

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.

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.

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	Drivkraft	Installerad generator-effekt i kVA	Strömart	Period-tal	Spän-nings-system volt
1	2	3	4	5	6	7	8
1	Visby stads elektricitetsverk	Visby kraftstation	d.	180	trefas	50	3000/380
2	Visby cementfabrik	Visby cementfabrik	å.	500	likström	25	2 x 220
3	A.-B. Valviks cementfabrik	Valvik	å.	285	å	50	380
4	Slite cement och kalk A.-B.	Slite	å.	1 000	å	50	500
5	E. C. Elvström	Roma	—	—	likström	—	—
6	H. Andersson	å	v. och d.	40	trefas	50	3000/380
7	Klinto belysnings-förening	Klinto hamns kraftstation	—	—	likström	—	220
8	Bröderna Edmark	Åla	—	—	å	—	110
9	Ljögarns belysningsbolag	Årdre	å.	65	å	—	2 x 220
10	V. Larsson	Garde	o.	3	å	—	220
11	N. Bergvall och J. Broström	Etelhem	—	—	å	—	2 x 220
12	J. Johansson	Lye	—	2	å	—	220
13	A.-B. Hemse elektricitetsverk	Hemse kraftstation	—	36	å	—	2 x 220
14	Föreningen Håvdhems elektricitetsverk	Håvdhem	å.	11	å	—	220
15	K. G. Hoffman och K. Stenström	Burgsvik	—	—	å	—	2 x 220

There is a template in excel for digitizing these tables available for download [here](#)

It looks like this:

Digitize-template.xlsx

Nummer	Företagets namn	Kommun, stad	Kraftstationens namn eller läge	Drivkraft	Utbyggd fallhöjd i m	Installerad generatoreffekt i kVA	Strömart
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							

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.

