

# API Improvement Proposal

## New Routes:

- 1) A new endpoint that extends `/api/v2/recipient/state/awards/<FIPS>/` to allow filtering by award type (e.g., grants, loans, contracts).
- 2) `/api/v2/recipient/state/` endpoint should have overall population value so that no need to call `/api/v2/recipient/state/{fips_code}` until we need more precise data

## Renaming Input Parameters:

- 1) `fiscal_year` to `year`
- 2) `TOPTIER_AGENCY_CODE` to `agency_code`
- 3) `FIPS` to `state_code`

## Output Data Format Adjustments:

- 1) All int data should be in int format (e.g., `agency_id` is int format but `toptier_code`, `active_fy` is in str format in `api/v2/references/toptier_agencies/`)
- 2) Some APIs have data inside results array some APIs are direct all should follow some output pattern

## Documentation Enhancements:

- 1) Documentation can include example requests and responses
- 2) Need to provide error handling and response codes in API