Digitizing the reports of the Swedish Electrification Committee

1 Purpose

This document is written to explain the important parts of the reports of the Swedish Electrification Committee to digitize.

1.1 Introduction

There are reports for 23 län and two summary reports in the folder on dropbox, and linked here on GitHub where you can download them.

The reports for each län on the electrification of rural areas contain:

- Introduction
- Description of current electrical installations
- Description of resources that remain to be tapped
- Analysis of the needs in the county and projection into the future
- Proposal for planned electrification

  - Sources of power
  - Local distribution
  - Costs of electrification

- Summary

At the end of the report is a map of the current distribution and a set of tables reporting the location and details of the power stations.

1.2 Completeness

Some of the reports contain less information than others. Specifically, Gotland has less information because it is less electrified. Älvsborg contains a great deal of information, as does Halland (157 pages!).
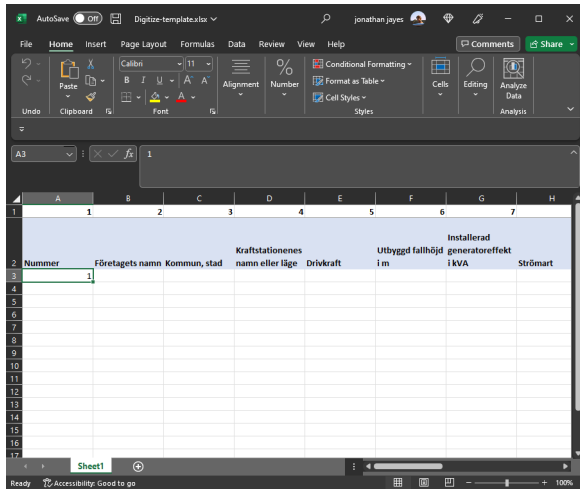
1.3 To digitize

It would be ideal to digitize the table specifying the generation capacity for each power station in the län. These tables are towards the end of each report.

An example is shown below for Gotland:

Tabell över befintliga elektriska anläggningar å Gotland med uppgifter om vissa tekniska data.

N:o enligt kartan	Företagets namn, ägare eller innehavare	Kraftstationens namn eller belägenhet	Driv-kraft	Installerad generatoreffekt i kVA	Strömart	Period-tal	Spännings-system volt
1	2	3	4	5	6	7	8
1	Visby stads elektricitetsverk	Visby kraftstation	d.	180	trefas	50	3000/380
			å.	500	likström		2 × 220
2	Visby cementfabrik	Visby cementfabrik	å.	1 000	trefas	25	—
3	A.-B. Vallviks cementfabrik	Vallvik	å.	285	»	50	380
4	Slite cement och kalk A.-B.	Slite	å.	1 000	»	50	500
5	E. C. Elvström	Roma	—	—	likström	—	—
6	H. Andersson	»	v. och d.	40	trefas	50	3000/380
7	Klinte belysningsförening	Klintehamns kraftstation	—	—	likström	—	220
8	Bröderna Edmark	Ala	—	—	»	—	110
9	Ljugarns belysningsbolag	Ardre	å.	65	»	—	2 × 220
10	V. Larsson	Garde	o.	3	»	—	220
11	N. Bergvall och J. Broström	Etelhem	—	—	»	—	2 × 220
12	J. Johansson	Lye	—	2	»	—	220
13	A.-B. Hemse elektricitetsverk	Hemse kraftstation	—	36	»	—	2 × 220
14	Föreningen Havdhems elektricitetsverk	Havdhem	å.	11	»	—	220
15	K. G. Hoffman och K. Stenström	Burgsvik	—	—	»	—	2 × 220

There is a template in excel for digitizing these tables available for download here

It looks like this:

AutoSave Off | Digitize-template.xlsx ∨ | jonathan jayes | Comments | Share

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A3 | fx | 1

	A	B	C	D	E	F	G	H
1	1	2	3	4	5	6	7	
2	Nummer	Företagets namn	Kommun, stad	Kraftstationenes namn eller läge	Drivkraft	Utbyggd fallhöjd i m	Installerad generatoreffekt i kVA	Strömart
3	1							

Sheet1

Ready   Accessibility: Good to go

1.4 Maps

Here is an example of a ma containing the generation areas for each power station, as numbered on the tables.

Potentially we could come back to these and extract the boundaries for each generation area.

It does not seem necessary for the moment.

KARTA ÖVER BEFINTLIGA OCH PROJEKTERADE

ELEKTRISKA ANLÄGGNINGAR

INOM GOTTLANDS LÄN
SAMMANSTÄLLD AV

KUNGL. ELEKTRIFIERINGSKOMMITTÉN
år 1925

TECKENFÖRKLARING: