**NPV Search**

**Data Types, Sources & Semantic Modifiers**

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# 

# Objects

keyword must be first word or second word after an article

job(s) : return jobs

property/properties : return properties

client(s) : return clients

appraiser(s) : return appraisers **(Admin Access Only)**

state(s) : return states if this is not a street

# Searchable Properties

When searching for objects, the following object properties are available as search filters.

**Job**

* Name
* Address
  + Street Address
  + Zipcode
  + State
  + City
  + distance from
* Job ID
  + current ID
  + legacy ID
  + client ID1/2
* Property Type
* Property Subtype
* Tenancy Status
* Date
  + around
  + exact day/month/year
  + starting
  + ending
  + after
  + before
* Associated Employees
  + Appraiser
* Client
  + client name
  + client manager name
* Job Status

**Property/Portfolio**

Same as Job but without Job specific filters (Job status, Associated Employees, Job ID)

Includes additional filter for (has X job / Y properties)

**Client**

**Appraiser (Admin Access Only)**

**State**

# Dates

**word markers**

day, week, month, year, decade, month names, month abbreviations

**estimate**

about, around, near, within [number] [time unit] of [date-ish value]

**before exclusive**

before, prior to, until, up to, by

**before inclusive**

end, ending, ending on, through, to,

**exact**

on

**after exclusive**

after, past, starting after, beginning after

**after inclusive**

start, starting, starting on, from, since, begin, beginning, beginning on

**range**

between, during, throughout, in, over, within, for

**relation**

of, today, yesterday, tomorrow,, ago

**custom**

quarter, quarters, quarterly, annual, annually, bi-annual

# 

# Numbers

Besides standard number words (zero, one, two three) and standard fraction words (half, third, quarter fifth) the following words have numerical meaning.

a, an, the, first, last, all, limit, only

not

above around beneath below before between beyond but by down except for from inside in near of off outside over past to under underneath up within

# Distances

All distances are converted to Miles with .00 precision. Detected distance units are currently M, m, mi, mile, miles, meter, meters, k, km, kms, kilometer, kilometers, yd, yds, yard, & yards.

Due to collisions with m/M as a monetary value m/M will only be used as a distance marker should the following tokens be ‘of [location]’

# Logic

&

Not

Is

And

Or

less (than)

greater (than)

equals (equal to)

# Street Suffixes & Secondary Units

Source: <https://www.usps.com/send/official-abbreviations.htm#C>

# Zipcodes, States & Counties

source: <http://www.zipinfo.com/products/z5ll/z5ll.htm>

The USPS API/dataset does not include the necessary county, longitude, and latitude information

The following list of prepositions and special words are used by the javascript search parser to help determine word types and user intentions.

Numbers

5 digits - zipcode

4 digits - year

commas, trialing K/M,$ - cash values

sq ft, acres - building / property size

ID format

date formats

floats

integers

Specific Terminology

cap

value

Status Words

engaged

assigned

complete

review

invoice

summary

Punctuation

,

.

+

-

=

&

\*

$

%

^

!

@

#

()

[]

{}

|

“”

:

;

<

Trigger Words

other

rest

remaining

limit

last

first

ID

all

where