389 6148655.598 6148101.5185

6147547.2476 6151465.5171 6150896.0832 6150328.2377 6149779.9899

6149221.3199 6148646.4204 6148108.8431 6147548.6859 6151467.0238

6150906.3182 6150335.0405 6149782.8204 6149226.6191 6148648.9886

6148117.9041 6147545.5851 6151447.5051 6150895.1147 6150356.7208

6149784.6578 6149219.0859 6148660.4136 6148114.5936 6147537.1326]]

aep\_best\_sol on Genetic Generation 21: 716.6655 GWh

Best solution on Genetic Generation 22:

[[ 423960.3568 424024.832 424089.906 424169.5439 424225.8692

424291.0821 424355.4659 424428.551 424532.1466 424599.6969

424642.2957 424714.7414 424802.5019 424848.9326 424925.8906

425022.6627 425102.8219 425189.672 425228.4241 425276.7697

425355.407 425420.8417 425495.7282 425569.9118 425640.4917

425705.6115 425802.7749 425871.6647 425924.6873 426003.6057

426071.5916 426131.8049 426214.3824 426275.1116 426346.0745

426412.6882 426499.4615 426555.7381 426626.8257 426693.5761

426774.7016 426831.2096 426894.8806 426979.783 427067.6682

427125.5017 427184.0384 427223.175 427355.0221 427405.8554

427473.0566 427520.5415 427615.0752 427679.2991 427746.3924

427805.3833 427895.2358 427966.2102 428024.0164 428095.1391

428149.7466 428234.6844 428301.766 428352.352 428450.9379

428494.9138 428589.0224 428671.1309 428737.8585 428803.3798

428905.6327 428967.2542 429033.8213 429108.1915 429156.8988

429243.2901 429304.5758 429376.4496 429441.3518 429515.0384]

[6151463.8761 6150917.8979 6150357.3272 6149739.7055 6149202.0236

6148676.1452 6148122.9283 6147537.028 6151463.7754 6150908.4614

6150354.9154 6149781.1865 6149223.8014 6148679.0724 6148105.7879

6147538.6444 6151471.0581 6150896.5795 6150335.6672 6149783.8064

6149230.4398 6148671.297 6148088.4342 6147540.391 6151463.7414

6150904.0095 6150340.1657 6149797.8076 6149224.8952 6148659.1564

6148091.4361 6147542.9722 6151457.4509 6150906.7519 6150340.2523

6149777.2857 6149224.8161 6148667.7675 6148108.822 6147541.1966

6151470.776 6150912.0123 6150344.4735 6149775.2977 6149204.9977

6148663.6298 6148105.6575 6147535.4111 6151469.5437 6150909.0165

6150347.3317 6149765.7811 6149222.0057 6148653.6208 6148098.3601

6147545.4596 6151463.3892 6150900.503 6150330.6705 6149776.1264

6149217.156 6148644.258 6148115.8089 6147547.5329 6151464.2188

6150901.5936 6150333.1907 6149785.1639 6149220.7146 6148655.9256

6148120.9089 6147541.1281 6151452.2671 6150897.3116 6150349.9823

6149781.3172 6149225.6005 6148665.1821 6148112.2019 6147537.6247]]

aep\_best\_sol on Genetic Generation 22: 716.7443 GWh

Best solution on Genetic Generation 23:

[[ 423957.3263 424019.5873 424087.5807 424163.8578 424227.2431

424295.9525 424361.2047 424426.1434 424536.9591 424593.9416

424649.1803 424719.4299 424796.0297 424853.671 424930.0757

425016.6244 425103.7285 425186.8623 425223.2833 425272.6352

425352.8136 425418.5075 425500.6846 425570.8954 425637.5751

425699.9587 425801.7184 425870.664 425929.0469 426007.9297

426067.7856 426136.2795 426209.713 426273.7022 426343.8446

426418.7269 426500.1458 426553.1723 426630.0012 426687.5201

426768.0012 426833.7217 426888.6652 426972.9083 427062.3739

427119.3077 427190.4608 427227.0497 427352.0559 427407.32

427475.3841 427526.9711 427615.5273 427683.1931 427751.5573

427808.8403 427896.194 427967.641 428026.3215 428089.5346

428156.1167 428231.7427 428301.1972 428355.5202 428452.9506

428501.0589 428590.122 428666.1598 428742.207 428808.9463

428911.2084 428969.7269 429035.1401 429105.5047 429151.424

429243.2816 429306.3941 429379.2323 429442.118 429514.5845]

[6151468.4264 6150911.356 6150350.4254 6149737.7075 6149205.0634

6148679.6158 6148128.1113 6147540.0697 6151461.6452 6150902.4462

6150357.2375 6149777.4979 6149218.9668 6148679.6751 6148106.3503

6147542.7047 6151467.289 6150895.41 6150342.0108 6149790.0162

6149230.6827 6148671.7419 6148085.3891 6147543.0209 6151462.5433

6150899.7642 6150334.3449 6149800.6988 6149223.0981 6148661.1762

6148098.3589 6147548.5403 6151456.997 6150910.8568 6150339.0999

6149783.7617 6149221.7458 6148671.1573 6148111.027 6147547.8641

6151470.2571 6150918.3953 6150338.7146 6149776.652 6149203.1276

6148664.9754 6148103.7044 6147536.3723 6151465.7987 6150907.7388

6150346.2751 6149769.5008 6149219.2312 6148653.4752 6148096.2327

6147539.3012 6151459.4369 6150907.3635 6150336.3686 6149780.6606

6149214.6126 6148644.6835 6148116.5821 6147542.4113 6151468.504

6150899.8909 6150328.9166 6149783.0169 6149214.5072 6148660.6247

6148118.2384 6147538.5198 6151457.5658 6150903.3199 6150356.8322

6149774.5698 6149223.1723 6148665.4945 6148105.3574 6147532.2305]]

aep\_best\_sol on Genetic Generation 23: 716.8025 GWh

Best solution on Genetic Generation 24:

[[ 423957.4742 424023.0801 424089.3441 424169.5414 424226.467

424291.5992 424363.0776 424428.8044 424533.3194 424587.8797

424645.3412 424713.7781 424798.525 424859.892 424936.552

425017.4341 425102.2377 425181.3081 425227.1086 425274.

425352.2969 425422.3198 425504.6796 425576.4477 425636.5602

425698.3522 425801.0078 425865.5408 425922.9092 426004.8598

426073.3967 426138.3222 426215.6971 426268.4297 426345.3613

426416.8093 426497.3729 426555.6325 426632.7706 426684.1785

426767.7674 426834.1638 426891.887 426978.9927 427063.5451

427125.7649 427183.8756 427226.013 427353.7777 427413.5172

427474.328 427531.6723 427621.0456 427683.3487 427750.7953

427815.6952 427899.8354 427963.5065 428024.4573 428083.2592

428162.4573 428227.331 428306.741 428351.1249 428449.978

428502.4505 428586.154 428668.2213 428745.5534 428813.8263

428909.211 428972.019 429040.2914 429106.9851 429145.4799

429243.197 429309.2131 429374.1111 429442.3622 429515.1198]

[6151463.1696 6150904.383 6150344.0167 6149744.4028 6149204.9979

6148681.7073 6148121.4972 6147533.4665 6151466.3036 6150896.1531

6150355.9717 6149770.738 6149220.7254 6148681.0719 6148105.0256

6147542.8226 6151462.364 6150894.7603 6150336.1422 6149784.7858

6149232.9559 6148668.5092 6148090.2041 6147538.127 6151463.1479

6150905.1703 6150329.6787 6149795.0046 6149223.007 6148661.541

6148101.2562 6147548.8651 6151463.9701 6150908.538 6150339.9088

6149790.0044 6149220.1192 6148669.567 6148112.6105 6147544.8261

6151471.5507 6150923.2736 6150341.106 6149772.5379 6149201.287

6148671.2427 6148097.562 6147537.7773 6151468.1259 6150907.4536

6150350.5063 6149773.644 6149224.4436 6148657.0779 6148091.4065

6147533.6288 6151464.189 6150904.6061 6150343.1004 6149779.1601

6149221.1593 6148647.4123 6148111.1757 6147544.0921 6151471.5366

6150897.802 6150334.6067 6149785.1311 6149215.613 6148665.5533

6148116.9294 6147542.5549 6151454.3077 6150899.4722 6150363.5962

6149778.0316 6149217.2815 6148670.7821 6148105.556 6147535.0222]]

aep\_best\_sol on Genetic Generation 24: 716.7864 GWh

Best solution on Genetic Generation 25:

[[ 423959.9291 424020.8085 424086.9906 424173.7282 424223.5713

424297.8228 424369.3029 424428.5787 424528.702 424581.5648

424645.3484 424711.3969 424792.5382 424861.1643 424942.1945

425011.2533 425108.2322 425174.3669 425222.9388 425267.8375

425352.2717 425423.5424 425506.6957 425573.5954 425643.0858

425704.2515 425799.8328 425859.6639 425920.3024 426001.9866

426079.6722 426141.6966 426214.2021 426270.2084 426344.9726

426415.2154 426492.5206 426555.9632 426629.8108 426679.8411

426765.6885 426830.6657 426892.1464 426982.4148 427062.9163

427124.043 427184.1833 427223.7234 427354.5018 427415.2143

427470.7921 427537.533 427616.585 427689.1655 427750.6116

427816.2455 427903.1561 427965.4983 428024.1522 428076.5095

428166.7542 428223.0991 428304.0866 428358.1126 428454.3101

428504.2443 428586.9262 428667.255 428745.3972 428818.8465

428907.6279 428966.0523 429033.4262 429101.6404 429149.9702

429239.6464 429310.4462 429376.5634 429443.7021 429508.8918]

[6151460.6852 6150899.7453 6150348.3302 6149738.1954 6149210.0681

6148678.9272 6148117.3243 6147538.6611 6151461.6861 6150892.9442

6150349.6224 6149772.4204 6149227.0349 6148683.3535 6148098.3089

6147537.8993 6151457.9827 6150895.7161 6150329.5498 6149783.497

6149226.7749 6148664.7713 6148094.1928 6147531.6779 6151467.057

6150901.006 6150331.4188 6149791.0552 6149225.5839 6148662.802

6148100.3485 6147545.4028 6151470.3168 6150909.2716 6150346.25

6149786.066 6149215.5168 6148666.5588 6148110.4952 6147543.2308

6151465.844 6150921.4612 6150341.5233 6149779.3066 6149196.4271

6148669.7575 6148101.5387 6147541.1745 6151465.1727 6150906.7016

6150347.1444 6149777.914 6149218.6591 6148657.5686 6148093.1401

6147531.4335 6151459.6387 6150911.369 6150338.3245 6149785.5441

6149223.3014 6148649.427 6148106.3139 6147548.8367 6151468.0864

6150895.1199 6150339.1975 6149787.575 6149208.9545 6148664.4615

6148111.8567 6147543.9452 6151455.8362 6150899.8632 6150367.585

6149776.8198 6149217.2428 6148669.8032 6148110.4049 6147536.0022]]

aep\_best\_sol on Genetic Generation 25: 716.7998 GWh

Best solution on Genetic Generation 26:

[[ 423953.5104 424021.5383 424090.9026 424168.0347 424225.8537

424291.7116 424364.2324 424429.0306 424523.0361 424577.8938

424650.6605 424706.5042 424795.9052 424854.8556 424937.7448

425010.071 425109.5964 425170.6046 425217.0644 425271.0745

425357.4374 425422.5073 425505.782 425573.7895 425646.1498

425709.8155 425796.3536 425864.9295 425925.7977 425998.522

426083.481 426141.8692 426218.1671 426272.9878 426339.0355

426415.8565 426498.6775 426562.6014 426634.462 426673.5141

426761.6225 426836.7026 426886.0977 426979.4256 427059.7736

427128.9184 427184.2892 427220.7693 427358.604 427419.0207

427467.2886 427543.1161 427615.4646 427682.7267 427755.2966

427819.3282 427909.3949 427962.6885 428023.7532 428080.4396

428160.9552 428226.4941 428310.2754 428364.704 428452.3461

428509.0499 428585.2143 428662.7223 428747.5917 428814.077

428906.0817 428972.733 429039.0075 429103.1345 429156.5147

429244.1334 429308.0538 429371.568 429438.3506 429507.6153]

[6151458.3831 6150897.3915 6150347.9883 6149735.7106 6149205.7659

6148682.5275 6148120.0216 6147543.9815 6151465.7145 6150887.3113

6150356.4566 6149774.8281 6149220.6368 6148677.6027 6148103.4252

6147533.477 6151463.5456 6150897.6318 6150328.2579 6149787.9623

6149232.3956 6148661.8756 6148099.8839 6147536.0073 6151470.1859

6150894.1561 6150336.9162 6149797.7185 6149222.0244 6148662.7745

6148094.8628 6147546.1678 6151470.385 6150915.9406 6150347.7988

6149788.8889 6149210.1249 6148662.7556 6148109.3973 6147547.4038

6151463.1696 6150924.9298 6150348.3869 6149785.0617 6149197.0783

6148671.3735 6148102.7978 6147540.8623 6151468.3627 6150911.5849

6150350.527 6149780.674 6149225.4096 6148659.0986 6148087.3419

6147534.3617 6151456.9661 6150912.5223 6150335.4977 6149790.1039

6149218.7834 6148650.2156 6148100.0516 6147552.8962 6151467.8823

6150897.3112 6150344.7998 6149790.5361 6149212.7117 6148659.0324

6148104.9038 6147540.2787 6151452.3746 6150898.289 6150369.5952

6149777.2206 6149214.11 6148663.4212 6148107.6571 6147536.8169]]

aep\_best\_sol on Genetic Generation 26: 716.7892 GWh

Best solution on Genetic Generation 27:

[[ 423956.9643 424022.5765 424093.3908 424161.6862 424229.2531

424288.1409 424358.3292 424432.3973 424518.2777 424572.7932

424647.0885 424702.3674 424795.1001 424860.3727 424941.8136

425009.1901 425112.4268 425176.9855 425219.6546 425271.7009

425354.1957 425419.6194 425503.7184 425576.4822 425651.3871

425710.8155 425796.7822 425865.7107 425923.301 426004.1123

426084.0592 426145.6525 426220.7547 426267.378 426337.6292

426420.8917 426499.4453 426561.5253 426641.32 426670.2068

426758.8232 426837.1506 426886.7802 426984.5862 427066.1642

427127.7686 427191.2553 427222.0494 427365.2475 427420.4899

427473.0873 427542.0525 427618.5612 427680.8579 427755.3295

427822.0987 427906.3188 427969.4252 428020.0124 428077.5586

428166.7516 428230.9051 428305.1538 428366.7939 428451.301

428509.4341 428583.5207 428655.9953 428752.07 428813.9615

428899.1744 428974.9349 429036.8228 429102.9272 429156.1127

429241.0018 429311.0951 429364.8659 429444.8285 429506.822 ]

[6151459.985 6150890.8792 6150354.6128 6149737.3515 6149200.9314

6148682.5557 6148126.7624 6147538.6041 6151469.8232 6150886.0582

6150355.1311 6149769.675 6149222.4616 6148671.7021 6148104.6794

6147533.6911 6151469.1386 6150893.8673 6150334.9324 6149791.764

6149232.1606 6148658.5231 6148097.4605 6147533.6662 6151468.0251

6150899.0678 6150335.5295 6149791.9165 6149220.7367 6148664.7557

6148101.0485 6147539.6772 6151467.1322 6150917.8992 6150345.6053

6149793.1173 6149216.7874 6148663.8281 6148115.2982 6147549.4569

6151469.1408 6150919.2876 6150341.5231 6149779.7689 6149198.4657

6148665.8405 6148105.991 6147535.1962 6151461.5902 6150914.606

6150343.9874 6149782.3167 6149219.4573 6148665.0836 6148093.8735

6147531.1047 6151463.5833 6150911.1416 6150331.5321 6149792.1627

6149221.8855 6148654.1765 6148106.6449 6147548.1438 6151464.2334

6150900.5236 6150344.3901 6149792.2138 6149216.3366 6148658.6532

6148102.3916 6147535.1528 6151453.2774 6150896.4817 6150365.0972

6149775.2191 6149220.8766 6148664.6057 6148108.344 6147535.986 ]]

aep\_best\_sol on Genetic Generation 27: 716.8552 GWh

Best solution on Genetic Generation 28:

[[ 423954.6791 424024.7218 424090.9273 424160.6947 424224.8133

424289.1442 424360.4436 424428.2313 424517.5874 424567.6269

424643.5149 424707.1993 424791.0347 424856.5988 424944.9208

425009.839 425110.5861 425173.2923 425219.0278 425276.5448

425350.0295 425415.8505 425497.1922 425571.9551 425651.9587

425713.4302 425798.0623 425859.1522 425920.2465 426000.4139

426090.2367 426142.9226 426214.1923 426266.0382 426340.4669

426427.0547 426493.5294 426563.0569 426634.7382 426665.0247

426759.5276 426830.9404 426891.3973 426989.649 427065.7465

427127.0225 427185.7465 427215.8209 427362.8263 427418.0787

427466.9134 427545.7069 427623.7447 427678.5956 427754.9368

427822.2919 427903.8598 427971.9489 428020.6614 428078.8209

428163.2195 428231.1424 428310.6697 428363.9919 428455.9654

428513.1046 428586.8828 428650.325 428754.0206 428809.863

428896.0844 428973.1683 429033.7255 429104.2201 429159.5482

429242.7005 429304.3281 429369.7603 429439.7409 429511.7187]

[6151459.2187 6150894.0411 6150353.442 6149730.8292 6149201.8645

6148680.4286 6148133.6118 6147542.3765 6151471.9357 6150889.0326

6150352.0404 6149770.6754 6149219.6733 6148674.5655 6148099.6075

6147538.5365 6151465.3388 6150896.263 6150338.0699 6149789.1196

6149229.0727 6148663.1631 6148101.0293 6147534.7613 6151463.3511

6150892.1426 6150340.0114 6149785.0132 6149219.8311 6148668.6185

6148101.5011 6147532.8184 6151466.4962 6150915.2924 6150345.1007

6149786.3597 6149220.1952 6148663.2665 6148113.7317 6147549.4907

6151471.0363 6150915.8878 6150335.5538 6149777.2509 6149202.1877

6148660.1667 6148099.8414 6147534.4009 6151455.7075 6150907.7635

6150346.1927 6149776.9423 6149212.7467 6148661.7749 6148098.1367

6147535.4183 6151465.929 6150907.7172 6150338.4514 6149789.9217

6149216.8314 6148650.0535 6148110.5506 6147546.9304 6151459.9545

6150904.2396 6150348.3303 6149796.099 6149211.8073 6148656.535

6148107.7275 6147537.6714 6151458.1349 6150894.7723 6150364.8804

6149774.7506 6149216.5244 6148660.1114 6148103.042 6147533.8708]]

aep\_best\_sol on Genetic Generation 28: 716.8908 GWh

Best solution on Genetic Generation 29:

[[ 423951.7304 424022.8281 424087.8832 424166.7583 424227.1502

424290.9113 424360.6432 424427.5718 424516.1754 424571.7759

424640.6131 424710.826 424787.2326 424858.2261 424939.2044

425006.0371 425108.9699 425169.0504 425222.5425 425279.8269

425346.2435 425420.7631 425494.0441 425575.7133 425657.0247

425712.107 425792.8931 425852.7462 425917.6418 425993.9085

426094.8772 426146.1004 426210.1933 426272.7235 426334.9686

426425.1741 426497.9952 426566.4569 426633.1993 426658.319

426765.6386 426833.5596 426886.9941 426991.5302 427069.6674

427132.331 427185.0441 427210.3354 427361.989 427414.2196

427467.9614 427544.3098 427622.8784 427672.459 427756.6999

427815.4488 427907.1294 427977.9913 428017.9244 428073.4458

428157.2543 428233.154 428304.833 428365.607 428459.9581

428506.3136 428589.6208 428651.9638 428749.8955 428810.5957

428900.7799 428975.7809 429035.4839 429099.801 429154.422

429240.1503 429307.7249 429375.2583 429445.8367 429515.5315]

[6151460.0607 6150890.8658 6150355.9875 6149729.5882 6149199.2185

6148686.1887 6148138.7519 6147544.4979 6151471.0616 6150895.4156

6150350.1794 6149772.8508 6149219.6584 6148669.9873 6148106.4673

6147538.8443 6151465.6483 6150898.3389 6150331.8516 6149786.7643

6149222.1405 6148656.4862 6148096.8585 6147537.5325 6151458.6563

6150892.6281 6150337.0044 6149791.275 6149225.2235 6148673.4846

6148101.5773 6147534.5198 6151466.1836 6150911.1329 6150342.4275

6149785.467 6149216.9739 6148658.9168 6148107.3612 6147545.4691

6151471.0195 6150912.2998 6150338.3235 6149782.4549 6149201.602

6148658.2082 6148104.1745 6147539.855 6151461.8337 6150907.5786

6150350.6803 6149780.5113 6149217.9534 6148667.1962 6148094.7102

6147534.9879 6151463.818 6150906.6515 6150340.5831 6149789.8566

6149216.2898 6148645.5436 6148113.5753 6147540.8608 6151466.4522

6150910.174 6150352.2631 6149790.6906 6149210.9772 6148658.9535

6148100.9815 6147533.6948 6151457.0669 6150894.7456 6150366.5237

6149774.1036 6149217.523 6148661.3282 6148100.1341 6147535.8073]]

aep\_best\_sol on Genetic Generation 29: 716.909 GWh

Best solution on Genetic Generation 30:

[[ 423951.3182 424021.1318 424090.881 424164.149 424230.6662

424288.9357 424359.1187 424434.387 424521.8564 424576.3286

424638.6459 424706.702 424782.0099 424861.1632 424933.5011

424999.1827 425103.6461 425164.0167 425226.2676 425281.1078

425339.8135 425420.8714 425495.3939 425579.8357 425654.8231

425712.805 425789.8197 425851.1477 425920.1874 425988.1619

426088.0761 426140.0851 426204.0632 426270.7116 426334.4999

426424.6829 426500.4376 426560.9741 426629.602 426657.2312

426765.7563 426831.5672 426889.5358 426991.6254 427068.6243

427133.159 427187.6773 427214.0549 427361.6642 427418.227

427468.5263 427541.0577 427617.8316 427676.9657 427761.101

427810.9487 427906.5714 427982.9686 428023.3032 428077.1684

428161.817 428228.8275 428301.4097 428372.5511 428464.0766

428511.54 428592.0101 428654.9411 428750.7823 428810.7671

428901.1171 428969.6358 429038.653 429098.1903 429151.4296

429235.9385 429309.6053 429372.8052 429446.5331 429515.7876]

[6151454.5574 6150886.0605 6150360.4955 6149725.65 6149201.8358

6148681.6791 6148143.3486 6147540.0489 6151464.3744 6150897.1897

6150349.6471 6149769.1863 6149223.9057 6148671.8396 6148100.6492

6147538.3224 6151467.1826 6150898.9392 6150338.4033 6149792.4728

6149228.3661 6148658.6501 6148102.6566 6147535.4595 6151465.6542

6150886.7654 6150330.1123 6149796.8592 6149225.7106 6148677.1701

6148108.2795 6147532.1334 6151469.8217 6150907.9863 6150339.8681

6149784.0458 6149210.7897 6148663.2803 6148102.3855 6147540.5104

6151466.1255 6150912.2551 6150337.5914 6149787.87 6149195.6896

6148664.2017 6148100.3002 6147540.5429 6151457.9774 6150911.784

6150350.2393 6149787.3578 6149213.5493 6148660.6482 6148097.1289

6147531.4269 6151466.6572 6150902.7925 6150344.2209 6149793.6724

6149221.1225 6148649.0352 6148113.0685 6147539.3164 6151466.2517

6150914.6534 6150351.4881 6149794.0915 6149208.919 6148660.0778

6148098.1676 6147533.8954 6151457.8929 6150890.7906 6150363.0142

6149768.8986 6149218.9826 6148667.7678 6148106.2406 6147539.6456]]

aep\_best\_sol on Genetic Generation 30: 716.9009 GWh

Generation ... Fitness Function\_xy\_gensol

0 1 ... 715.0

1 2 ... 715.0

2 3 ... 715.0

3 4 ... 715.0

4 5 ... 715.0

... ... ...

35995 35996 ... 716.0

35996 35997 ... 716.0

35997 35998 ... 716.0

35998 35999 ... 716.0

35999 36000 ... 716.0

[36000 rows x 5 columns] 4

finalsolution

[[ 423951. 424021. 424091. 424164. 424231. 424289. 424359. 424434.

424522. 424576. 424639. 424707. 424782. 424861. 424934. 424999.

425104. 425164. 425226. 425281. 425340. 425421. 425495. 425580.

425655. 425713. 425790. 425851. 425920. 425988. 426088. 426140.

426204. 426271. 426334. 426425. 426500. 426561. 426630. 426657.

426766. 426832. 426890. 426992. 427069. 427133. 427188. 427214.

427362. 427418. 427469. 427541. 427618. 427677. 427761. 427811.

427907. 427983. 428023. 428077. 428162. 428229. 428301. 428373.

428464. 428512. 428592. 428655. 428751. 428811. 428901. 428970.

429039. 429098. 429151. 429236. 429310. 429373. 429447. 429516.]

[6151455. 6150886. 6150360. 6149726. 6149202. 6148682. 6148143. 6147540.

6151464. 6150897. 6150350. 6149769. 6149224. 6148672. 6148101. 6147538.

6151467. 6150899. 6150338. 6149792. 6149228. 6148659. 6148103. 6147535.

6151466. 6150887. 6150330. 6149797. 6149226. 6148677. 6148108. 6147532.

6151470. 6150908. 6150340. 6149784. 6149211. 6148663. 6148102. 6147541.

6151466. 6150912. 6150338. 6149788. 6149196. 6148664. 6148100. 6147541.

6151458. 6150912. 6150350. 6149787. 6149214. 6148661. 6148097. 6147531.

6151467. 6150903. 6150344. 6149794. 6149221. 6148649. 6148113. 6147539.

6151466. 6150915. 6150351. 6149794. 6149209. 6148660. 6148098. 6147534.

6151458. 6150891. 6150363. 6149769. 6149219. 6148668. 6148106. 6147540.]] 4

aep\_ref: 715.7029 GWh

aep\_max: 716.9009 GWh

Gráfico, Gráfico radial

Descripción generada automáticamente

Imagen que contiene Gráfico

Descripción generada automáticamente

Calendario

Descripción generada automáticamente con confianza baja

Gráfico, Gráfico de dispersión

Descripción generada automáticamente

Gráfico, Gráfico de dispersión

Descripción generada automáticamente