Building and maintaining flexible, focused GIS apps

John Nerge, GISP
City of Brooklyn Park
Minnesota, USA
23 July 2015
This is not an app demo
Brooklyn Park

68 square km
26 square mi
78,000 people
~ 400 staff
10 GIS users
GIS at Brooklyn Park
ArcGIS Online apps
20+

Internal apps
11

ArcGIS Online site
100+ layers

ArcGIS for Desktop
ArcGIS for Server
ArcGIS Online

External public apps
2

External third party apps
3

ArcGIS Open Data (under review)
What’s our secret ingredient?
Spatial views
Automating maintenance

- Process new data
- Append new data
- Delete old data
- Repeat
Zero maintenance

- No output while automating
- No time once automated
- The endless march of manual maintenance

Output (data)

Time (work hours)

ROI
Application design

Configure

I’m cutting edge!

Customize

Mine’s cooler.

COTS solution!

Oh no, there’s a new API!
Gather requirements
Build the app
Test with users
Polish and deploy the app
Maintenance mode
We can rebuild them (but don’t)

but learn from them!
Putting it all together

7425 Dupont Ave N
Monroe Neighborhood

Learn more about city neighborhoods

Property Info
ZIP Code: 55444
Zoning Code: R3
More info about this property
School District: Anoka Hennepin 11-5
More info about area schools
Find youth programs and activities

Connect with your neighbors on Nextdoor

Amenities
4 nearby Brooklyn Park parks
2 nearby Brooklyn Park restaurants
Brooklyn Park Library
Community Activity Center
Zanewood Recreation Center
Find nearby transit

Local Elections
Polling Place: Vertical Life Church
District/Precinct: East 1-A
Mayo: Jeff Lunde
City Council: Peter Crema
Terry Parks
County Commissioner: District 1 - Mike Opat
Register online to vote

State & Federal Elections
MN Governor: Mark Dayton
MN Senator: District 40 - Chris Eaton
MN House: District 40B - Debra Hilstrom
US Senator: Amy Klobuchar
US House: District 03 - Erik Paulsen
More info about elections

Utilities
Utility Bills: February, May, August, November
Recycling: Every other week on Thursday
Bulky Waste: Next collection in 2017
Find a garbage hauler
Natural Gas: Centerpoint Energy
Electricity: Xcel Energy
Call 811 before you dig - Gopher State One
More info about utilities

Public Safety
Fire Station: East Fire Station
Police Station: North Precinct
COPS Officer: Mami Elias
Crime Prevention: Gerry Gibbs
Code Enforcement: Michelle Peterson
View crime map
Sign up for police alerts
More info about public safety

City Hall
5200 86th Ave N
Brooklyn Park, MN 55443
763-424-8000
www.brooklynpark.org

City assessor photo from 5/2015 (view on Zillow)

This report is for general reference only. It is not for legal, engineering, or surveying use. Please contact the sources of the information if you desire more info. This report was created on 6/30/2015 - www.brooklynpark.org/neighborhoods
### Beyond GIS

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Thank you

John Nerge

john.nerge@brooklynpark.org

www.brooklynpark.org/maps