

This spreadsheet contains the Regional Data Center's roadmap developed at the March 2017 Property and Housing Data User Group Meeting. It includes updates from the January 2018 meeting, too

On this spreadsheet, you'll find separate tabs for tools, user guide entries, an idea wall, data wish list, and activities being planned by the Regional Data Center. We also included results from a card sorting activity we held at the event.

We welcome you to add your ideas to our lists. We'll also use these lists to enable you to track our progress

Let us know if you have questions or comments at wprdc@pitt.edu

The meeting presentation can be found at

https://docs.google.com/presentation/d/1_AiPuyZDmu4RY3O2k_kcMqYrll8mNylF1MocSvt_R2QnedlTuspcwsharing

Here are ideas generated as part of the pass-around activity from the January 2018 meeting

Enhancing affordability and expanding opportunity

Look at where rents are rising, and try to retain affordability
Keep a list of property in legal limbo after receiving no bids in a tax sale
Track evictions and potential evictions
Track where subsidies are expiring
Build an "Equity Atlas" for the Pittsburgh region
What kind of tech/data needs to be funded to expand opportunity?
When looking at opportunity, consider: transit access/frequency, neighborhood assets, food access, employment access/growth, capital investments, political donations, environmental issues (stormwater).
Use HUD's "Communities of Opportunity" data

Addressing Blight and Vacancy

Monitor maintenance of vacant property
Track utility shut-offs, evictions, and indicators of abandonment
Track LIHEAP/CAP low income energy assistance applications
Track property owners with code violations across multiple corporate entities and make sure this information is accessible across magisterial district courts
Track properties that cycle through treasurer's and sheriff's sale
Put vacant properties into the hands of people in need of affordable housing - possibly through a tool to help with housing search process.
Develop a predictive model of blight and vacancy
Look at permit data and other signs of investment
Use data for land banking
Track Low Income Tax Credits, New Markets Tax Credit, Federal/State Awards
Look at crime data

Preventing Displacement

Capture qualitative stories from current tenants
Monitor real estate development (gentrification), including building permits, rents, and sales prices
Track affordable housing expiration dates
Monitor foreclosure and eviction activity - look at property owner/manager behavior
Workforce development - what type of training is needed & how can employers plug-in
Monitor housing units at risk of losing subsidy/income restriction
Know who wants to stay and who wants to move
Look at formerly incarcerated
Assess resident case management needs re. Housing
Connect a property owner to home repair services before owner sells/abandons home due to maintenance cost

Analyzing Community Conditions/Planning

Track quality of life complaints in relation to resident stability to demonstrate value of homeownership
Monitor over-occupancy
Monitor vacant property maintenance, utility shutoffs
Code violations by property owner
More-easily decipher property use and condition in the assessment data
Better-understand likelihood of needing human services
Link property data to data on socioeconomic status in the American Community Survey
Explore municipal/school property tax delinquency outside the City
Technical assistance to data users - help them find and make sense of data on their own.
Provide library of comprehensive plans and zoning maps/ordinances
Explore transit access
Create catalog or list of who in the community has completed a recent property condition survey

Improve Health, Safety, and the Environment

Look at health department violations to identify repeat offenders and enforce compliance with codes to improve tenants lives
Look at data related to asthma prevalence (air quality, carpeting, traffic congestion, etc)
Explore housing age especially in multi-unit property
Connect data on women receiving prenatal care to housing data and lead education/remediation services
Comprehensive data on sidewalk conditions needed
Vacancy data
Look at County criminal justice data - new task force
Look at properties with lead water lines and also where lead abatements have occurred.
Look at data on chronic disease
Explore traffic crash and congestion
Stormwater runoff risk
Proximity to greenspace
Look at medically-underserved communities
Explore school district rankings and report cards

Other

Connections to other databases - transit, code enforcement, permits, health, etc.
PA land records - County deeds and mortgages (with owner names)
Crash course in pushing out automated data feeds and maps
City budget to top contracts
Crowd-sourced stories to accompany data (maps with annotations)
Incorporate public transit routes
Show parcels by rent levels in relation to transit (stops, frequency, lines)
Easily see physical survey data with updated property and other data
Magistrate appearances for code violations (LLC, Corporations, etc)
Rental registry data

On this sheet, you can view a listing of our property and housing data wish-list.

Our goal is to support regional priorities around best practices, affordable housing, housing equity, cross-municipal data sharing, and the PA Performance measures. We have added columns to show how our wish list aligns with these goals. Feel free to download columns below our table, or see the "Detailed Request" feature in the open data portal: <https://data.pittsburgh.com/open-data>

| Dataset Name | Description | Source | Notes | Lead Recycling | Affordable housing | Housing Stability | PA Performance Measures | Municipal Collaboration | Other | Status | Status Update Date |
|--|---|--|---|----------------|--------------------|-------------------|-------------------------|-------------------------|-------|---|--------------------|
| Area Median Income | | U.S. HUD | | | | | | | | | 3/15/17 |
| Building permits | | City of Pittsburgh | Working on letter format for this data. | 1 | | | | | | Awaiting approval to publish | 3/15/17 |
| Building permits | | Non-City Municipality | | 1 | | | | | 1 | Changes Borough to get all permit, code violation, and tax delinquency data | 3/15/17 |
| Consolidated Redevelopment Area | | City of Pittsburgh (Planning Commission) | | 1 | | | | | 1 | | 3/15/17 |
| Continued Property | | City of Pittsburgh (PL) | | 1 | | | | | | | 3/15/17 |
| Demolition Permits | Demolition permits | City, other municipality | | | | | | | | | 3/15/17 |
| Demolition (Involuntarily-Forfeited) | Properties that are being liquidated/forfeited due to property tax delinquency or through emergency situation. Permits may be obtained. | City, other municipality | | | | | | | | | 3/15/17 |
| Emergency Calls for Service (EIS) | | Allegheny County | This data set supports various property addresses. We would greatly appreciate it if you could open data to protect privacy. We will work with Allegheny County and Pittsburgh's Community and Planning Department to support this data set. | 1 | | | | | | | 3/15/17 |
| Eviction Filings | | PA Courts | | | | | 1 | | | | 3/15/17 |
| File locations | Location of structure files | Municipal authority, nonprofit | City of Pittsburgh (PL) | 1 | | | | | | | 3/15/17 |
| Green infrastructure investments | | Municipal authority, nonprofit | City of Pittsburgh (PL) | | | | | | | | 3/15/17 |
| Homelessness Emergency Management Assistance Program (ACT) PA Applications | | PAIA | PAIA may be able to obtain IP look history. | | | | 1 | | | | 3/15/17 |
| Housing Choice Voucher use | Track level counts of voucher users | HUD/Housing Authorities | Allegheny County (Economic Development) | | | | 1 | | | | 3/15/17 |
| Market Value Analysis | Track level MVA designations | Allegheny County (Economic Development) | Analysis not yet complete | 1 | | | 1 | | 1 | | 3/15/17 |
| Market Value Analysis | Track level MVA designations | Allegheny County (Economic Development) | Analysis not yet complete | 1 | | | 1 | | 1 | | 3/15/17 |
| Mortgage Foreclosure Act (MFA) notices | | PA Courts Appellate Registry | PA Courts Appellate Registry | | | | 1 | | | | 3/15/17 |
| Mortgage Foreclosure Filings | | PA Courts Appellate Registry | Records the completion | | | | | | | Requested from County Courts | 6/19/17 |
| Priority Neighborhood for Redevelopment | | | We will coordinate efforts with the City of Pittsburgh, Redevelopment Authority and County Department of Public Services. All are working to identify and specific data regarding the housing data set. We will coordinate with the City of Pittsburgh, Redevelopment Authority and County Department of Public Services. All are working to identify and specific data regarding the housing data set. | | | | | | | 1 | 3/15/17 |
| Project-based subsidized housing | Low Income Housing Tax Credit (LIHTC) Projects, etc. | Various | | | | | 1 | | | | 3/15/17 |
| Property Condition Survey | Locally collected survey data | Local Government | | | | | 1 | | | | 3/15/17 |
| Property tax statements | Local Government | City of Pittsburgh | Now available as open data | | | | 1 | | | | 3/15/17 |
| Property Tax Delinquency | | City of Pittsburgh (Method) | Aug. 2017 | | | | 1 | | | Undergoing final review | 3/15/17 |
| Property Tax Delinquency | | Allegheny County (Treasury) | Request County Treasury | | | | 1 | | | | 3/15/17 |
| Property Tax Delinquency | | Allegheny County (Treasury) | Request County Treasury | | | | 1 | | | | 3/15/17 |
| Property used for human habitation | State quality improvements | Allegheny County (HHS) | Intend to publish annually | | | | 1 | | | Waiting for 2016 results | 3/15/17 |
| Publicly owned assets | | Public Housing Authorities | | | | | 1 | | | | 3/15/17 |
| Recognized Community Organizations | | Municipal, County Authority | | | | | 1 | | | | 3/15/17 |
| Share of Sales | | Allegheny County (Share) | Final establishment and improved Feb. 2015. County reports to and Panel ID table in 2017 | | | | 1 | | | Awaiting inclusion of panel ID in data | 3/15/17 |
| Tax Incentive Finance Districts | | Allegheny County | | | | | 1 | | | | 3/15/17 |
| Tax Incentive Finance Districts | | Allegheny County | Will update monthly. Now available as open data | | | | 1 | | | Published 2016-17 update in January | 4/1/17 |
| Tax Incentive Finance Districts | | Allegheny County | Will update monthly. Now available as open data | | | | 1 | | | | 3/15/17 |
| Tax Incentive Finance Districts | | Allegheny County | Will update monthly. Now available as open data | | | | 1 | | | | 3/15/17 |
| Utility disconnections/Winter survey | | Gas/electric companies | | | | | 1 | | | May not be available as open data | 3/15/17 |
| DIH housing providers | | | DIH pulls together data from multiple sources and makes a public data set for use by providers and users alike. Can we explore this list? | | | | 1 | | | | 3/15/17 |
| HUD TRACCS data | | HUD | Property owners submit notices to HUD through TRACCS system. Can we explore for accuracy and validity. Look at potential needs for these data. | | | | 1 | | | DIH wish list | 3/15/17 |
| Does an interest rate change | | Wish Panel Multi-Set | Can we explore for accuracy and validity. Look at potential needs for these data. | | | | 1 | | | DIH wish list | 3/15/17 |

Feel free to add your wish list items here.

| Dataset Name | Description | Source | Notes |
|--------------|-------------|--------|-------|
|--------------|-------------|--------|-------|

At the March 2017 user group meeting, the Regional Data Center unveiled the property and housing data user guide <https://tools.wprdc.org/guides/property/>

User guides are designed to provide context and guidance for data users.

Our plan is to add several new entries each month, and we will use this spreadsheet to keep you informed on our progress

We have included a list of topics in our roadmap below, and welcome your additions.

We also encourage you to share general feedback on the guide (email us at wprdc@pitt.edu).

Note - assessment and 311 detailed user guides are complete and available on the open data portal.

| Topic | Target publication month | Status |
|--|--------------------------|-----------------------------------|
| Property transactions | March, 2017 | Complete |
| Homeownership | March, 2017 | Complete (DASH) |
| Housing age | March, 2017 | Complete (DASH) |
| Tax liens | March, 2017 | in progress - Late (we're sorry!) |
| Property Ownership | TBD | Sunny |
| Property characteristics/condition | TBD | |
| Land Use | TBD | Sunny |
| Vacant Land/buildings | TBD | |
| Tax Delinquency | TBD | |
| Mortgage Foreclosure | TBD | |
| Evictions | TBD | |
| Zoning and planning | TBD | |
| Property valuations/assessed value | TBD | |
| Special Tax Districts/abatements | TBD | |
| Sheriff sales | TBD | |
| Tax abatements | TBD | |
| Master addresses/parcels | TBD | |
| Affordable housing | TBD | |
| Development and investment (including permits) | TBD | |
| Environmental hazards (lead, asbestos, etc) | TBD | |

Add your suggested topics below

Health and Human Environment Inspections(wprdc-county's health)

| | | |
|--|--|--|
| Foreclosures, tax liens, and evictions | | |
| Tax liens | | |
| Tax Delinquency | | |
| Mortgage Foreclosure | | |
| Sheriff Sales | | |
| Evictions | | |

At the meeting, we shared a sneak preview of several tools currently under development.

We will provide status updates here.

| Tool | Description | URL | Developer | ETA | Notes | Current Status | Status Date Updated |
|---|--|---|----------------------|-----------------------|-------|--|---------------------|
| Parcels n'at parcel information extractor 2.0 | This tool allows a user to develop a custom extract from assessment data and other feeds. Several different data formats are supported. | http://tools.wprdc.org/barcels-n-at/ | Regional Data Center | Beta launched 3/16/17 | | Live in beta form | 3/17/17 |
| Parcel Dashboard | The parcel dashboard will integrate many different data feeds for one property. By clicking or searching on a property, you can see lots of data in one place, including assessment, tax liens, code violations, sales history, etc. | http://tools.wprdc.org/property-dashboard/ | Regional Data Center | Beta Launched 3/23/17 | | Live in beta form | 3/23/17 |
| Property survey tool | We are working with GTECH, Loveland Technologies, and other partners to make hand-held tools available for conducting physical surveys in neighborhoods. We will also be pilot-testing training materials and data collection methods. | | Regional Data Center | Spring 2017 | | Tied-in with learning circle activity/class | 3/17/17 |
| Parcel map data explorer (many layers) | We are designing a dynamic property map to fill the gap left by the death of the Pittsburgh Neighborhood and Community Information System map. See the "Card Sorting" tab for a list of features being contemplated for inclusion in the mapping tool. | | Regional Data Center | Spring 2017 | | We're integrating this feature with the property dashboard | 4/13/17 |
| City Finance map | At the user group meeting, the City I&P staff also gave a demonstration of their own parcel map. Users will be able to view parcel data and open a popup window to access parcel data. The tool is being developed for the Department of Finance, and will be publicly accessible. | | City of Pittsburgh | Spring, 2017 | | | 3/17/17 |

| Regional Data Center Activities | | | | |
|---|--|---|----------------------------|---------------------|
| Here are user group and other activities we are thinking about. We'll let you know when we are able to schedule these events. | | | | |
| We also encourage you to share your ideas below. | | | | |
| Activity | Description | Links | Notes/Status Update | Date updated |
| Learning Circle | The Carnegie Library has held a successful test of learning circles. In this model, participants come together and work with one another to learn a particular skill. We think this could be a great fit for data users to learn how to make maps, or those seeking to use property survey data among other things. See more at the link in the column to the right. | http://www.carnegielibrary.org/event/data-gathering-cleaning-visualization-four-week-learning-circle/2017-01-25/ | | |
| Road show | We'll open up our calendar to come and meet with you starting this spring. We'll send an email with more details once we're ready. Our visit will allow us to test tools as they're being developed, and help you with training, applied research, and technical assistance | | Kickoff in May, 2017 | 4/14/17 |
| Data day | We're planning another Data Day with the Carnegie Library (tentative date Oct. 21). Like Data Day last year, we'll ask data users to organize and lead 5 minute table activities in the main library. A great opportunity to share your work with others. | | | |
| Municipal outreach | Once we learn from our pilot publishing efforts with Baldwin Borough, we'll reach out to more potential municipal data publishers. | | | |
| Technical Assistance | We plan to work directly with City and County land banking efforts. In addition to making more data available, we also hope to help organizers incorporate data into their business processes. | | | |
| User testing party | Feedback is critical to our work. As we and our partners develop more tools for data users, we would like to test them with users. It would be nice to hold an event where many of us can come together and learn how to make our products even better. | | | |
| Training | We're planning to offer more Data 101 data literacy classes in 2017, and would like to know what other training you would like to attend | | | |
| Add your ideas here | | | | |

At the March 2017 meeting, we held a problem scoping activity where we asked attendees to list outcomes they'd like to see as a result of using data or technology

Here's a list of what was shared with us. Please add any other outcome ideas below the list generated at the meeting.

Outcomes for using data shared at the meeting

One-stop shop for data

link income with property data to identify home repair assistance candidates

View rental prices in real-time

Track lead levels in soil incl. before/after demolition

find areas suitable and available for urban agriculture, including (city) buildings for indoor agriculture

Make it easy for people to find available sideyard property to buy

Automated uploads of property transfers with owner names

Make maps to show board of commissioners

Connect property owners with support services, incentives, & grant programs - lead abatement, green infrastructure, home repair, etc.

Look at how property values change with completion of green infrastructure

Predictive model for code violations

Targeted identification of resident & community needs for vacant land transformation projects

Track redevelopment initiatives

Understand where potential tangled titles are

Find where speculators are holding vacant lots

Look at length of resident and monthly income to assess gentrification

minority owned businesses

Predictive model for code violations

Monetize value of sustainable investments (green infrastructure, etc.)

Raise awareness of the cost of blight

Connect property owners to supportive services and tax breaks

Optimize / increase efficiency of efforts to address blight.

Use data to understand how development impacts communities

Help improve residential stability for people vulnerable to displacement

Prioritize demolition and property redevelopment activity

Provide transparency for land banking efforts

Prevent mortgage foreclosures

Assist small businesses using data - make them more competitive

Improve community safety

Improve community health

Increase awareness of equity issues

Common application for housing - suggested by DHS - every property uses their own intake application

Property lookup featuring real-time housing info- available units, wait list, etc.

Add to the list below