**Letter Automation 2021**

Add new structures with minimal information.

Address information (Multiple Fields)

Lot Number

Geocode

InParcel

FullRoadName

FullAddress

SendLetter

PYTHON automation starts here.

1. Join by Attributes.

arcpy.management.AddJoin('Standard Working Data\\Online\_MC\_Layers\\SiteStructureAddressPoints', 'ParcelID', 'Standard Working Data\\Parcels', 'PARCELID', 'KEEP\_ALL')

Calculate fields based upon attributes.

Source: Planning

LegalDesc

Subdivision

arcpy.management.CalculateField(r"Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints", "L1SiteStructureAddressPoints.FullAddress", '" ".join([str(i) for i in [ !Add\_Number!, !AddNum\_Suf!, !LSt\_PreType!, !LSt\_PreDir!, !LSt\_Name!, !LSt\_Type!,!LSt\_PosDir!] if i])', "PYTHON3", '', "TEXT")

arcpy.management.CalculateField(r"Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints", "L1SiteStructureAddressPoints.FullRoadName", '" ".join([str(i) for i in [ !LSt\_PreType!, !LSt\_PreDir!, !LSt\_Name!, !LSt\_Type!,!LSt\_PosDir!] if i])', "PYTHON3", '', "TEXT")

arcpy.management.CalculateField(r"Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints", "Source", "'PLANNING LVEI'", "PYTHON3", '', "TEXT")

arcpy.management.CalculateField(r"Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints", "L1SiteStructureAddressPoints.Place\_Type", "'unknown'", "PYTHON3", '', "TEXT")

arcpy.management.CalculateField(r"Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints", "L1SiteStructureAddressPoints.Place\_Type", "'unknown'", "PYTHON3", '', "TEXT")

arcpy.management.CalculateField(r"Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints", "L1SiteStructureAddressPoints.Placement", "'Unknown'", "PYTHON3", '', "TEXT")

arcpy.management.CalculateField(r"Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints", "L1SiteStructureAddressPoints.Siding", "'Unknown'", "PYTHON3", '', "TEXT")

arcpy.management.CalculateField(r"Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints", "L1SiteStructureAddressPoints.Roof", "'Unknown'", "PYTHON3", '', "TEXT")

arcpy.management.CalculateField(r"Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints", "L1SiteStructureAddressPoints.StrucType1", "'NOT MAPPED OR VALIDATED PER PLANNING'", "PYTHON3", '', "TEXT")

arcpy.management.CalculateField(r"Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints", "L1SiteStructureAddressPoints.StrucType2", "'NOT MAPPED OR VALIDATED PER PLANNING'", "PYTHON3", '', "TEXT")

arcpy.management.CalculateField(r"Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints", "L1SiteStructureAddressPoints.StrucType3", "'NOT MAPPED OR VALIDATED PER PLANNING'", "PYTHON3", '', "TEXT")

arcpy.management.CalculateField(r"Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints", "L1SiteStructureAddressPoints.AssesText", "!L0Parcels.AssessmentCode!", "PYTHON3", '', "TEXT")

arcpy.management.CalculateField(r"Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints", "L1SiteStructureAddressPoints.LegalDescr", "!L0Parcels.LegalDescriptionShort!", "PYTHON3", '', "TEXT")

arcpy.management.CalculateField(r"Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints", "FullRoadName\_ESN", '"".join([str(i) for i in [!FullRoadName!,"\_",!ESN!] if i])', "PYTHON3", '', "TEXT")

arcpy.management.CalculateField(r"Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints", "FullAddress\_MSAGComm", '"".join([str(i) for i in [!FullAddress!,"\_",!MSAGComm!] if i])', "PYTHON3", '', "TEXT")

arcpy.management.CalculateField(r"Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints", "FullAddress\_ESN", '"".join([str(i) for i in [!FullAddress!,"\_",!ESN!] if i])', "PYTHON3", '', "TEXT")

arcpy.management.CalculateField(r"Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints", "Label", '" ".join([str(i) for i in [ !Add\_Number!, !AddNum\_Suf!, !LSt\_PreType!, !LSt\_PreDir!, !LSt\_Name!, !LSt\_Type!,!LSt\_PosDir!] if i])', "PYTHON3", '', "TEXT")

arcpy.management.CalculateField(r"Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints", "FullRoadName\_MSAGComm", "!FullRoadName! + ' ' + !MSAGComm!", "PYTHON3", '', "TEXT")

arcpy.management.CalculateField(r"Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints", "L1SiteStructureAddressPoints.LegalDescr", "!L0Parcels.LegalDescriptionShort!", "PYTHON3", '', "TEXT")

arcpy.management.CalculateField(r"Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints", "L1SiteStructureAddressPoints.SubdivName", "!L0Parcels.Subdivision!", "PYTHON3", '', "TEXT")

arcpy.management.CalculateField(r"Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints", "YEAR\_BUILT", "'9999'", "PYTHON3", '', "TEXT")

arcpy.management.CalculateField(r"Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints", "GeoText", "!ParcelID!", "PYTHON3", '', "TEXT")

# Remove Join

arcpy.management.RemoveJoin(r"Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints", "L0Parcels")

# Update NGUID:

arcpy.management.CalculateField(r"Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints", "Site\_NGUID", "autoIncrement()", "PYTHON3", r'rec = 9178def autoIncrement(): global rec pStart = 9110 pInterval = 1 if (rec == 0): rec = pStart else: rec = rec + pInterval return "STR.MADISON." + str(rec)', "TEXT")

1. Create new folder in MailingAppend.
   * Name: “Date”\_NewAddresses

def CreateTodaysAddressFolder():

'''Creates folder inside of MailingAppendLetters on the desktop and includes the date and time the folder was created'''

import os

folderDate = str(datetime.datetime.today().strftime('%m-%d-%Y\_Time-%H-%M')).split()[0]

folderUsed = r'C:\Users\TLuksha\Desktop\MailingAppendLetters' + os.path.sep + folderDate + '-Address\_Data-Letters'

workingDirectory = os.mkdir(folderUsed)

print(folderDate)

print('Folder Created at: \n\t' +folderUsed)

return folderDate, folderUsed; *# returned as a tuple*

fileDate, FileUsed = CreateTodaysAddressFolder()print(fileDate)print(FileUsed)

# Set Workspace.

# # Set the scratchWorkspace environment to local file geodatabase arcpy.EnvManager(scratchWorkspace=r"E:\GIS\DailyData\MXDs\ArcGIS\_Pro\_Projects\8-25-20-Tommy\8-25-20-Tommy.gdb" workspace=r"E:\GIS\DailyData\MXDs\ArcGIS\_Pro\_Projects\8-25-20-Tommy\8-25-20-Tommy.gdb"):

# Update NGUID if NGUID needs updating!!!

# *‘’’ # Need to add an "IF empty, calculate STR.MADISON.NGUID" AND IF calculating NGUID, find Max NGUID in use to start counter.* arcpy.management.CalculateField(r"Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints", "L1SiteStructureAddressPoints.Site\_NGUID", "autoIncrement()", "PYTHON3", r'rec = 9179def autoIncrement(): global rec pStart = 9999 pInterval = 1 if (rec == 0): rec = pStart else: rec = rec + pInterval return "STR.MADISON." + str(rec)', "TEXT")

# *‘’’*

# Spatial Join with Zip Code

arcpy.analysis.SpatialJoin(r"Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints", r"Standard Working Data\tl\_2016\_us\_zcta510", r"C:\Users\TLuksha\Desktop\MailingAppendLetters\04-12-2021\_Time-14-24-Address\_Data-Letters\Data\04-12-21\_Add-Let-Wzip.shp", "JOIN\_ONE\_TO\_ONE", "KEEP\_ALL", r'Source "Source of Data" true true false 75 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.Source,0,75;DateUpdate "Date Updated" true true false 8 Date 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.DateUpdate,-1,-1;Effective "Effective Date" true true false 8 Date 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.Effective,-1,-1;Expire "Expiration Date" true true false 8 Date 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.Expire,-1,-1;Site\_NGUID "Site NENA Globally Unique ID" true true false 100 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.Site\_NGUID,0,100;Country "Country" true true false 2 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.Country,0,2;State "State" true true false 2 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.State,0,2;County "County" true true false 40 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.County,0,40;AddCode "Additional Code" true true false 6 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.AddCode,0,6;AddDataURI "Additional Data URI" true true false 254 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.AddDataURI,0,254;Inc\_Muni "Incorporated Municipality" true true false 100 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.Inc\_Muni,0,100;Uninc\_Comm "Unincorporated Community" true true false 100 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.Uninc\_Comm,0,100;Nbrhd\_Comm "Neighborhood Community" true true false 100 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.Nbrhd\_Comm,0,100;AddNum\_Pre "Address Number Prefix" true true false 15 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.AddNum\_Pre,0,15;Add\_Number "Address Number" true true false 0 Long 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.Add\_Number,-1,-1;AddNum\_Suf "Address Number Suffix" true true false 15 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.AddNum\_Suf,0,15;St\_PreMod "Street Name Pre Modifier" true true false 15 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.St\_PreMod,0,15;St\_PreDir "Street Name Pre Directional" true true false 9 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.St\_PreDir,0,9;St\_PreType "Street Name Pre Type" true true false 50 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.St\_PreType,0,50;St\_PreSep "Street Name Pre Type Separator" true true false 20 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.St\_PreSep,0,20;St\_Name "Street Name" true true false 60 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.St\_Name,0,60;St\_PosTyp "Street Name Post Type" true true false 50 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.St\_PosTyp,0,50;St\_PosDir "Street Name Post Directional" true true false 9 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.St\_PosDir,0,9;St\_PosMod "Street Name Post Modifier" true true false 25 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.St\_PosMod,0,25;LSt\_PreTyp "Legacy Street Name Pre Type" true true false 10 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.LSt\_PreType,0,10;LSt\_PreDir "Legacy Street Name Pre Directional" true true false 2 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.LSt\_PreDir,0,2;LSt\_Name "Legacy Street Name" true true false 75 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.LSt\_Name,0,75;LSt\_Type "Legacy Street Name Type" true true false 10 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.LSt\_Type,0,10;LSt\_PosDir "Legacy Street Name Post Directional" true true false 2 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.LSt\_PosDir,0,2;ESN "ESN" true true false 5 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.ESN,0,5;MSAGComm "MSAG Community Name" true true false 30 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.MSAGComm,0,30;Post\_Comm "Postal Community Name" true true false 40 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.Post\_Comm,0,40;Post\_Code "Postal Code" true true false 7 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.Post\_Code,0,7;Post\_Code4 "ZIP Plus 4" true true false 4 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.Post\_Code4,0,4;Building "Building" true true false 75 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.Building,0,75;Floor "Floor" true true false 75 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.Floor,0,75;Unit "Unit" true true false 75 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.Unit,0,75;Room "Room" true true false 75 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.Room,0,75;Seat "Seat" true true false 75 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.Seat,0,75;Addtl\_Loc "Additional Location Information" true true false 255 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.Addtl\_Loc,0,255;LandmkName "Complete Landmark Name" true true false 150 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.LandmkName,0,150;Mile\_Post "Mile Post" true true false 150 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.Mile\_Post,0,150;Place\_Type "Place Type" true true false 50 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.Place\_Type,0,50;Placement "Placement Method" true true false 25 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.Placement,0,25;Long "Longitude" true true false 0 Double 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.Long,-1,-1;Lat "Latitude" true true false 0 Double 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.Lat,-1,-1;Elev "Elevation" true true false 0 Long 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.Elev,-1,-1;MT\_PlcType "Montana Place Type" true true false 0 Long 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.MT\_PlcType,-1,-1;ParcelID "ParcelID" true true false 17 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.ParcelID,0,17;LocalID "Local Unique ID" true true false 38 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.LocalID,0,38;GlobalID "GlobalID" false false false 38 GlobalID 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.GlobalID,-1,-1;DiscrpAgID "Discrepancy Agency ID" true true false 75 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.DiscrpAgID,0,75;FullRoadNa "FullRoadName" true true false 255 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.FullRoadName,0,255;FullAddres "FullAddress" true true false 255 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.FullAddress,0,255;FullRoad\_1 "FullRoadName\_MSAGComm" true true false 255 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.FullRoadName\_MSAGComm,0,255;FullRoad\_2 "FullRoadName\_ESN" true true false 255 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.FullRoadName\_ESN,0,255;FullAddr\_1 "FullAddress\_MSAGComm" true true false 255 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.FullAddress\_MSAGComm,0,255;FullAddr\_2 "FullAddress\_ESN" true true false 255 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.FullAddress\_ESN,0,255;Notes "Notes" true true false 255 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.Notes,0,255;Original\_F "Original\_FullAddress" true true false 255 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.Original\_FullAddress,0,255;Addr\_NGUID "Address NENA Globally Unique ID" true true false 100 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.Addr\_NGUID,0,100;AccessPoin "Access Point Present" true true false 255 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.AccessPoint\_Present,0,255;Review\_Acc "Review\_AccessPresent" true true false 3 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.Review\_AccessPresent,0,3;Resolved\_A "Resolved\_AccessPresent" true true false 4 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.Resolved\_AccessPresent,0,4;Flag\_For\_D "Flag\_For\_Deletion" true true false 3 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.Flag\_For\_Deletion,0,3;Geodata\_Ed "Geodata Editing Notes" true true false 255 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.Geodata\_Editing\_Notes,0,255;Duplicate\_ "Duplicate Address" true true false 255 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.Duplicate\_Address,0,255;Review\_Dup "Review Duplicate Address" true true false 4 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.Review\_Duplicate,0,4;Resolved\_D "Resolved Duplicate" true true false 10 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.Resolved\_Duplicate,0,10;YEAR\_BUILT "YEAR\_BUILT" true true false 0 Long 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.YEAR\_BUILT,-1,-1;GeoText "GeoText" true true false 256 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.GeoText,0,256;SubdivName "SubdivName" true true false 256 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.SubdivName,0,256;SubDivLotN "SubDivLotNum" true true false 256 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.SubDivLotNum,0,256;Siding "Siding" true true false 256 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.Siding,0,256;Roof "Roof" true true false 256 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.Roof,0,256;SendLetter "SendLetter" true true false 0 Long 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.SendLetter,-1,-1;LetterType "LetterType" true true false 0 Long 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.LetterType,-1,-1;DDPsize "DDPsize" true true false 0 Long 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.DDPsize,-1,-1;LetterSent "LetterSent" true true false 0 Date 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.LetterSent,-1,-1;InParcel "InParcel" true true false 256 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.InParcel,0,256;LetterTo "LetterTo" true true false 256 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.LetterTo,0,256;StrucType1 "StrucType1" true true false 256 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.StrucType1,0,256;StrucType2 "StrucType2" true true false 256 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.StrucType2,0,256;StrucType3 "StrucType3" true true false 256 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.StrucType3,0,256;Comment\_1 "Comment\_1" true true false 256 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.Comment\_1,0,256;Comment\_2 "Comment\_2" true true false 256 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.Comment\_2,0,256;AssesText "AssesText" true true false 254 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.AssesText,0,254;LegalDescr "LegalDescr" true true false 254 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.LegalDescr,0,254;SDivLotNum "SDivLotNum" true true false 254 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.SDivLotNum,0,254;CreationDa "CreationDate" false true false 8 Date 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.CreationDate,-1,-1;Creator "Creator" false true false 128 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.Creator,0,128;EditDate "EditDate" false true false 8 Date 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.EditDate,-1,-1;Editor "Editor" false true false 128 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.Editor,0,128;NOTIFIED "NOTIFIED" true true false 256 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.NOTIFIED,0,256;OLDADR "OLDADR" true true false 256 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.OLDADR,0,256;PlatDeed "PlatDeed" true true false 256 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.PlatDeed,0,256;PUBLICVIEW "PUBLICVIEW" true true false 256 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.PUBLICVIEW,0,256;ProbExists "ProbExists" true true false 0 Long 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.ProbExists,-1,-1;PhoneNum "PhoneNum" true true false 256 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.PhoneNum,0,256;PlatUnitNu "PlatUnitNu" true true false 256 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.PlatUnitNu,0,256;PCSRcomp "PCSRcomp" true true false 0 Date 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.PCSRcomp,-1,-1;Label "Label" true true false 256 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.Label,0,256;Parity\_Che "Parity\_Check" true true false 256 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.Parity\_Check,0,256;Parity\_Rev "Parity\_Review" true true false 256 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.Parity\_Review,0,256;Parity\_Res "Parity\_Resolved" true true false 256 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L1SiteStructureAddressPoints.Parity\_Resolved,0,256;OBJECTID "OBJECTID" false true false 0 Long 0 9,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L0Parcels.OBJECTID,-1,-1;PARCELID\_1 "PARCELID" true true false 17 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L0Parcels.PARCELID,0,17;COUNTYCD "COUNTYCD" true true false 0 Short 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L0Parcels.COUNTYCD,-1,-1;GISAcres "GISAcres" true true false 0 Double 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L0Parcels.GISAcres,-1,-1;TaxYear "TaxYear" true true false 0 Long 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L0Parcels.TaxYear,-1,-1;PropertyID "PropertyID" true true false 0 Long 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L0Parcels.PropertyID,-1,-1;Assessment "AssessmentCode" true true false 20 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L0Parcels.AssessmentCode,0,20;Township "Township" true true false 10 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L0Parcels.Township,0,10;Range "Range" true true false 10 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L0Parcels.Range,0,10;Section "Section" true true false 10 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L0Parcels.Section,0,10;LegalDes\_1 "LegalDescriptionShort" true true false 160 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L0Parcels.LegalDescriptionShort,0,160;Subdivisio "Subdivision" true true false 60 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L0Parcels.Subdivision,0,60;Certificat "CertificateOfSurvey" true true false 30 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L0Parcels.CertificateOfSurvey,0,30;AddressLin "AddressLine1" true true false 104 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L0Parcels.AddressLine1,0,104;AddressL\_1 "AddressLine2" true true false 27 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L0Parcels.AddressLine2,0,27;CityStateZ "CityStateZip" true true false 55 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L0Parcels.CityStateZip,0,55;PropAccess "PropAccess" true true false 40 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L0Parcels.PropAccess,0,40;LevyDistri "LevyDistrict" true true false 81 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L0Parcels.LevyDistrict,0,81;PropType "PropType" true true false 60 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L0Parcels.PropType,0,60;Continuous "ContinuousCropAcres" true true false 0 Double 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L0Parcels.ContinuousCropAcres,-1,-1;FallowAcre "FallowAcres" true true false 0 Double 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L0Parcels.FallowAcres,-1,-1;FarmsiteAc "FarmsiteAcres" true true false 0 Double 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L0Parcels.FarmsiteAcres,-1,-1;ForestAcre "ForestAcres" true true false 0 Double 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L0Parcels.ForestAcres,-1,-1;GrazingAcr "GrazingAcres" true true false 0 Double 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L0Parcels.GrazingAcres,-1,-1;WildHayAcr "WildHayAcres" true true false 0 Double 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L0Parcels.WildHayAcres,-1,-1;IrrigatedA "IrrigatedAcres" true true false 0 Double 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L0Parcels.IrrigatedAcres,-1,-1;NonQualAcr "NonQualAcres" true true false 0 Double 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L0Parcels.NonQualAcres,-1,-1;TotalAcres "TotalAcres" true true false 0 Double 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L0Parcels.TotalAcres,-1,-1;TotalBuild "TotalBuildingValue" true true false 0 Long 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L0Parcels.TotalBuildingValue,-1,-1;TotalLandV "TotalLandValue" true true false 0 Long 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L0Parcels.TotalLandValue,-1,-1;TotalValue "TotalValue" true true false 0 Long 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L0Parcels.TotalValue,-1,-1;OwnerName "OwnerName" true true false 167 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L0Parcels.OwnerName,0,167;OwnerAddre "OwnerAddress1" true true false 64 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L0Parcels.OwnerAddress1,0,64;OwnerAdd\_1 "OwnerAddress2" true true false 64 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L0Parcels.OwnerAddress2,0,64;OwnerAdd\_2 "OwnerAddress3" true true false 64 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L0Parcels.OwnerAddress3,0,64;OwnerCity "OwnerCity" true true false 40 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L0Parcels.OwnerCity,0,40;OwnerState "OwnerState" true true false 2 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L0Parcels.OwnerState,0,2;OwnerZipCo "OwnerZipCode" true true false 50 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L0Parcels.OwnerZipCode,0,50;CareOfTaxp "CareOfTaxpayer" true true false 167 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L0Parcels.CareOfTaxpayer,0,167;SHAPE\_Leng "Shape\_Length" true true false 0 Double 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L0Parcels.SHAPE\_Length,-1,-1;SHAPE\_Area "Shape\_Area" true true false 0 Double 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L0Parcels.SHAPE\_Area,-1,-1;CountyName "CountyName" true true false 32 Text 0 0,First,#,Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints,L0Parcels.CountyName,0,32;ZCTA5CE10 "ZCTA5CE10" true true false 5 Text 0 0,First,#,Standard Working Data\tl\_2016\_us\_zcta510,ZCTA5CE10,0,5;GEOID10 "GEOID10" true true false 5 Text 0 0,First,#,Standard Working Data\tl\_2016\_us\_zcta510,GEOID10,0,5;CLASSFP10 "CLASSFP10" true true false 2 Text 0 0,First,#,Standard Working Data\tl\_2016\_us\_zcta510,CLASSFP10,0,2;MTFCC10 "MTFCC10" true true false 5 Text 0 0,First,#,Standard Working Data\tl\_2016\_us\_zcta510,MTFCC10,0,5;FUNCSTAT10 "FUNCSTAT10" true true false 1 Text 0 0,First,#,Standard Working Data\tl\_2016\_us\_zcta510,FUNCSTAT10,0,1;ALAND10 "ALAND10" true true false 14 Double 0 14,First,#,Standard Working Data\tl\_2016\_us\_zcta510,ALAND10,-1,-1;AWATER10 "AWATER10" true true false 14 Double 0 14,First,#,Standard Working Data\tl\_2016\_us\_zcta510,AWATER10,-1,-1;INTPTLAT10 "INTPTLAT10" true true false 11 Text 0 0,First,#,Standard Working Data\tl\_2016\_us\_zcta510,INTPTLAT10,0,11;INTPTLON10 "INTPTLON10" true true false 12 Text 0 0,First,#,Standard Working Data\tl\_2016\_us\_zcta510,INTPTLON10,0,12;Post\_Com\_1 "Post\_Comm" true true false 100 Text 0 0,First,#,Standard Working Data\tl\_2016\_us\_zcta510,Post\_Comm,0,100', "WITHIN", None, '')

# Calculate zip code

~~Works against exported (Spatial Join) layer~~.

~~arcpy.management.CalculateField("04-12-21\_Add-Let-Wzip", "Post\_Comm", "Reclass(!Post\_Code!)", "PYTHON3", r'def Reclass(Post\_Comm): if (str(Post\_Comm) == "59701"): return "Butte" elif (str(Post\_Comm) == "59710"): return "Alder" elif (str(Post\_Comm) == "59716"): return "Big\_Sky" elif (str(Post\_Comm) == "59718"): return "Bozeman" elif (str(Post\_Comm) == "59720"): return "Cameron" elif (str(Post\_Comm) == "59721"): return "Cardwell" elif (str(Post\_Comm) == "59725"): return "Dillon" elif (str(Post\_Comm) == "59729"): return "Ennis" elif (str(Post\_Comm) == "59730"): return "Gallatin\_Gateway" elif (str(Post\_Comm) == "59732"): return "Melrose" elif (str(Post\_Comm) == "59735"): return "Harrison" elif (str(Post\_Comm) == "59739"): return "Dillon" elif (str(Post\_Comm) == "59740"): return "McAllister" elif (str(Post\_Comm) == "59743"): return "Melrose" elif (str(Post\_Comm) == "59745"): return "Norris" elif (str(Post\_Comm) == "59747"): return "Pony" elif (str(Post\_Comm) == "59749"): return "Sheridan" elif (str(Post\_Comm) == "59751"): return "Silver\_Star" elif (str(Post\_Comm) == "59752"): return "Three\_Forks" elif (str(Post\_Comm) == "59754"): return "Twin\_Bridges" elif (str(Post\_Comm) == "59755"): return "Virginia\_City" elif (str(Post\_Comm) == "59758"): return "West\_Yellowstone" elif (str(Post\_Comm) == "59759"): return "Whitehall" elif (str(Post\_Comm) == "59760"): return "Willow\_Creek" else: return "--UNKNOWN--"', "TEXT")~~

Works outside of join

def Reclass(Post\_Comm):  
 if (str(Post\_Comm) == "59701"):  
 return "Butte"  
 elif (str(Post\_Comm) == "59710"):  
 return "Alder"  
 elif (str(Post\_Comm) == "59716"):  
 return "Big\_Sky"  
 elif (str(Post\_Comm) == "59718"):  
 return "Bozeman"  
 elif (str(Post\_Comm) == "59720"):  
 return "Cameron"  
 elif (str(Post\_Comm) == "59721"):  
 return "Cardwell"  
 elif (str(Post\_Comm) == "59725"):  
 return "Dillon"  
 elif (str(Post\_Comm) == "59729"):  
 return "Ennis"  
 elif (str(Post\_Comm) == "59730"):  
 return "Gallatin\_Gateway"  
 elif (str(Post\_Comm) == "59732"):  
 return "Melrose"  
 elif (str(Post\_Comm) == "59735"):  
 return "Harrison"  
 elif (str(Post\_Comm) == "59739"):  
 return "Dillon"  
 elif (str(Post\_Comm) == "59740"):  
 return "McAllister"  
 elif (str(Post\_Comm) == "59743"):  
 return "Melrose"  
 elif (str(Post\_Comm) == "59745"):  
 return "Norris"  
 elif (str(Post\_Comm) == "59747"):  
 return "Pony"  
 elif (str(Post\_Comm) == "59749"):  
 return "Sheridan"  
 elif (str(Post\_Comm) == "59751"):  
 return "Silver\_Star"  
 elif (str(Post\_Comm) == "59752"):  
 return "Three\_Forks"  
 elif (str(Post\_Comm) == "59754"):  
 return "Twin\_Bridges"  
 elif (str(Post\_Comm) == "59755"):  
 return "Virginia\_City"  
 elif (str(Post\_Comm) == "59758"):  
 return "West\_Yellowstone"  
 elif (str(Post\_Comm) == "59759"):  
 return "Whitehall"  
 elif (str(Post\_Comm) == "59760"):  
 return "Willow\_Creek"  
 else:  
 return "--UNKNOWN--"

arcpy.management.CalculateField(r"Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints", "Post\_Comm", "Reclass(!Post\_Code!)", "PYTHON3")

1. Export Shapefile to previously created folder.

# Export Shapefile to previously created folder.

arcpy.conversion.FeatureClassToFeatureClass("04-12-21\_Add-Let-Wzip", r"C:\Users\TLuksha\Desktop\MailingAppendLetters\04-12-2021\_Time-14-24-Address\_Data-Letters\Data", "Final.shp", '', 'Join\_Count "Join\_Count" true true false 10 Long 0 10,First,#,04-12-21\_Add-Let-Wzip,Join\_Count,-1,-1;TARGET\_FID "TARGET\_FID" true true false 10 Long 0 10,First,#,04-12-21\_Add-Let-Wzip,TARGET\_FID,-1,-1;Source "Source" true true false 75 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,Source,0,75;DateUpdate "DateUpdate" true true false 8 Date 0 0,First,#,04-12-21\_Add-Let-Wzip,DateUpdate,-1,-1;Effective "Effective" true true false 8 Date 0 0,First,#,04-12-21\_Add-Let-Wzip,Effective,-1,-1;Expire "Expire" true true false 8 Date 0 0,First,#,04-12-21\_Add-Let-Wzip,Expire,-1,-1;Site\_NGUID "Site\_NGUID" true true false 100 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,Site\_NGUID,0,100;Country "Country" true true false 2 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,Country,0,2;State "State" true true false 2 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,State,0,2;County "County" true true false 40 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,County,0,40;AddCode "AddCode" true true false 6 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,AddCode,0,6;AddDataURI "AddDataURI" true true false 254 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,AddDataURI,0,254;Inc\_Muni "Inc\_Muni" true true false 100 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,Inc\_Muni,0,100;Uninc\_Comm "Uninc\_Comm" true true false 100 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,Uninc\_Comm,0,100;Nbrhd\_Comm "Nbrhd\_Comm" true true false 100 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,Nbrhd\_Comm,0,100;AddNum\_Pre "AddNum\_Pre" true true false 15 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,AddNum\_Pre,0,15;Add\_Number "Add\_Number" true true false 10 Long 0 10,First,#,04-12-21\_Add-Let-Wzip,Add\_Number,-1,-1;AddNum\_Suf "AddNum\_Suf" true true false 15 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,AddNum\_Suf,0,15;St\_PreMod "St\_PreMod" true true false 15 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,St\_PreMod,0,15;St\_PreDir "St\_PreDir" true true false 9 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,St\_PreDir,0,9;St\_PreType "St\_PreType" true true false 50 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,St\_PreType,0,50;St\_PreSep "St\_PreSep" true true false 20 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,St\_PreSep,0,20;St\_Name "St\_Name" true true false 60 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,St\_Name,0,60;St\_PosTyp "St\_PosTyp" true true false 50 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,St\_PosTyp,0,50;St\_PosDir "St\_PosDir" true true false 9 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,St\_PosDir,0,9;St\_PosMod "St\_PosMod" true true false 25 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,St\_PosMod,0,25;LSt\_PreTyp "LSt\_PreTyp" true true false 10 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,LSt\_PreTyp,0,10;LSt\_PreDir "LSt\_PreDir" true true false 2 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,LSt\_PreDir,0,2;LSt\_Name "LSt\_Name" true true false 75 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,LSt\_Name,0,75;LSt\_Type "LSt\_Type" true true false 10 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,LSt\_Type,0,10;LSt\_PosDir "LSt\_PosDir" true true false 2 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,LSt\_PosDir,0,2;ESN "ESN" true true false 5 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,ESN,0,5;MSAGComm "MSAGComm" true true false 30 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,MSAGComm,0,30;Post\_Comm "Post\_Comm" true true false 40 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,Post\_Comm,0,40;Post\_Code "Post\_Code" true true false 7 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,Post\_Code,0,7;Post\_Code4 "Post\_Code4" true true false 4 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,Post\_Code4,0,4;Building "Building" true true false 75 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,Building,0,75;Floor "Floor" true true false 75 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,Floor,0,75;Unit "Unit" true true false 75 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,Unit,0,75;Room "Room" true true false 75 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,Room,0,75;Seat "Seat" true true false 75 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,Seat,0,75;Addtl\_Loc "Addtl\_Loc" true true false 254 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,Addtl\_Loc,0,254;LandmkName "LandmkName" true true false 150 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,LandmkName,0,150;Mile\_Post "Mile\_Post" true true false 150 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,Mile\_Post,0,150;Place\_Type "Place\_Type" true true false 50 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,Place\_Type,0,50;Placement "Placement" true true false 25 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,Placement,0,25;Long "Long" true true false 19 Double 0 0,First,#,04-12-21\_Add-Let-Wzip,Long,-1,-1;Lat "Lat" true true false 19 Double 0 0,First,#,04-12-21\_Add-Let-Wzip,Lat,-1,-1;Elev "Elev" true true false 10 Long 0 10,First,#,04-12-21\_Add-Let-Wzip,Elev,-1,-1;MT\_PlcType "MT\_PlcType" true true false 10 Long 0 10,First,#,04-12-21\_Add-Let-Wzip,MT\_PlcType,-1,-1;ParcelID "ParcelID" true true false 17 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,ParcelID,0,17;LocalID "LocalID" true true false 38 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,LocalID,0,38;GlobalID "GlobalID" true true false 38 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,GlobalID,0,38;DiscrpAgID "DiscrpAgID" true true false 75 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,DiscrpAgID,0,75;FullRoadNa "FullRoadNa" true true false 254 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,FullRoadNa,0,254;FullAddres "FullAddres" true true false 254 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,FullAddres,0,254;FullRoad\_1 "FullRoad\_1" true true false 254 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,FullRoad\_1,0,254;FullRoad\_2 "FullRoad\_2" true true false 254 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,FullRoad\_2,0,254;FullAddr\_1 "FullAddr\_1" true true false 254 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,FullAddr\_1,0,254;FullAddr\_2 "FullAddr\_2" true true false 254 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,FullAddr\_2,0,254;Notes "Notes" true true false 254 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,Notes,0,254;Original\_F "Original\_F" true true false 254 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,Original\_F,0,254;Addr\_NGUID "Addr\_NGUID" true true false 100 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,Addr\_NGUID,0,100;AccessPoin "AccessPoin" true true false 254 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,AccessPoin,0,254;Review\_Acc "Review\_Acc" true true false 3 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,Review\_Acc,0,3;Resolved\_A "Resolved\_A" true true false 4 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,Resolved\_A,0,4;Flag\_For\_D "Flag\_For\_D" true true false 3 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,Flag\_For\_D,0,3;Geodata\_Ed "Geodata\_Ed" true true false 254 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,Geodata\_Ed,0,254;Duplicate\_ "Duplicate\_" true true false 254 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,Duplicate\_,0,254;Review\_Dup "Review\_Dup" true true false 4 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,Review\_Dup,0,4;Resolved\_D "Resolved\_D" true true false 10 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,Resolved\_D,0,10;YEAR\_BUILT "YEAR\_BUILT" true true false 10 Long 0 10,First,#,04-12-21\_Add-Let-Wzip,YEAR\_BUILT,-1,-1;GeoText "GeoText" true true false 254 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,GeoText,0,254;SubdivName "SubdivName" true true false 254 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,SubdivName,0,254;SubDivLotN "SubDivLotN" true true false 254 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,SubDivLotN,0,254;Siding "Siding" true true false 254 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,Siding,0,254;Roof "Roof" true true false 254 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,Roof,0,254;SendLetter "SendLetter" true true false 10 Long 0 10,First,#,04-12-21\_Add-Let-Wzip,SendLetter,-1,-1;LetterType "LetterType" true true false 10 Long 0 10,First,#,04-12-21\_Add-Let-Wzip,LetterType,-1,-1;DDPsize "DDPsize" true true false 10 Long 0 10,First,#,04-12-21\_Add-Let-Wzip,DDPsize,-1,-1;LetterSent "LetterSent" true true false 8 Date 0 0,First,#,04-12-21\_Add-Let-Wzip,LetterSent,-1,-1;InParcel "InParcel" true true false 254 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,InParcel,0,254;LetterTo "LetterTo" true true false 254 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,LetterTo,0,254;StrucType1 "StrucType1" true true false 254 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,StrucType1,0,254;StrucType2 "StrucType2" true true false 254 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,StrucType2,0,254;StrucType3 "StrucType3" true true false 254 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,StrucType3,0,254;Comment\_1 "Comment\_1" true true false 254 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,Comment\_1,0,254;Comment\_2 "Comment\_2" true true false 254 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,Comment\_2,0,254;AssesText "AssesText" true true false 254 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,AssesText,0,254;LegalDescr "LegalDescr" true true false 254 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,LegalDescr,0,254;SDivLotNum "SDivLotNum" true true false 254 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,SDivLotNum,0,254;CreationDa "CreationDa" true true false 8 Date 0 0,First,#,04-12-21\_Add-Let-Wzip,CreationDa,-1,-1;Creator "Creator" true true false 128 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,Creator,0,128;EditDate "EditDate" true true false 8 Date 0 0,First,#,04-12-21\_Add-Let-Wzip,EditDate,-1,-1;Editor "Editor" true true false 128 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,Editor,0,128;NOTIFIED "NOTIFIED" true true false 254 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,NOTIFIED,0,254;OLDADR "OLDADR" true true false 254 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,OLDADR,0,254;PlatDeed "PlatDeed" true true false 254 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,PlatDeed,0,254;PUBLICVIEW "PUBLICVIEW" true true false 254 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,PUBLICVIEW,0,254;ProbExists "ProbExists" true true false 10 Long 0 10,First,#,04-12-21\_Add-Let-Wzip,ProbExists,-1,-1;PhoneNum "PhoneNum" true true false 254 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,PhoneNum,0,254;PlatUnitNu "PlatUnitNu" true true false 254 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,PlatUnitNu,0,254;PCSRcomp "PCSRcomp" true true false 8 Date 0 0,First,#,04-12-21\_Add-Let-Wzip,PCSRcomp,-1,-1;Label "Label" true true false 254 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,Label,0,254;Parity\_Che "Parity\_Che" true true false 254 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,Parity\_Che,0,254;Parity\_Rev "Parity\_Rev" true true false 254 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,Parity\_Rev,0,254;Parity\_Res "Parity\_Res" true true false 254 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,Parity\_Res,0,254;OBJECTID\_1 "OBJECTID\_1" true true false 9 Long 0 9,First,#,04-12-21\_Add-Let-Wzip,OBJECTID\_1,-1,-1;PARCELID\_1 "PARCELID\_1" true true false 17 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,PARCELID\_1,0,17;COUNTYCD "COUNTYCD" true true false 5 Long 0 5,First,#,04-12-21\_Add-Let-Wzip,COUNTYCD,-1,-1;GISAcres "GISAcres" true true false 19 Double 0 0,First,#,04-12-21\_Add-Let-Wzip,GISAcres,-1,-1;TaxYear "TaxYear" true true false 10 Long 0 10,First,#,04-12-21\_Add-Let-Wzip,TaxYear,-1,-1;PropertyID "PropertyID" true true false 10 Long 0 10,First,#,04-12-21\_Add-Let-Wzip,PropertyID,-1,-1;Assessment "Assessment" true true false 20 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,Assessment,0,20;Township "Township" true true false 10 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,Township,0,10;Range "Range" true true false 10 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,Range,0,10;Section "Section" true true false 10 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,Section,0,10;LegalDes\_1 "LegalDes\_1" true true false 160 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,LegalDes\_1,0,160;Subdivisio "Subdivisio" true true false 60 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,Subdivisio,0,60;Certificat "Certificat" true true false 30 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,Certificat,0,30;AddressLin "AddressLin" true true false 104 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,AddressLin,0,104;AddressL\_1 "AddressL\_1" true true false 27 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,AddressL\_1,0,27;CityStateZ "CityStateZ" true true false 55 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,CityStateZ,0,55;PropAccess "PropAccess" true true false 40 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,PropAccess,0,40;LevyDistri "LevyDistri" true true false 81 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,LevyDistri,0,81;PropType "PropType" true true false 60 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,PropType,0,60;Continuous "Continuous" true true false 19 Double 0 0,First,#,04-12-21\_Add-Let-Wzip,Continuous,-1,-1;FallowAcre "FallowAcre" true true false 19 Double 0 0,First,#,04-12-21\_Add-Let-Wzip,FallowAcre,-1,-1;FarmsiteAc "FarmsiteAc" true true false 19 Double 0 0,First,#,04-12-21\_Add-Let-Wzip,FarmsiteAc,-1,-1;ForestAcre "ForestAcre" true true false 19 Double 0 0,First,#,04-12-21\_Add-Let-Wzip,ForestAcre,-1,-1;GrazingAcr "GrazingAcr" true true false 19 Double 0 0,First,#,04-12-21\_Add-Let-Wzip,GrazingAcr,-1,-1;WildHayAcr "WildHayAcr" true true false 19 Double 0 0,First,#,04-12-21\_Add-Let-Wzip,WildHayAcr,-1,-1;IrrigatedA "IrrigatedA" true true false 19 Double 0 0,First,#,04-12-21\_Add-Let-Wzip,IrrigatedA,-1,-1;NonQualAcr "NonQualAcr" true true false 19 Double 0 0,First,#,04-12-21\_Add-Let-Wzip,NonQualAcr,-1,-1;TotalAcres "TotalAcres" true true false 19 Double 0 0,First,#,04-12-21\_Add-Let-Wzip,TotalAcres,-1,-1;TotalBuild "TotalBuild" true true false 10 Long 0 10,First,#,04-12-21\_Add-Let-Wzip,TotalBuild,-1,-1;TotalLandV "TotalLandV" true true false 10 Long 0 10,First,#,04-12-21\_Add-Let-Wzip,TotalLandV,-1,-1;TotalValue "TotalValue" true true false 10 Long 0 10,First,#,04-12-21\_Add-Let-Wzip,TotalValue,-1,-1;OwnerName "OwnerName" true true false 167 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,OwnerName,0,167;OwnerAddre "OwnerAddre" true true false 64 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,OwnerAddre,0,64;OwnerAdd\_1 "OwnerAdd\_1" true true false 64 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,OwnerAdd\_1,0,64;OwnerAdd\_2 "OwnerAdd\_2" true true false 64 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,OwnerAdd\_2,0,64;OwnerCity "OwnerCity" true true false 40 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,OwnerCity,0,40;OwnerState "OwnerState" true true false 2 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,OwnerState,0,2;OwnerZipCo "OwnerZipCo" true true false 50 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,OwnerZipCo,0,50;CareOfTaxp "CareOfTaxp" true true false 167 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,CareOfTaxp,0,167;SHAPE\_Leng "SHAPE\_Leng" true true false 19 Double 0 0,First,#,04-12-21\_Add-Let-Wzip,SHAPE\_Leng,-1,-1;SHAPE\_Area "SHAPE\_Area" true true false 19 Double 0 0,First,#,04-12-21\_Add-Let-Wzip,SHAPE\_Area,-1,-1;CountyName "CountyName" true true false 32 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,CountyName,0,32;ZCTA5CE10 "ZCTA5CE10" true true false 5 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,ZCTA5CE10,0,5;GEOID10 "GEOID10" true true false 5 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,GEOID10,0,5;CLASSFP10 "CLASSFP10" true true false 2 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,CLASSFP10,0,2;MTFCC10 "MTFCC10" true true false 5 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,MTFCC10,0,5;FUNCSTAT10 "FUNCSTAT10" true true false 1 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,FUNCSTAT10,0,1;ALAND10 "ALAND10" true true false 14 Double 0 14,First,#,04-12-21\_Add-Let-Wzip,ALAND10,-1,-1;AWATER10 "AWATER10" true true false 14 Double 0 14,First,#,04-12-21\_Add-Let-Wzip,AWATER10,-1,-1;INTPTLAT10 "INTPTLAT10" true true false 11 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,INTPTLAT10,0,11;INTPTLON10 "INTPTLON10" true true false 12 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,INTPTLON10,0,12;Post\_Com\_1 "Post\_Com\_1" true true false 100 Text 0 0,First,#,04-12-21\_Add-Let-Wzip,Post\_Com\_1,0,100', '')

arcpy.conversion.FeatureClassToFeatureClass('Standard Working Data\\Online\_MC\_Layers\\SiteStructureAddressPoints',r'C:\Users\TLuksha\Desktop\MailingAppendLetters\04-15-2021\_Time-14-53-Address\_Data-Letters','04-15-21-Addresses')

# Sort file based on Postal Code

arcpy.management.Sort("04-15-21-Addresses", r"C:\Users\TLuksha\Desktop\MailingAppendLetters\04-15-2021\_Time-14-53-Address\_Data-Letters\04-15-21-Addresses-Sorted.shp", "Post\_Code ASCENDING", "UR")

# Open \*.DBF file and save as Excel

import os

os.startfile(r"C:\Users\TLuksha\Desktop\MailingAppendLetters\04-12-2021\_Time-14-53-Address\_Data-Letters\Data\04-12-2021-Address-Letters.dbf")

Save DBF as XLS and close

Consider sorting by Post office.

Consider a “Special\_Group” batch of letters.

Open MailMergeLetter #later to be the pythonLetter (Python\_Letter-1.docx)

Merge documents

Export to PDF

Email PDF

Update based on user input

LetterSent date

arcpy.management.CalculateField(r"Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints", "L1SiteStructureAddressPoints.LetterSent", "'4/15/21'", "PYTHON3", '', "TEXT")

* + SendLetter = 0

arcpy.management.CalculateField(r"Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints", "L1SiteStructureAddressPoints.SendLetter", "0", "PYTHON3", '', "TEXT")

1. Remove Joins.

Select by SendLetter

arcpy.management.SelectLayerByAttribute('Standard Working Data\\Online\_MC\_Layers\\SiteStructureAddressPoints', 'CLEAR\_SELECTION')sendLetterqry = '"SendLetter" = 1'arcpy.management.SelectLayerByAttribute('Standard Working Data\\Online\_MC\_Layers\\SiteStructureAddressPoints', 'NEW\_SELECTION', sendLetterqry)

Select intersection of new layer and structures layer

#ArcGIS Pro Letter Automation 2021

import arcpy

import os

import datetime

'''

arcpy.management.SelectLayerByAttribute('Standard Working Data\\Online\_MC\_Layers\\SiteStructureAddressPoints', 'CLEAR\_SELECTION')

sendLetterqry = '"SendLetter" = 1'

arcpy.management.SelectLayerByAttribute('Standard Working Data\\Online\_MC\_Layers\\SiteStructureAddressPoints', 'NEW\_SELECTION', sendLetterqry)

'''

def CreateTodaysAddressFolder():

'''Creates folder inside of MailingAppendLetters on the desktop and includes the date and time the folder was created'''

folderDate = str(datetime.datetime.today().strftime('%m-%d-%Y\_Time-%H-%M')).split()[0]

folderUsed = r'C:\Users\TLuksha\Desktop\MailingAppendLetters' + os.path.sep + folderDate + '-Address\_Data-Letters'

workingDirectory = os.mkdir(folderUsed)

print(folderDate)

print('Folder Created at: \n\t' +folderUsed)

CreateTodaysAddressFolder()

arcpy.management.CalculateField(r"Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints", "Post\_Comm", "Reclass(!Post\_Code!)", "PYTHON3", , "TEXT")

def Reclass(Post\_Comm): if (str(Post\_Comm) == "59701"): return "Butte" elif (str(Post\_Comm) == "59710"): return "Alder" elif (str(Post\_Comm) == "59716"): return "Big\_Sky" elif (str(Post\_Comm) == "59718"): return "Bozeman" elif (str(Post\_Comm) == "59720"): return "Cameron" elif (str(Post\_Comm) == "59721"): return "Cardwell" elif (str(Post\_Comm) == "59725"): return "Dillon" elif (str(Post\_Comm) == "59729"): return "Ennis" elif (str(Post\_Comm) == "59730"): return "Gallatin\_Gateway" elif (str(Post\_Comm) == "59732"): return "Melrose" elif (str(Post\_Comm) == "59735"): return "Harrison" elif (str(Post\_Comm) == "59739"): return "Dillon" elif (str(Post\_Comm) == "59740"): return "McAllister" elif (str(Post\_Comm) == "59743"): return "Melrose" elif (str(Post\_Comm) == "59745"): return "Norris" elif (str(Post\_Comm) == "59747"): return "Pony" elif (str(Post\_Comm) == "59749"): return "Sheridan" elif (str(Post\_Comm) == "59751"): return "Silver\_Star" elif (str(Post\_Comm) == "59752"): return "Three\_Forks" elif (str(Post\_Comm) == "59754"): return "Twin\_Bridges" elif (str(Post\_Comm) == "59755"): return "Virginia\_City" elif (str(Post\_Comm) == "59758"): return "West\_Yellowstone" elif (str(Post\_Comm) == "59759"): return "Whitehall" elif (str(Post\_Comm) == "59760"): return "Willow\_Creek" else: return "--UNKNOWN--"

Misc.

arcpy.management.CalculateField(r"Standard Working Data\Online\_MC\_Layers\SiteStructureAddressPoints", "Site\_NGUID", "autoIncrement()", "PYTHON3", r'rec = 9208def autoIncrement(): global rec pStart = 9208 pInterval = 1 if (rec == 0): rec = pStart else: rec = rec + pInterval return "STR.MADISON." + str(rec)', "TEXT")

folderDateExport = r'C:\Users\TLuksha\Desktop\MailingAppendLetters' + os.pathsep + fileDate + ' -Address\_Data-Letters'print(folderDateExport)