

# BRUNSWICK INFORMATION TECHNOLOGY DEPARTMENT

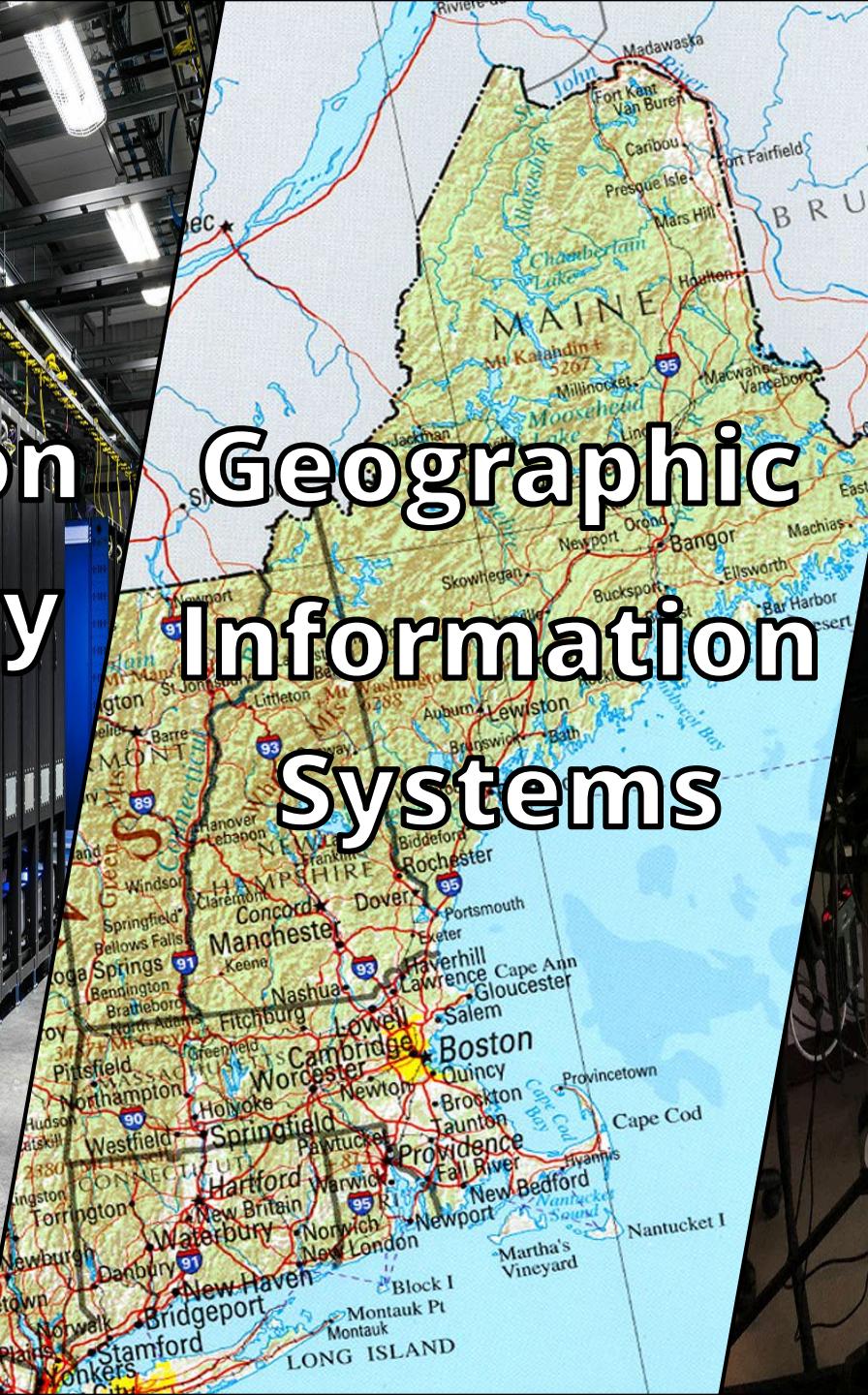
Proposed Budget FY 2024-25

Town Council Budget & CIP Workshop  
Thursday, March 28, 2024

**Brunswick**  
maine



Information  
Technology



Geographic  
Information  
Systems



A photograph of a server room showing a long row of black server racks. The racks are filled with various components and are illuminated from within, with blue light visible through the front panels. The room has a high ceiling with recessed lighting. The text 'Information Technology' is overlaid on the left side of the image.

# Information Technology

## *Responsibilities*

- Network Management
- Systems Administration
- User Support
- Cybersecurity
- Infrastructure Planning and Management
- Disaster Recovery & Business Continuity
- Vendor Management

## ***Ticketing & Work Tracking***

In early 2023, we implemented a townwide ticketing system. As of **March 1st, 2024, we have processed...**

**1298 Tickets**

### **Top Categories**

Hardware	Software	Printing	Permissions	Outlook
167	124	124	60	53

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Technology**





# Information Technology

## *Projects & Initiatives*

- Standardization
  - Device Life Cycle Management & Device Reduction
  - Peripherals
  - Mobile Device Management (MDM)
  - Support Tools
  - Unification of services
- Multi-Factor Authentication
  - Enterprise applications
- Infrastructure Upgrades

## **FY23 Projects in Progress**

- Exchange Online Migration
- Townhall UPS Upgrade
- TLD Change (.org ➔ .gov)

## *Budget Request by Area*

Materials & Supplies \$15,800 2%

Personnel Services \$283,560 35%

Contractual Services \$406,587 50%

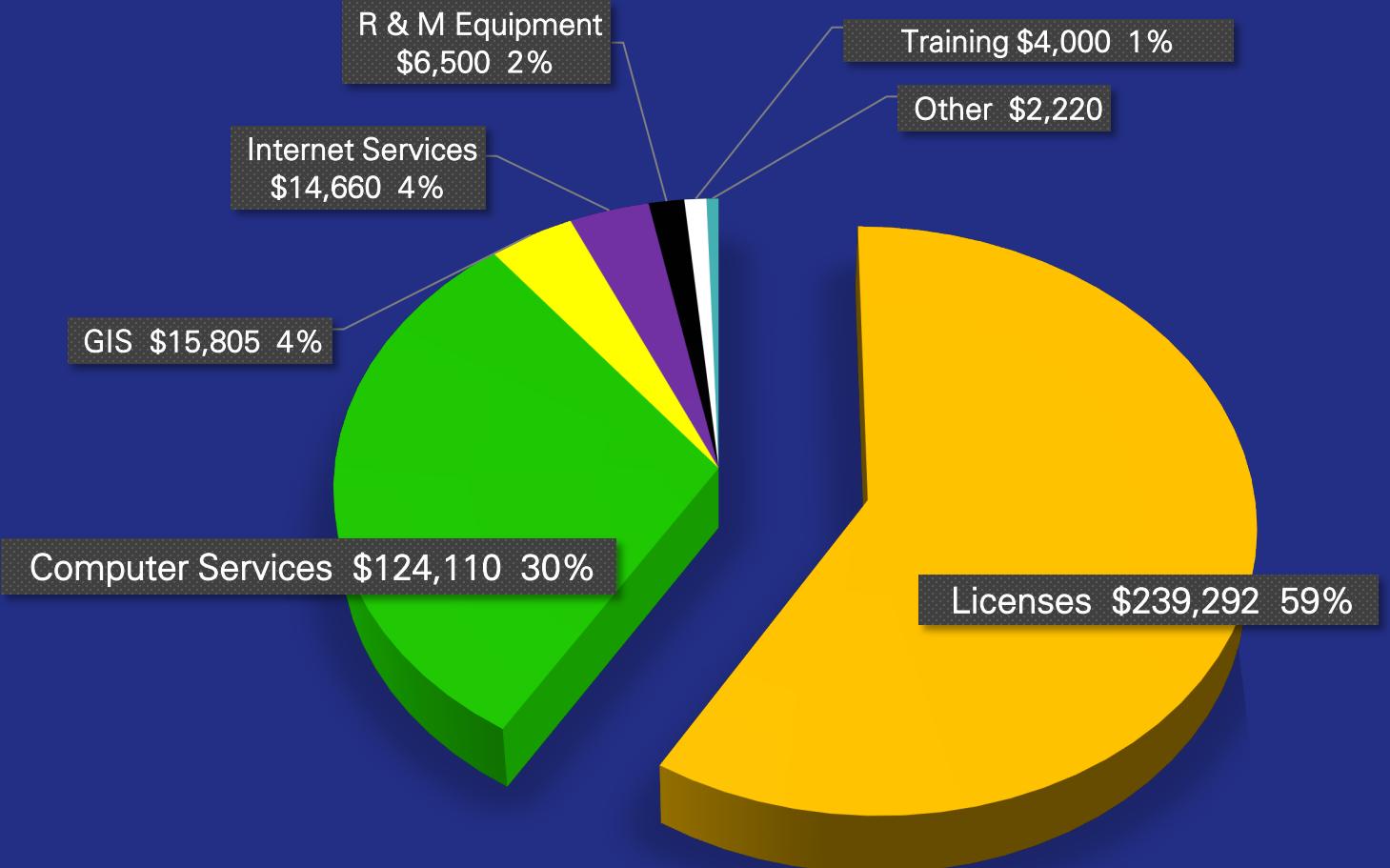
Employee Benefits \$108,599 13%

# Information Technology





## *Budget Request Area - Contractual Services*



## ***Budget Areas - Computer Services***

### **Systems Engineering (SE) Foundations**

- Workstation & Server Patching
- Workstation & Server Antivirus
- Workstation & Server Endpoint Detection & Response (EDR)
- Email Filter
- Monthly Infrastructure Health Checks
- Server Monitoring
- Critical Care

### **SE Misc. Infrastructure Assistance**

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# Information Technology

## *Budget Areas - Licensing*

### Licensing

#### Warranty & Support

- Switches / Routers / Firewalls
- Virtual Infrastructure
- Access Control Hardware

#### Software

- Phone licensing
- Support Services
- ERP
- Microsoft 365
- Civic (Website)

#### Largest Expenses

- Tyler Munis (ERP) - \$90,670
- Microsoft 365 (MS Office Suite) - \$53,624

## *Upcoming CIP Projects*

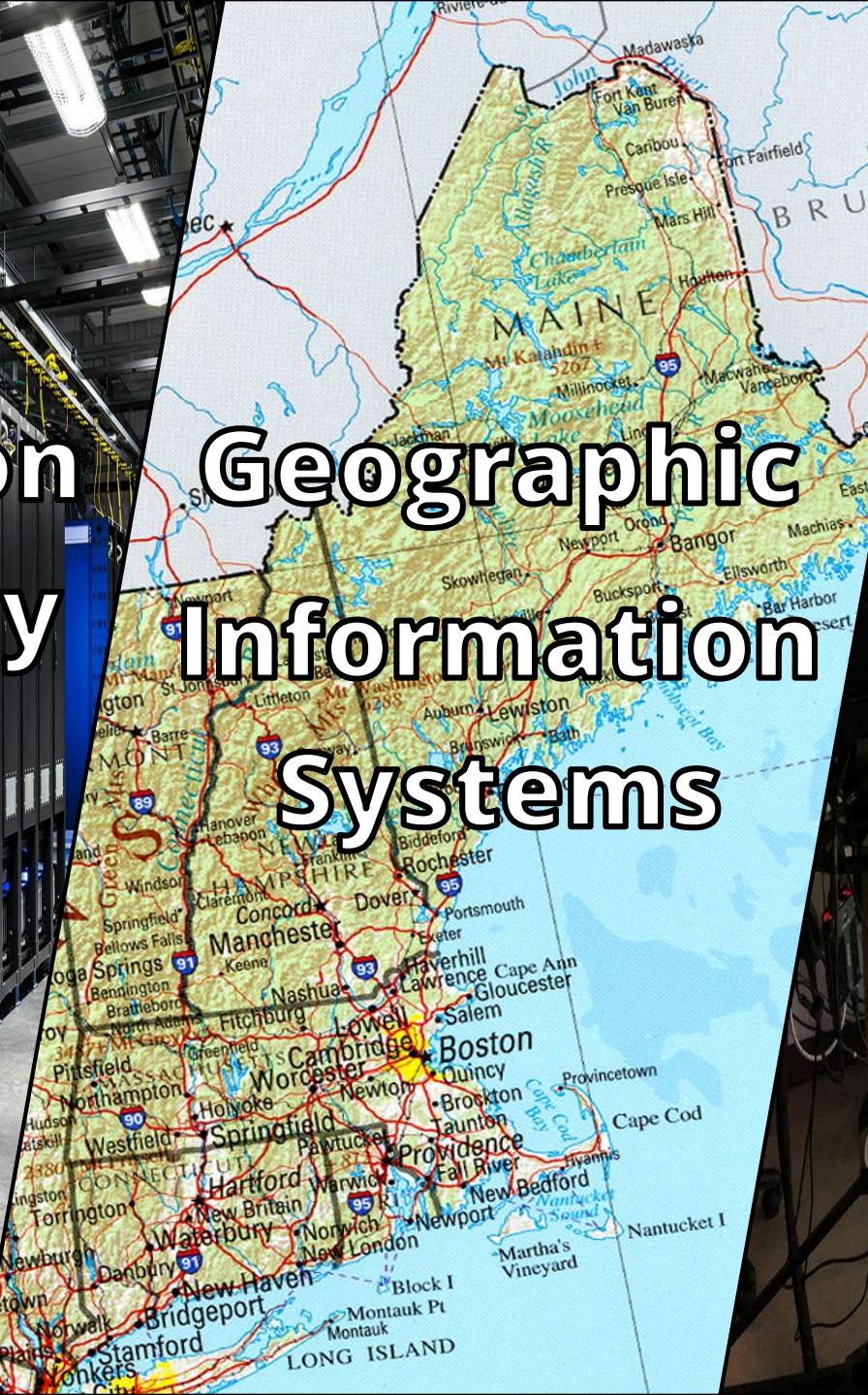
- UPS for Police Department Data Center
- Conferencing in Townhall 206
- Camera Install at Mere Point Boat Launch
- Network Video Recorder (PD & TH)
- Tablets for Fire Department Vehicles
- Tightrope Stack Refresh

# Information Technology



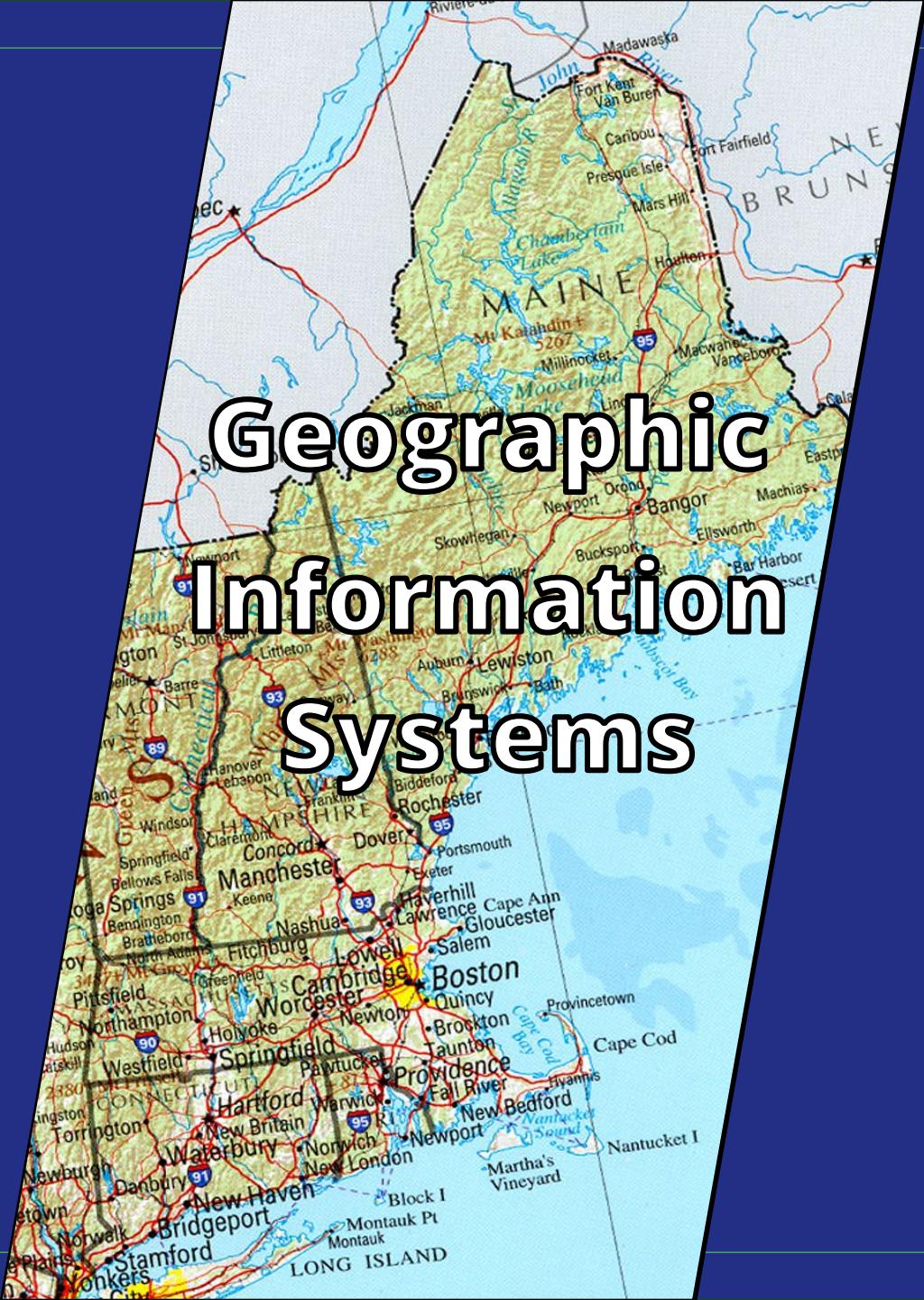


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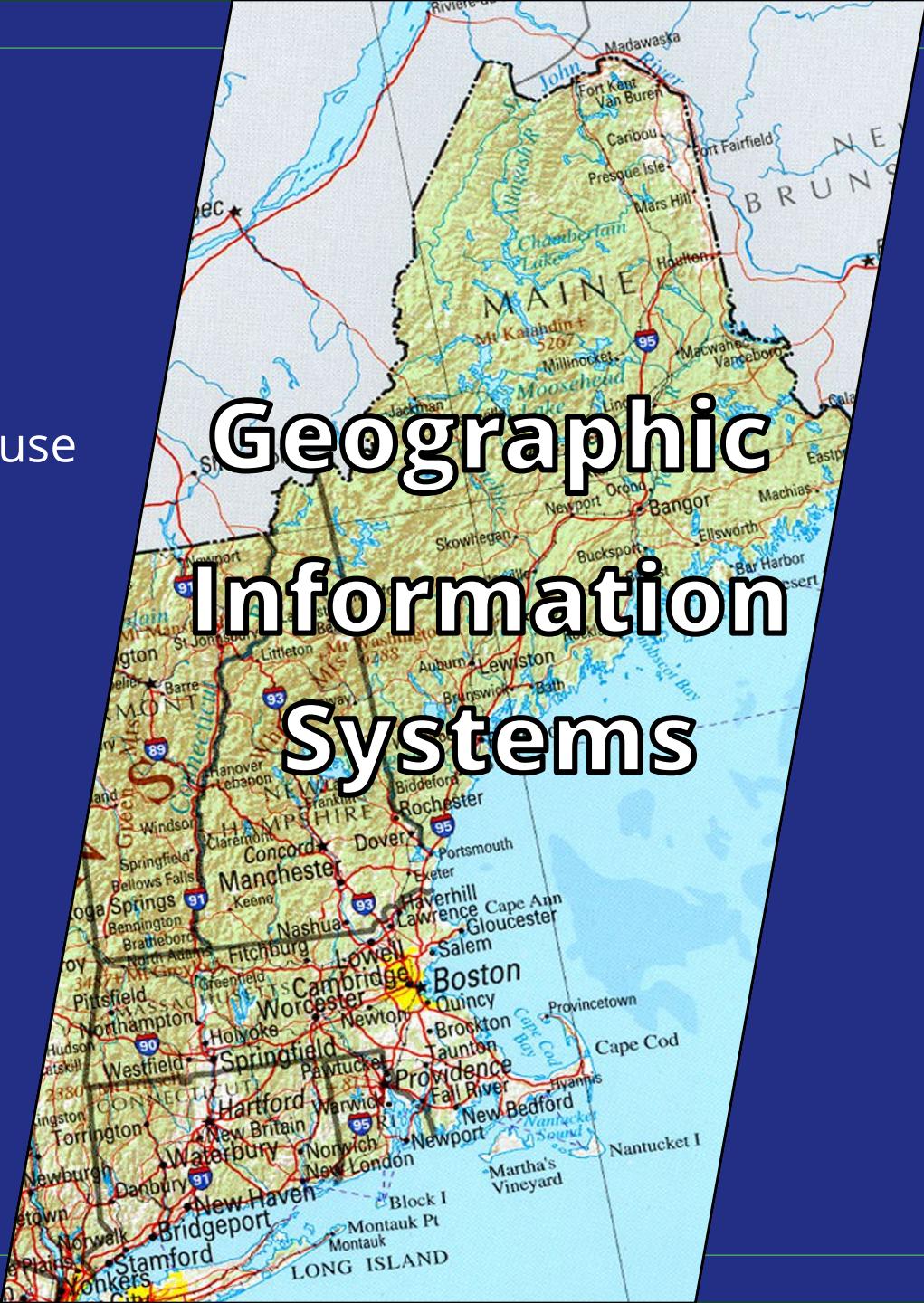


## *Responsibilities*

- System Administration
- Data Management
- User Support
- Customization & Development
- Data QA
- Integration w/ Existing Apps

## Projects & Initiatives

- New Public Facing GIS Website
- Consolidation of GIS Services / Services Brought In-House
- DPW Work Order System
- App Development for Departments
- App Development for Committees

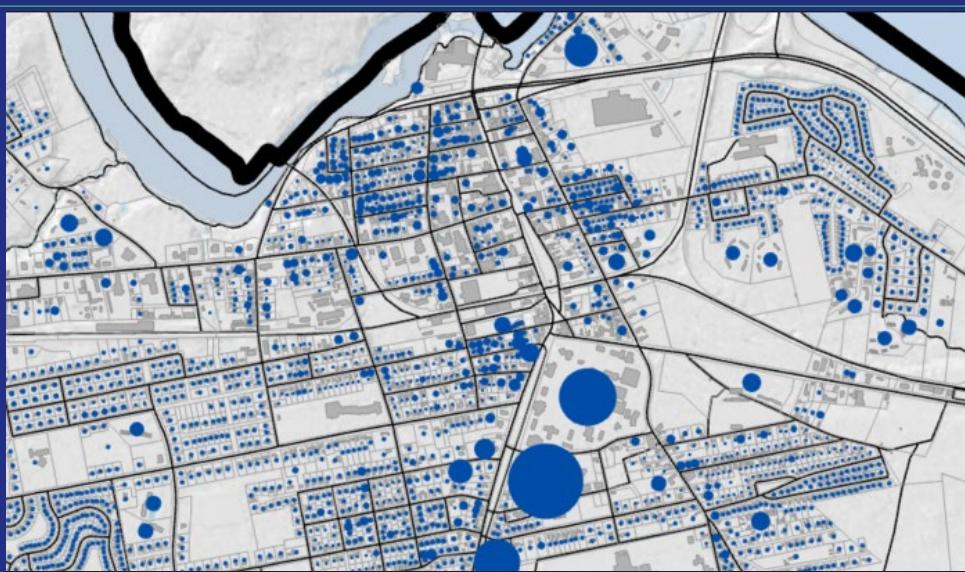




```

59         rowCount += 1
60
61 #create parcel geom dictionary from base parcel feature class
62 parcelGeom = {}
63 parcelGeomList = []
64 caidumpList = []
65 with arcpy.da.SearchCursor(geomfc,['SHAPE@','Maplot','EditYear','Type','GIS_Acres','AVPID','Shape
66 for row in cursor:
67     #print(str(row))
68     parcelGeom[str(row[1]).strip()] = [row[0],row[2],row[3],row[4],row[5],row[6],row[7],row[8
69     parcelGeomList.append(str(row[1]).strip())
70
71 #Create full data parcels by fetching geometry from geometry dicts for every entry in the vision
72 noGeomIDs = []
73 with arcpy.da.SearchCursor(visiondumpTable,vtfield_names) as cursor:
74     count = 0
75     noGeomCount = 0
76     with arcpy.da.InsertCursor(parcelFC,vfcField_names) as iCursor:
77         for row in cursor:
78             GIS_ID = str(row[vtfield_names.index('REM_GIS_ID')]).strip()
79             caidumpList.append(GIS_ID)
80             if GIS_ID in parcelGeom:
81                 geom = parcelGeom[GIS_ID][0]
82                 if geom is not None:
83                     iRow = row + tuple([None,None])
84                     iCursor.insertRow(iRow)
85                     count += 1
86                 else:
87                     noGeomCount += 1
88                     #print('No geom GIS ID : ' + str(GIS_ID))
89                     noGeomIDs.append(str(GIS_ID))
90             else:
91                 noGeomCount += 1

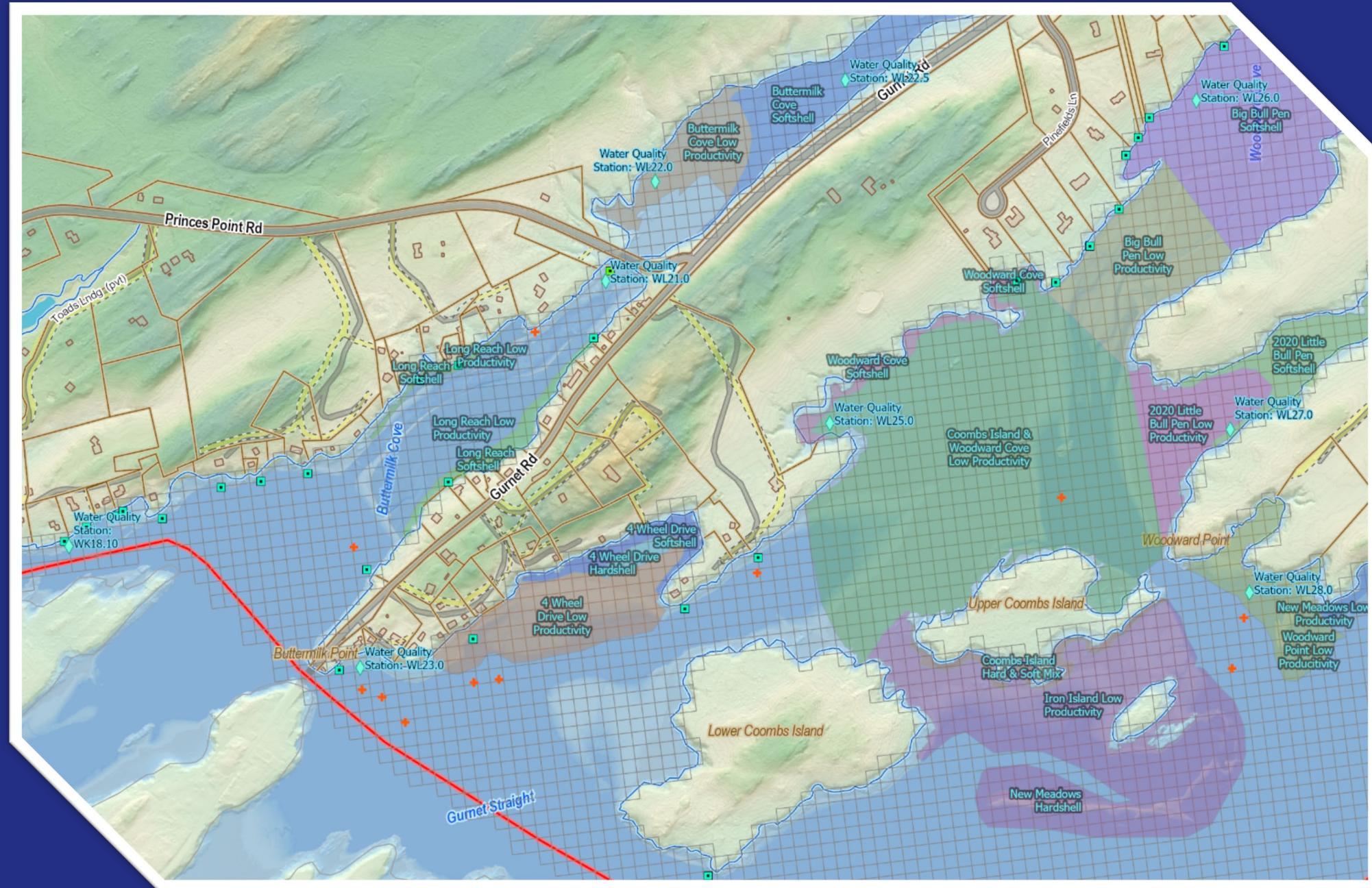
```

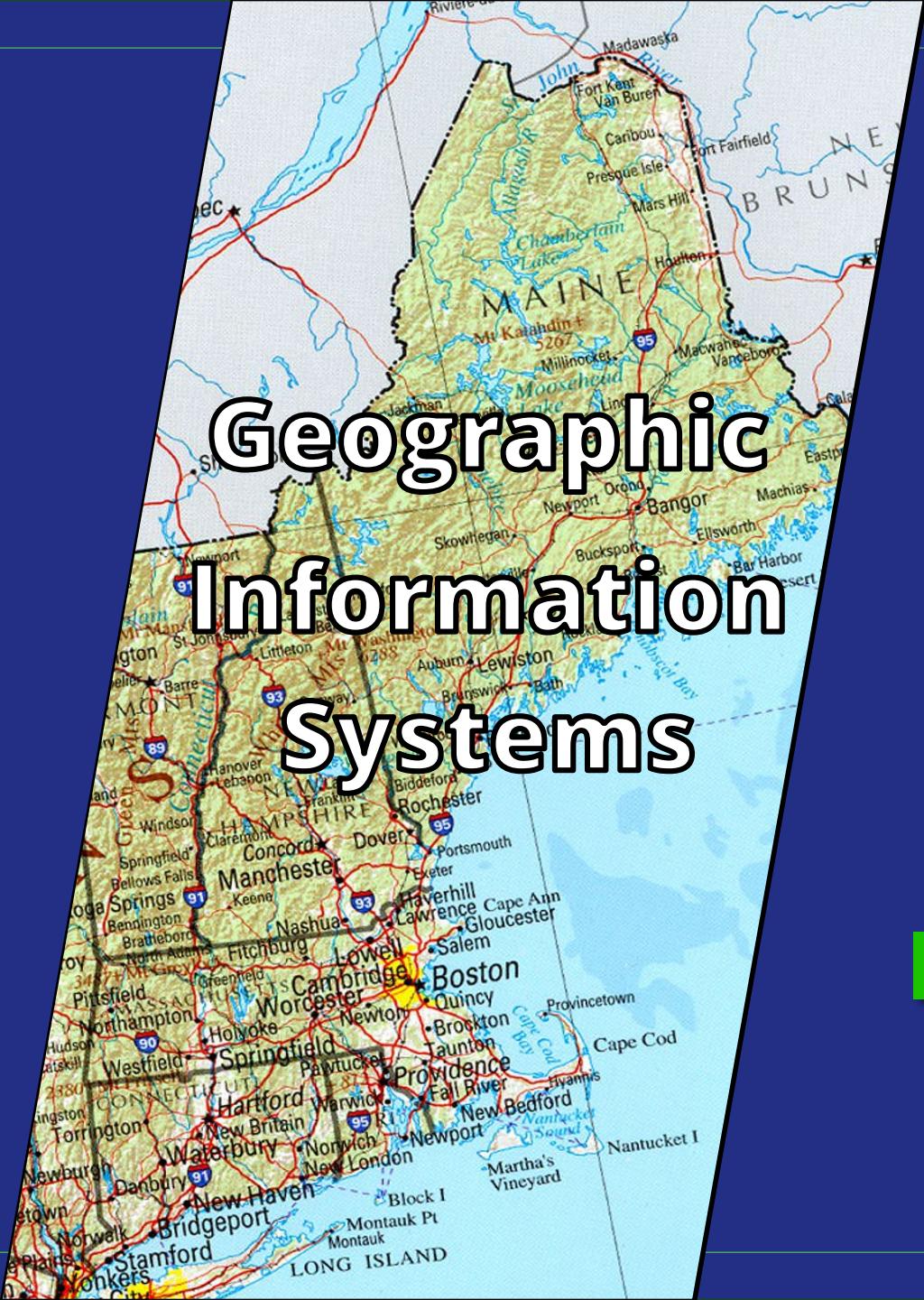


```

20     with arcpy.da.UpdateCursor(parcelFC,parcelFields) as cursor:
21
22         for row in cursor:
23             if row[parcelFields.index('LND_USE_DESC')] in residential:
24                 #print(str(row[parcelFields.index('LND_USE_DESC')]))
25                 row[parcelFields.index('residential_sw')] = 1
26             if row[parcelFields.index('LND_USE_DESC')] in bcn_pop.dwellFactors:
27                 # assigns people to land use types, i.e. a duplex is 6 people etc
28                 row[parcelFields.index('pop_guess')] = bcn_pop.dwellFactors[row[parcelFields
29                 pop_guess_dict[row[parcelFields.index('REM_PID')]]] = [bcn_pop.dwellFactors[
30             else:
31                 row[parcelFields.index('pop_guess')] = 1
32                 pop_guess_dict[row[parcelFields.index('REM_PID')]] = [2,row[parcelFields.i
33
34             if row[parcelFields.index('LND_USE_DESC2')] in residential: #sometimes a mixed
35                 # residential part in the second land use code field
36                 row[parcelFields.index('residential_sw')] = 1
37             if row[parcelFields.index('LND_USE_DESC2')] in bcn_pop.dwellFactors:
38                 #print(str(row[parcelFields.index('LND_USE_DESC2')]))
39                 row[parcelFields.index('pop_guess')] = bcn_pop.dwellFactors[row[parcelFields
40                 pop_guess_dict[row[parcelFields.index('REM_PID')]]] = [bcn_pop.dwellFacto
41             else:
42                 row[parcelFields.index('pop_guess')] = 0
43                 pop_guess_dict[row[parcelFields.index('REM_PID')]] = [0,row[parcelFields.i
44
45             if row[parcelFields.index('pop_override')] > 0: #The pop_override field allows use
46                 # model what pop value to use for the parcel. if this is used, the pop adjustme
47                 # should be also adjusted by the same amount
48                 row[parcelFields.index('residential_sw')] = 1
49                 row[parcelFields.index('pop_guess')] = row[parcelFields.index('pop_override')]
50                 pop_guess_dict[row[parcelFields.index('REM_PID')]] = [row[parcelFields.index('p
51
52             cursor.updateRow(row)
53
54
55
56

```





## GIS Budget Request



Other Contractual Services 390,782 96%

# GIS Budget Request Breakdown

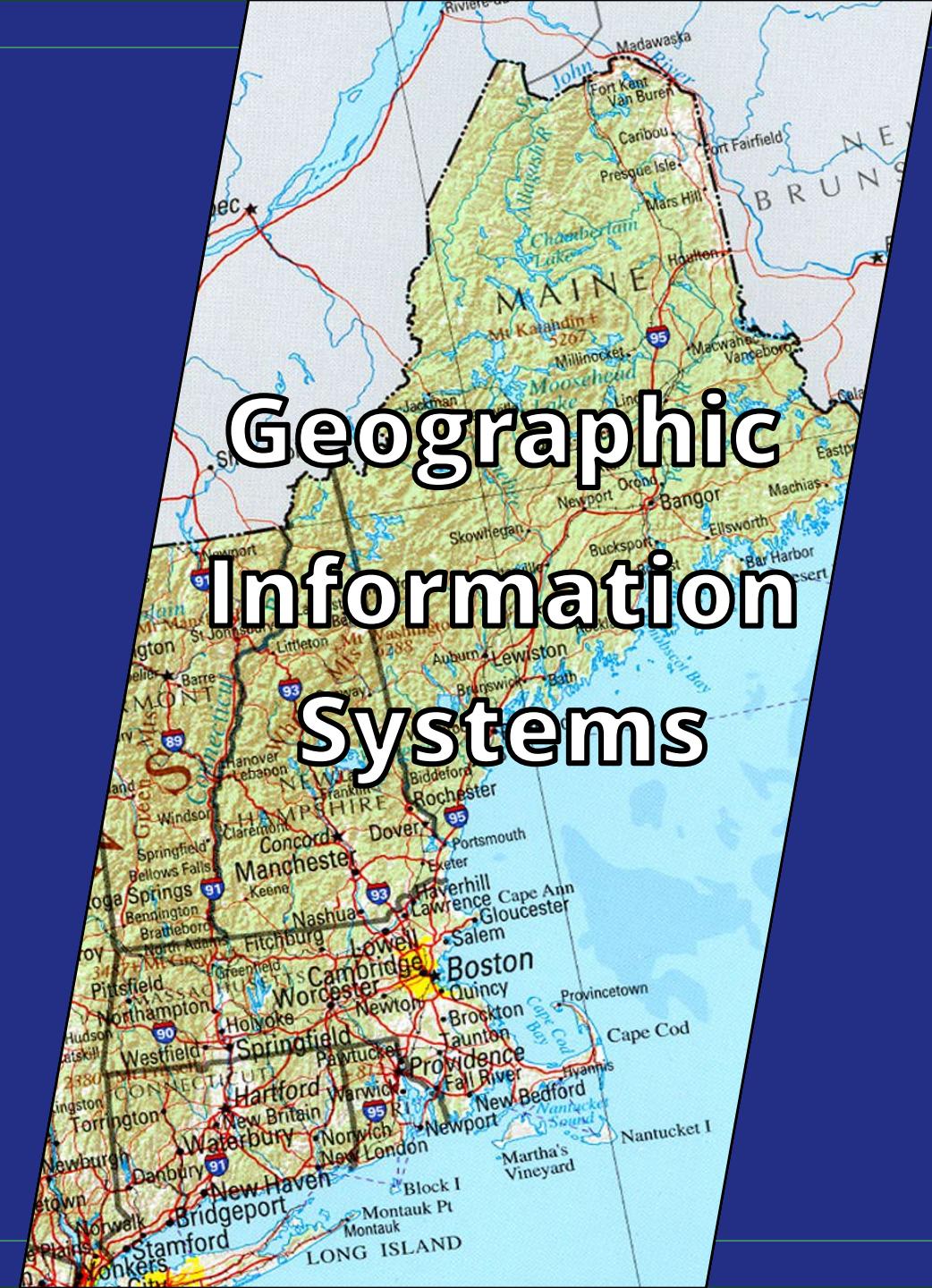
## Esri Credits

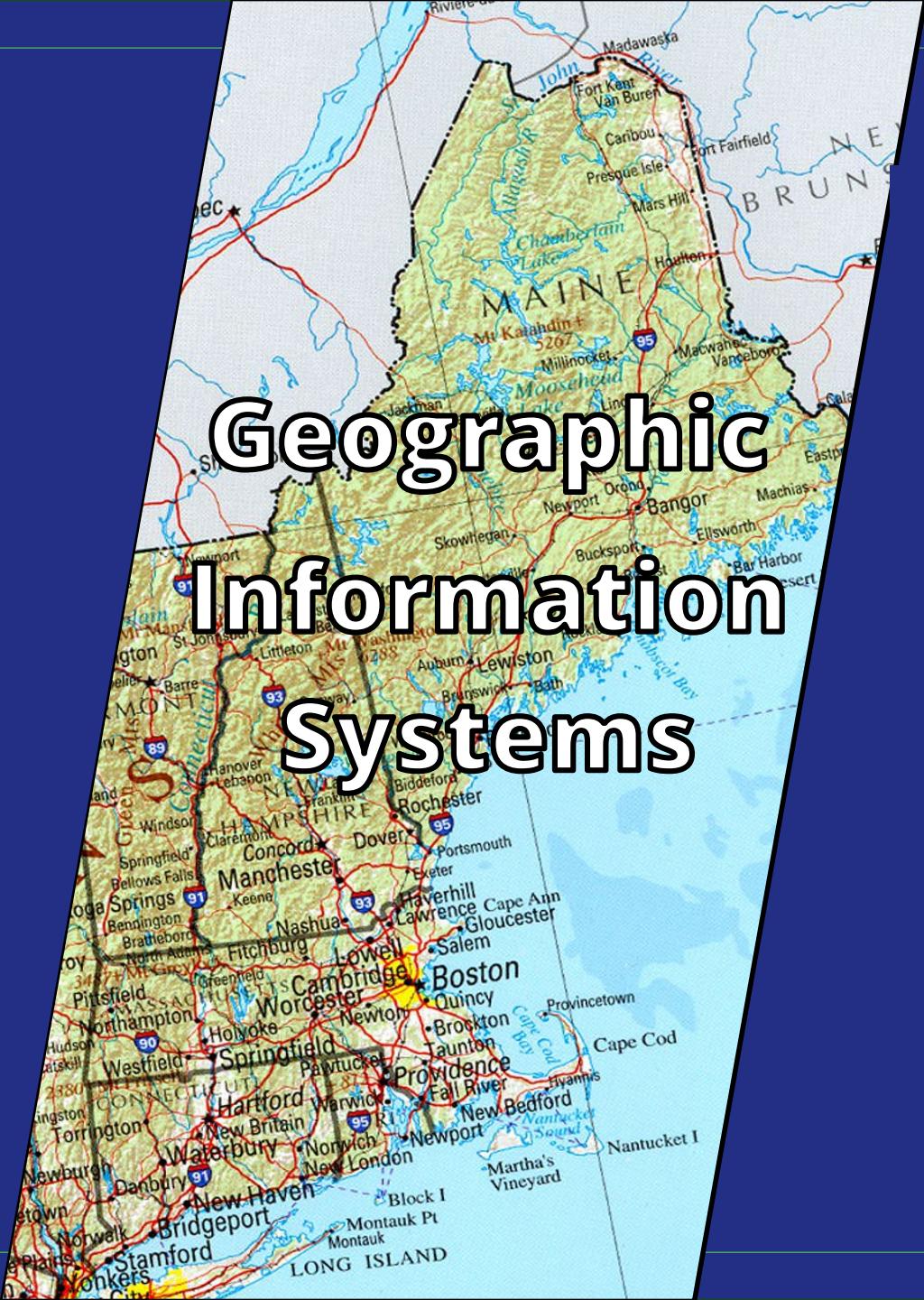
- Feature Storage
- Hosted Imagery
- Offline Maps / Misc. Files

## Esri Licensing

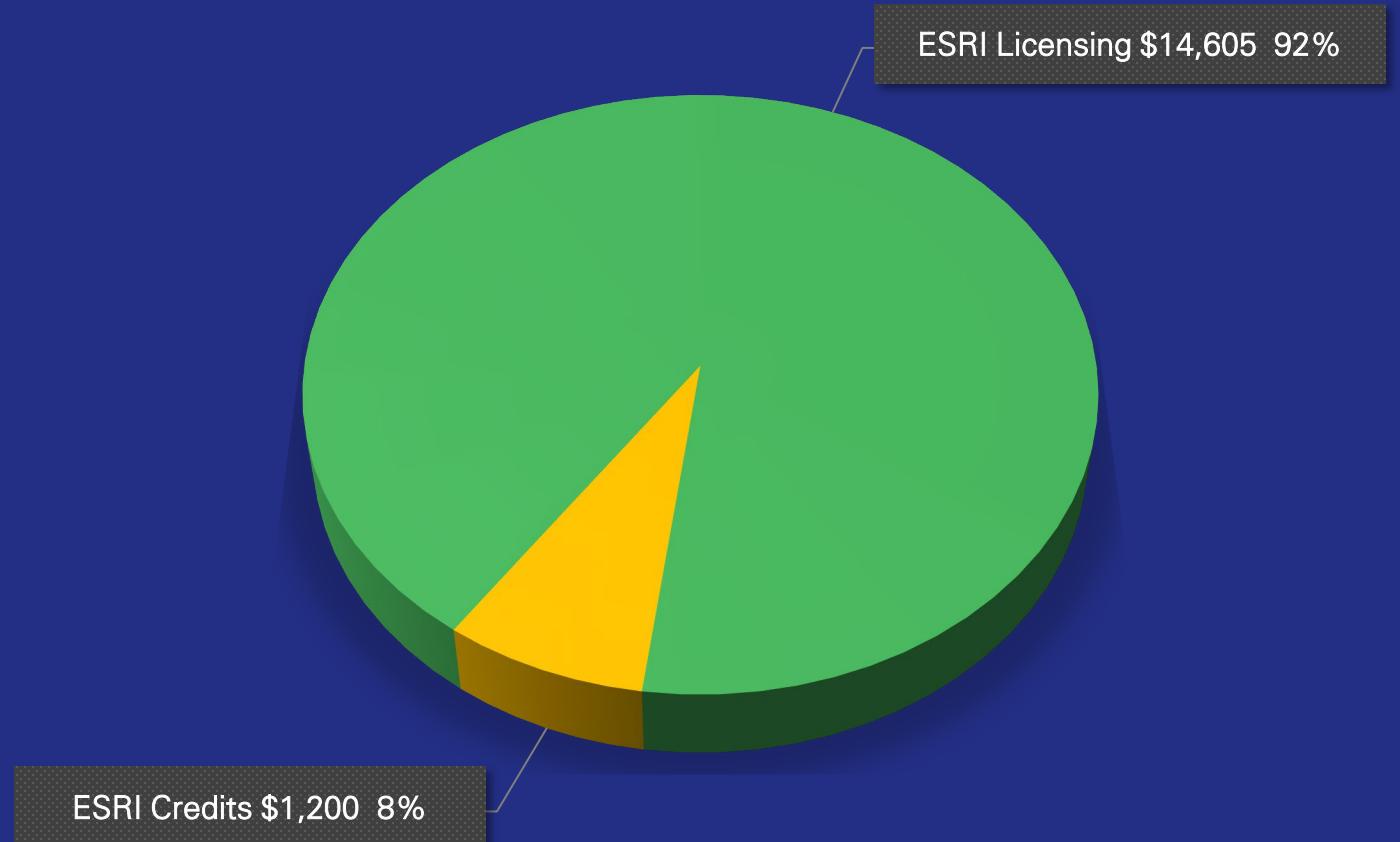
- ArcGIS Desktop Basic / Standard
- ArcGIS Business Analyst
- ArcGIS Mobile Worker
- ArcGIS Online Creator / Pro
- ArcGIS Spatial Analyst
- ArcGIS Editor

# Geographic Information Systems



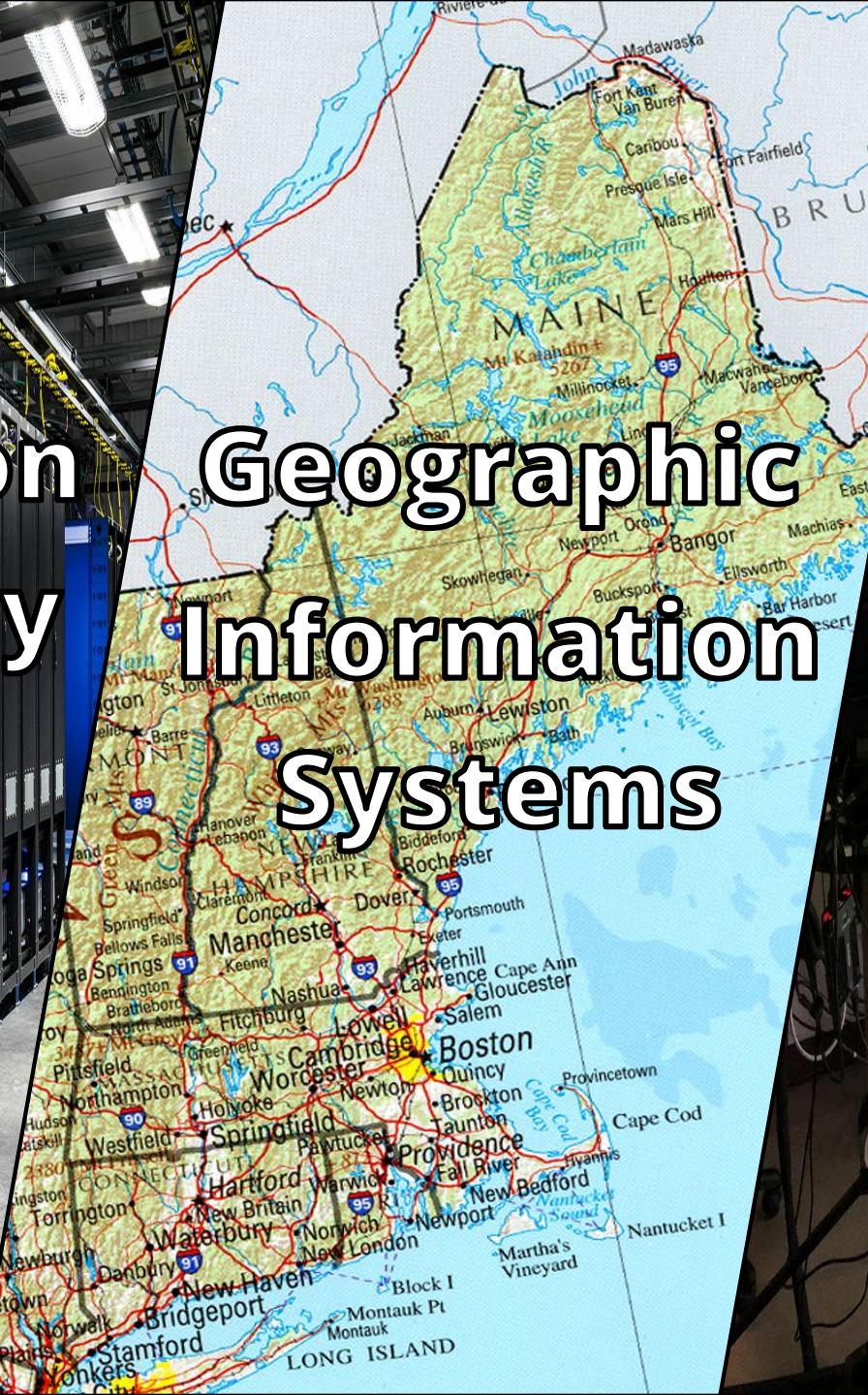


## *GIS Budget Request Breakdown*





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## *Responsibilities*

- Operation of Town Cable Casting System
- Equipment Maintenance & Upkeep
- Meeting Production & Operations
- Town-Interest Story Production

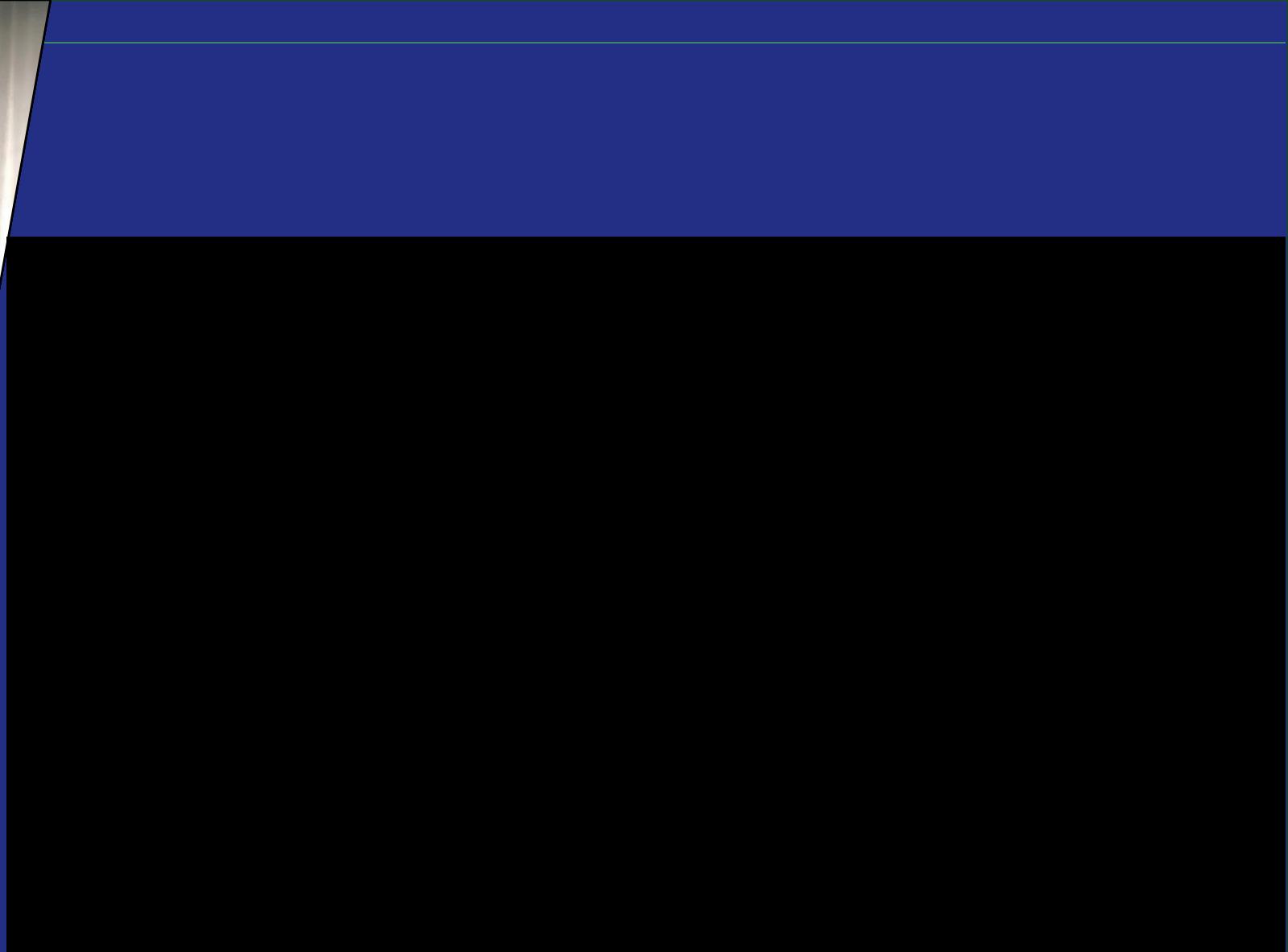


## Projects & Initiatives

- 163 TV3 Shorts Produced
- Full Length Shows
  - Curtis Library Events
  - Parades
  - Town Presentations
- New Mainer Videos
- Expansion into Social Media
  - YouTube
    - Brunswick Fire Department EMS – 1,598 Views
    - Brunswick PD Cruiser Ride Along – 867 Views
    - Civil Air Patrol Meets Sea Cadets – 744 Views

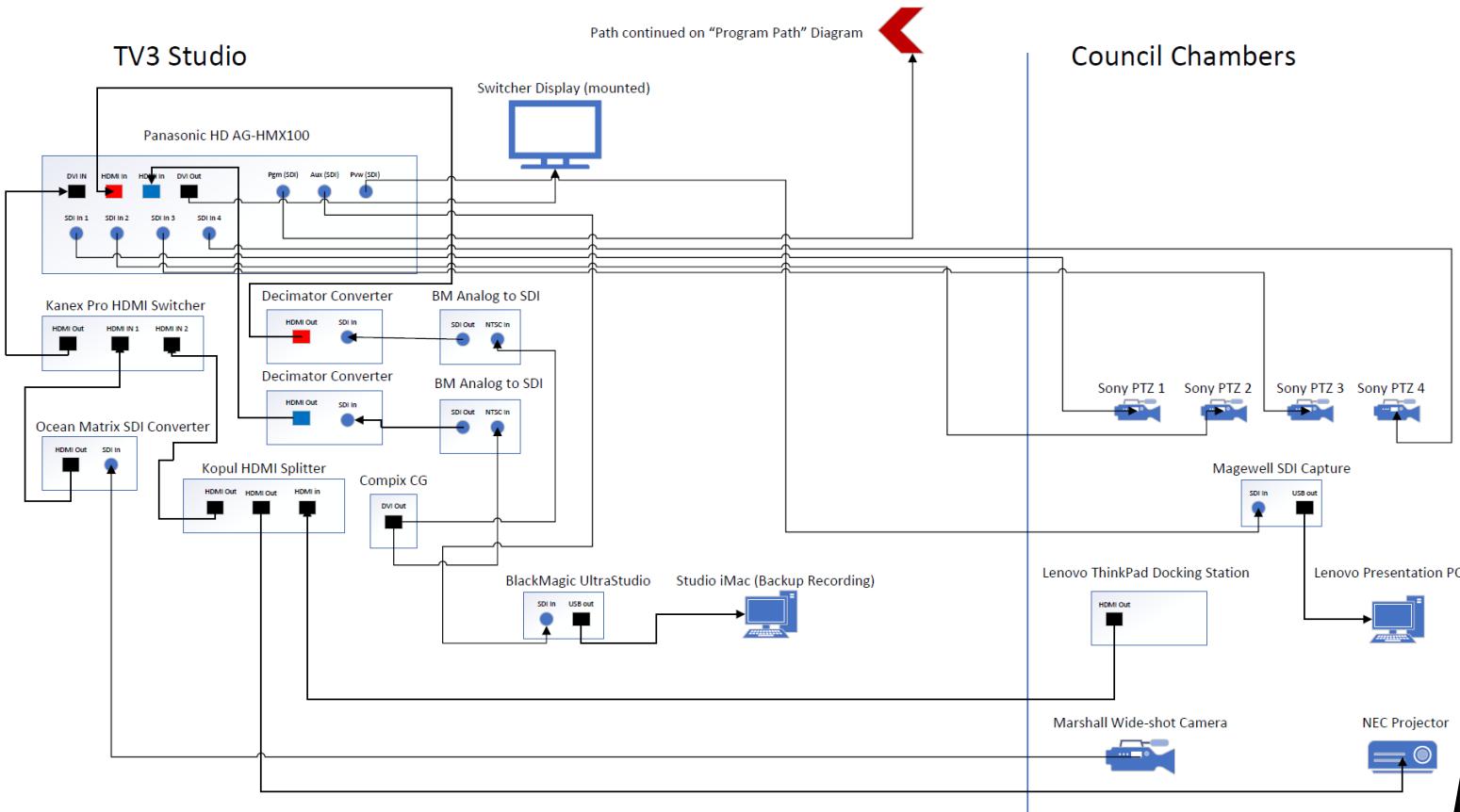


TV3



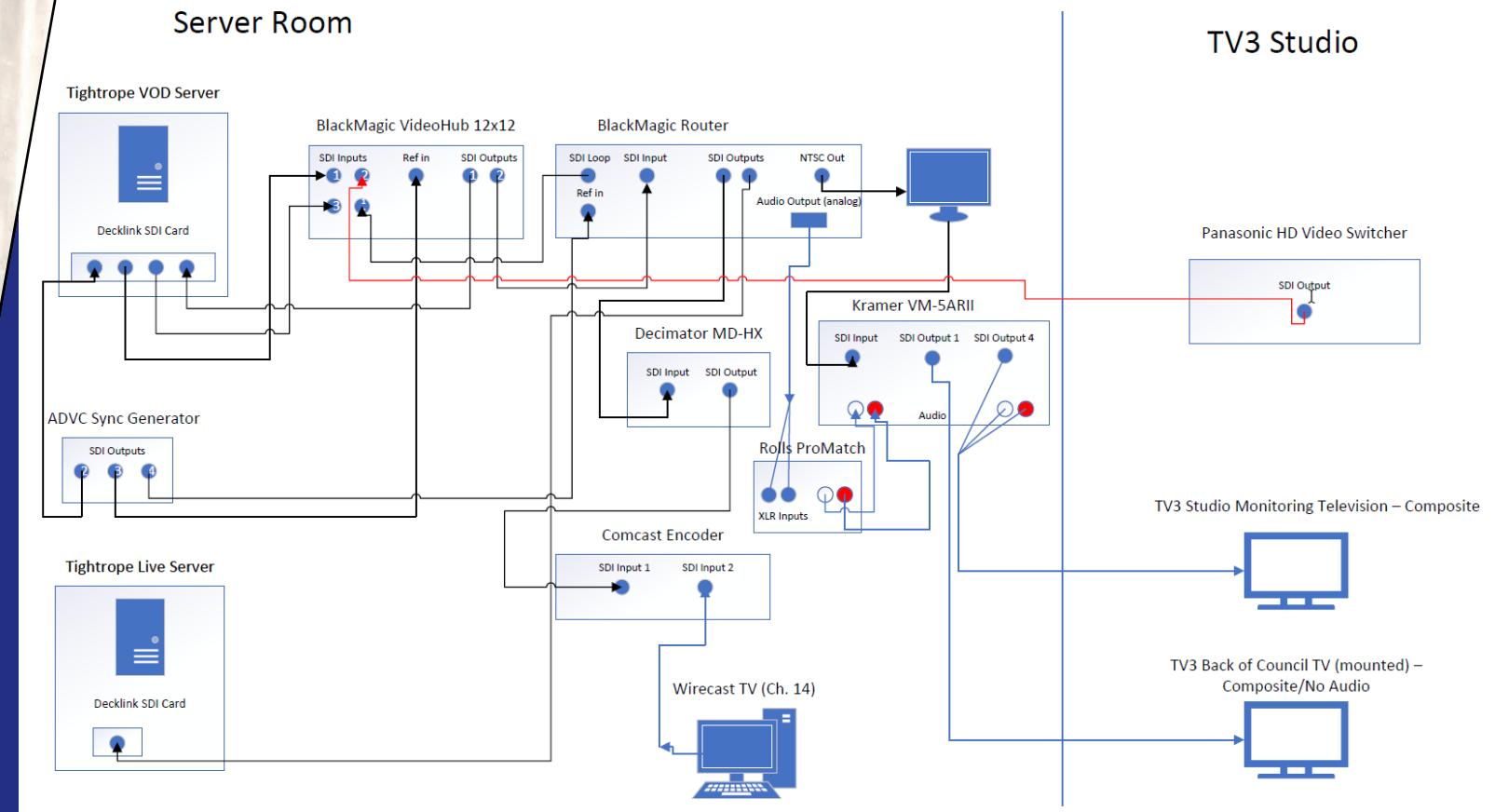
# Responsibilities - Video Path

## Brunswick TV3 Studio – Video

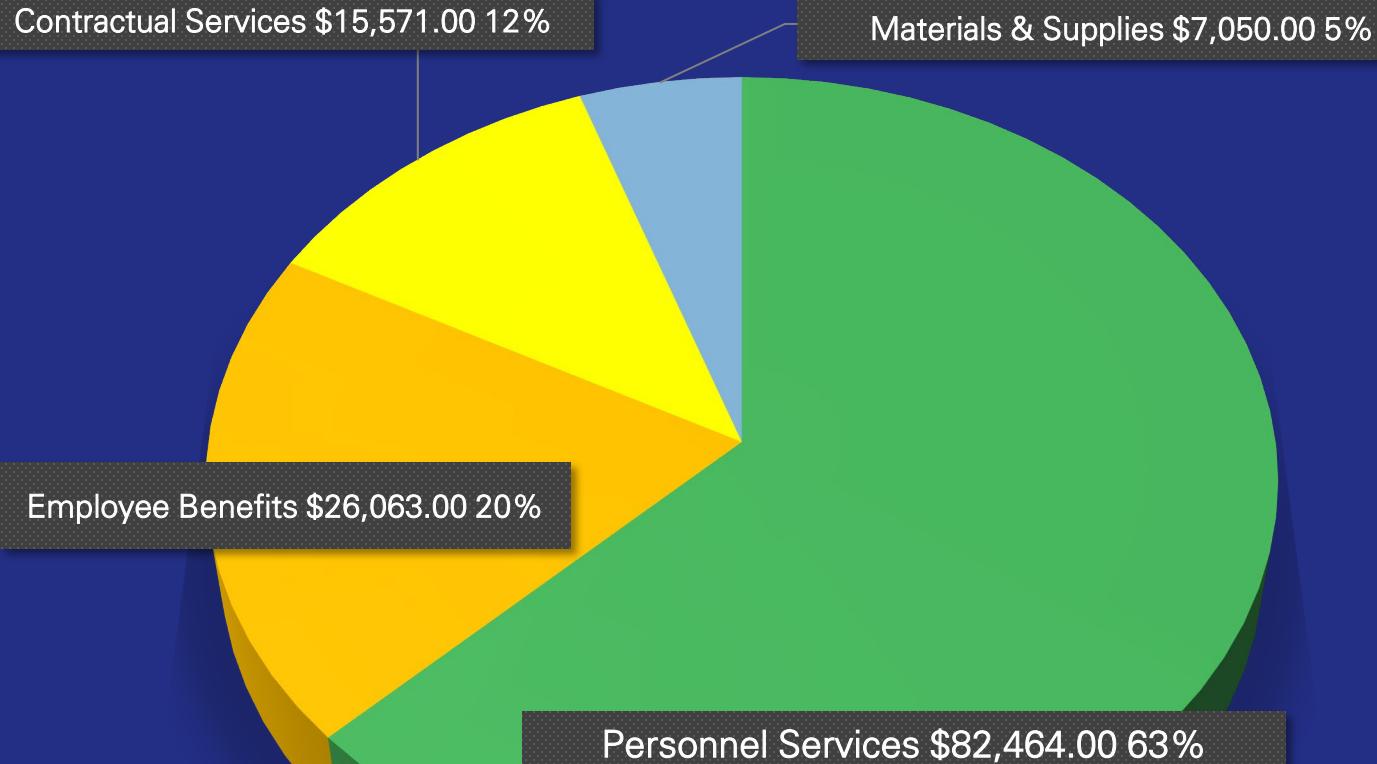


# Responsibilities - Program Path

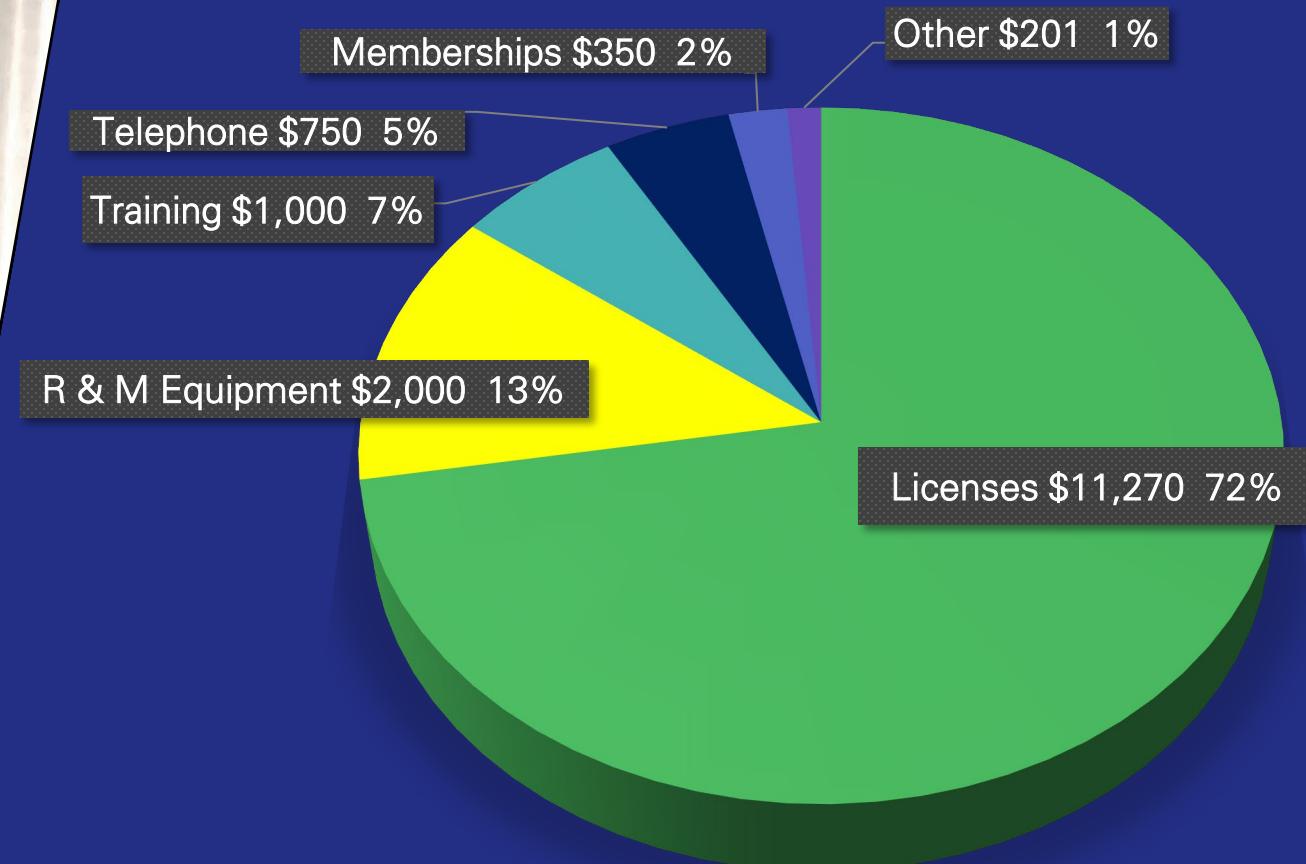
## Brunswick TV3 Program Path



# Budget Areas

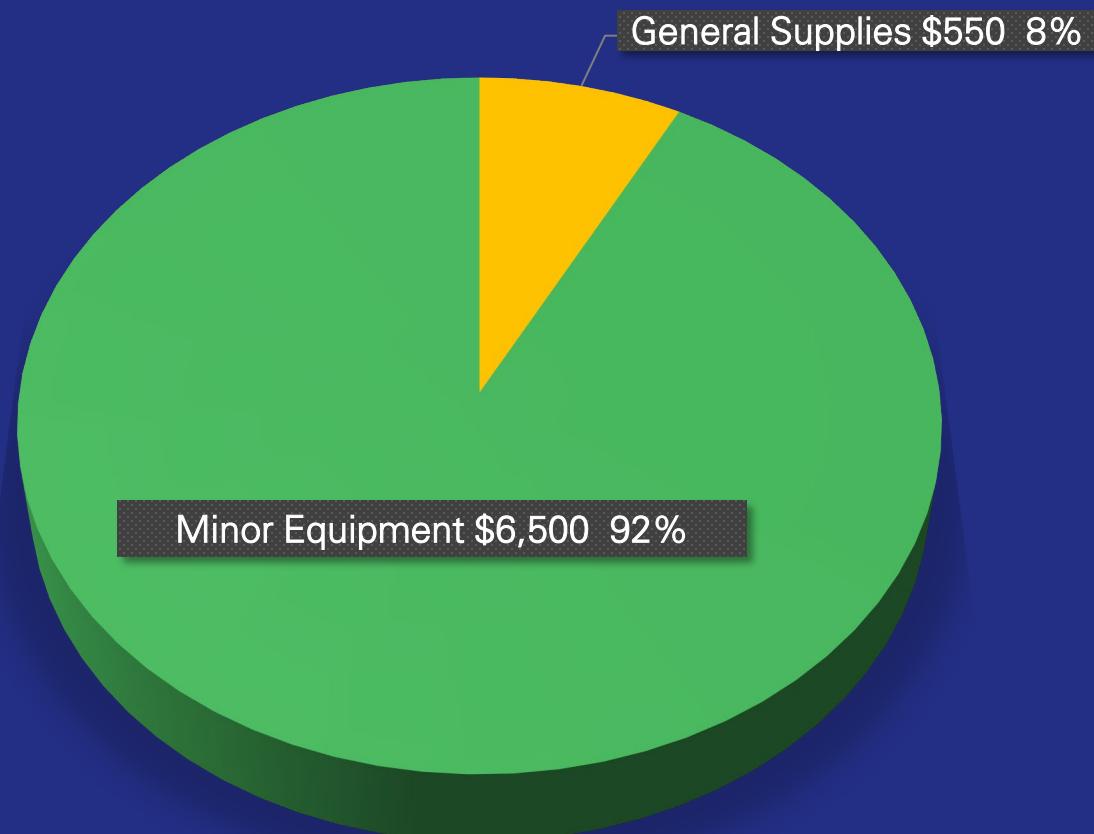


## *Budget Areas - Contractual Services*



Live Stream Software - \$3000

## *Budget Areas - Materials & Supplies*



New Network Area Storage (NAS) - \$4000



**Thank you!**

**Questions?**